

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

SUMMARY RECORD OF 34th MEETING OF THE RECONSTITUTED COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS CONSTITUTED UNDER EIA NOTIFICATION, 2006.

The 34th 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 **May 27-29, 2015**. The list of participants is annexed.

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

Item No. 1:

(1). Circulation of the Minutes of the 33rd EAC Meeting

The Minutes of the 33rd Meeting of EAC held on **May 15, 2015** were circulated.

Item No. (1.1):

The Committee discussed on the issues about the number of proposals to be appraised in the EAC meeting and noted that the Ministry has placed more number of projects which are difficult to appraise. **The Committee after detailed deliberation decided that Member Secretary may prepare the Agenda in such a manner that there shall not be more than 10 EC Proposals in a day to appraise the EC Proposal adequately.**

Also they have observed that the papers relating to the projects are being submitted by the project proponents in the last minute and it becomes difficult to scrutinize the proposals. It was informed that if the information on the project is received late they will defer the proposal and will not scrutinize.

Day 1: 27thMay, 2015 (Wednesday)

Item No. 2:

Consideration of Environmental Clearance Proposals

**(2.1). Quartz and Feldspar Mine of M/s Shri Pradeep Goyal, located at Village-Paner, Tehsil-Kishangarh, District-Ajmer, Rajasthan (188.01125ha)-
Consideration of EC**

The Committee **deferred** the proposal as the PP has not attended the meeting.

(2.2). Sand Mining Project in Luni River of with proposed production capacity of 25.2 Lakh TPA (ROM) by Shri Raman Sethi, located at Revenue Villages of Tehsil Pachpadra, District Barmer, Rajasthan (3056.6181ha)–(Consultant: Enviro Concept (I) Pvt. Ltd)-Consideration of EC

The Committee **deferred** the proposal as the PP vide email dated 26.05.2015 requested to defer the proposal indicating their inability to attend the meeting.

(2.3). Mining of Sand (Minor Mineral) in river Bearch with production capacity of 3.92 Lakh TPA (ROM) by M/s Ashu Singh Bhati, located at Revenue village(s) Suwaniya, Saran and Salariya of Tehsil-Gangrar, District-Chittorgarh, Rajasthan (77.50ha)–(Consultant: Enviro Concept (I) Pvt. Ltd)-Consideration of EC

The proposal of Shri Ashu Singh Bhati is for Mining of Sand (Minor Mineral) in river Bearch with production capacity of 3.92 Lakh TPA (ROM). The mine is located at Revenue village(s)-Suwaniya, Saran and Salariya of Tehsil-Gangrar, District-Chittorgarh, Rajasthan in the mine lease area of 77.50ha. The geographical extents of mining lease area are Latitude: 24°59'17.3"N to 25°03'39.6" N and Longitude:74°41'02" E to 74°44'30.9" E. The Project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee (Non- Coal Mining) in its meeting held during 21st -23th August, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA. TOR has been issued by MOEFCC, vide letter no. J-11015/214/2013-IA.II (M), dated 14.10.2013. The Proponent submitted the EIA/EMP Report online to the Ministry for seeking environmental clearance after conducting Public Hearing.

Letter of Intent (LOI) has been issued by Department of Mines and Geology vide letter no. SME/Bhil-Cir/Minor/Sand/Chittor/2012/2083, dated 20.12.2012. The Mining Plan and Progressive Mine Closure Plan has been approved by the Superintending Mining Engineer, Dept. of Mines & Geology, Bhilwara Circle- Bhilwara, Rajasthan, vide letter no. SME/Bhil-Cir/CC-2/Bajari/Chittor/2012/4931, dated 14.11.2013.

The proposed project is an open-cast semi-mechanized, confined to excavation of sand from the lease area, consists of 77.50 ha in a stretch of 9.5 km. It is proposed to work in 03 blocks namely A, B, C. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River bed whichever is reached earlier. The total mineable reserves are estimated 25.69 Lakhs Tonnes and anticipated production is only 3.92 Lakhs tonnes per annum. Proponent informed that 7.5 m offset left in both side of river bank and 45.0 m radius will be restricted for the any permanent structures as a safety zone. 7.5 m offset left in the banks of lease boundary to protect banks from collapse/scouring. The lease area has flat topography with 401 to 391 MSL elevation of

the leasehold area. The total water requirement is 6.0 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply.

Baseline studies were carried out during October-2013 to December-2013. All parameters for air (PM₁₀, PM_{2.5}, SO₂, NO₂ & CO) & Mineralogical composition for the PM₁₀ for free silica, water, soil & noise quality were within the prescribed limits. Project Proponent reported that there is no National Park, Tiger/Elephant Corridors, Migratory Route for birds etc found within 10 km periphery of the lease area. However, one Wildlife Sanctuary (Bassi Wildlife Sanctuary) found within 10 km of study area. There are one protected forest and eight reserved forest exist within the study area. There are some threatened plant species like *Ailanthus excelsa* (Ardu), *Cordiadichotoma* (Lasora), *Acacai catechu* (Kattha), *Boswelliasarrata* (Salar), *Abrusprecatorius* (Chirami), *Nyctenthesarboritristis* (Haarsingar) found within the study area. Two *Schedule-I* fauna species namely Indian Peafowl (*PavoCristatus*), Chinkara (*Gazellabennettii*) were found in study area and their conservation plan has been prepared. A budgetary provision for the conservation of Scheduled species will be Rs 2,00,000 per year. State Government of Rajasthan, DMG, Chittorgarh, vide letter no. ME/Chittor/Bajari/M.L.-05/2012/2014-15/92, dated 06.08.2014 has confirmed that the lease does not fall in Aravali range.

Public Hearing was conducted on 16.09.2014, in the premises of Rajiv Gandhi Sewa Kendra, Village: Suwaniya, Tehsil: Gangrar District: Chittorgarh. The Public Hearing was presided over by Shri Gyan Mal Khatik, Additional Chief Executive Officer, Zila Parishad, Chittorgarh. The representative from the Rajasthan State Pollution Control Board was also present. The issues raised during the Public Hearing were also considered and discussed during the meeting.

Total cost of the project is Rs. 50 Lakhs. The Project Proponent has earmarked Rs. 13.7 Lakhs per year towards cost for Environmental Protection Measures. The Project Proponent has earmarked Rs. 5.0 Lakhs per year towards CSR activities. A sum of 50,000 per year earmarked for the occupational health and Safety of the workers.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 3.92 Lakhs TPA (ROM) in the MLA 77.50ha.

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.4). Mining of Mineral Ordinary Sand with proposed production capacity of 7.5 Lakh TPA (ROM) by M/s Indrajeet Singh Jhala, located at Revenue village(s) of Tehsil – Jhalarapatan & Ramganjmandi, Districts- Jhalawar and Kota, Rajasthan (1695.06ha) (Consultant: Udaipur Mintech Pvt. Ltd.)- Consideration of EC

The proposal of M/s Indrajeet Singh Jhala, is for mining of River Sand, (Minor Mineral) with proposed production capacity of 7,50,000 TPA (ROM). The mine lease area is located at village (s) - Bambori, Bavrikheri, Aroliya, Biriya kheri khurd, Gindora, Jhalarapatan, Bakshpura, Bagdar, Mundalya khera, Chand loi, Sagoriya, Rup pura, Kanwara, Kanwari, Samiya, Gadari, Dhavli, Saranga khera, Narli, Binda, Jatamali, bhumari, Semli bhawani, Chanvali, Gurariya, Asondiya, Khijarpur, Bhaumara, Soyat kalan, Gugal heri, Gunjari, Achraavan, Matwasa, Gadarwara nurji, Barana, Ratanpura, Mori, Kans kheri, Kherkhera & Barodiya Tehsil: Jhalarapatan of District: Jhalawar and Tehsil-Ramganjmandi of district Kota, State, Rajasthan in the mine lease area of 1695.06 ha. The mine lease area lies on the River bed of Badi Kali Sindh, Ahu, Chandra Bhaga, Rewa Nadi & Their Connected Flow Nallahs. The Latitudes and Longitudes of the mine lease area lies between 24°41'24.96"N to 24°12'49.56"N and 75°59'34.80"E to 76°14'45.80"E on Survey of India Topo sheet numbers 45P/14,15, 54 D/2,3,4,6,7,8. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its Meeting held during 30thOctober–1stNovember, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF

vide letter No. J-11015/328/2013-IA.II (M), dated 22nd November, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1695.06 ha which is River bed of Badi Kali Sindh, Ahu, Chandra Bhaga, Rewa Nadi & their Connected Flow Nallahs. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand, over an area of 1695.06ha has been granted by the Government of Rajasthan, vide letter no.P.9(2) Khan/group-2/2013, Jaipur dated 08.03.2013 for the period of 5 years. The Mining Plan has been approved by Suptdg, Mining Engineer, Kota vide letter no. SME/Kota/CC-I/MP/13/11745 dated 13.12.2013.

Mining is by manual opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Channel whichever is reached earlier. About 130.0 ha area will be used for excavation, 0.70 ha for infrastructure and 37.5 ha for the green belt development. The site elevation is 295mRL – 338mRL. The Ground water depth is 15 to 20m bgl. The total water requirement is 15 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by dug wells through water tankers & river water of applied area., no ground water interception during the mining operations is envisaged. Mining will be done leaving a safety distance from the banks. Mining will be done only during day time and completely stopped in monsoon season. No mining will be done in the zone of 100m on either side of the structure/bridge. 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 through road. The Traffic Analysis survey has been made & it reveals that 95 no. of trucks will be deployed per day (30 tonnes capacity each) which increase 190 PCUs per day and the level of service (LOS) remains up to "A" & "B". Roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at all the sensitive places.

No National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). There is one Protected Forest and two Reserved Forest. The baseline data was generated for the period during Dec. 2013 to Feb. 2014. All the parameters for water and air quality were within permissible limits. There is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

It is noted that the lease area is located at Two Districts namely Jhalawar and Kota and accordingly two Public Hearings were held at two places and chaired by two District Authorities. Public Hearing for the proposed Project was held on

09.06.2014 at 03.00 pm at premises of subsection office, Ramganj Mandi, District Kota and presided over by Smt. Kalpana Agarwal, ADC, Kota. The other Public Hearing for the proposed Project was held on 11.06.2014 at 02.00 pm at Jhalarapatan, District Jhalawar, Rajasthan and presided over by Shri Khajan Singh, ADC, Jhalawar. The representative from the Rajasthan State Pollution Control Board was also present. The issues raised during the Public Hearings were also considered and discussed during the meeting. Action Plan with budgetary provisions has been made.

The cost of the Project is Rs. 85.0 Lakhs. The Proponent has earmarked Rs 50.0 Lakhs towards Environmental Protection Measures and Rs. 10.0 Lakhs per annum towards recurring expenses. Rs. 10.0 Lakhs have been earmarked towards CSR activities for next five years of mining operation. In accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~3,49,915 Tonnes of Bajri has been made during Dec. 2013 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Ordinary Sand Bajri with proposed production capacity of 7.5 Lakhs TPA (ROM) in the MLA 1695.06ha.

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.5). Renewal of mine lease and enhancement of production from 0.033 million TPA to 0.1 million TPA (ROM) of limestone (Minor Mineral) by M/s Habibur Rehman, located near village-Borunda, Tehsil – Bilara, District–Jodhpur Rajasthan (100.0 ha)-(Consultant: Enkay Enviro Services Pvt. Ltd.)-Reconsideration of EC

The proposal is of renewal of mine lease and enhancement of production from 0.033 million TPA to 0.1 million TPA of limestone (Minor Mineral). The mine lease is located near village - Borunda, Tehsil – Bilara, District –Jodhpur Rajasthan.

The proposal has been earlier considered by the EAC held during February 24-25, 2014 wherein Committee noted that it is a **violation case** as the PP has mined out limestone without prior environmental clearance since 2001-02 to 2012-13. The mine is closed since 31.12.2013. The Committee desired that the actions on violation may be taken as per existing Rules. Further, the EAC had also sought the following information:-

- (i) PP needs to monitor the Ambient Air Quality data for two months i.e. April -May 2014;
- (ii) The Committee noted that the Latitudes and Longitudes are wrongly reported in the documents such as Mine Plan & EIA/EMP Report and PP needs to verify and submit the correct Latitudes and Longitudes;
- (iii) Report on Compliance of consents of Air and water of Rajasthan PCB needs to be submitted;
- (iv) Details of R&R with regard to TOR condition no. 10 to be submitted;
- (v) Revised Questionnaire needs to be submitted w.r.t. S. No. 4 and R&R etc.;
- (vi) Details of plantation proposed and photograph of green belt development; and
- (vii) Details of action plan on the issues raised during PH with budgetary provisions.

Based on the information submitted by PP, the proposal is considered in this meeting. The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance **subject to actions on violation**.

The Committee also **recommended additional specific conditions** viz. (i) 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; (ii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (iv) 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 centres;(v) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vi) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(vii) Washing of all transport vehicle should be done inside the mining lease.

(2.6). River Sand Mining with production capacity of 15 Lakhs TPA (ROM) Sand by M/s Pankaj Singh Jadaun, located near village(s)-Bilavatiya Khera, Hingoniya, Manpura, Lallai, Hingtada, Sohanpura, Goverdhanpura, Someliya, Sarwad, Jadana, Khiriya, Sanodiya, Jawala, Chandama, Piproli, Tantoti, Gudliya, Motipura, Tehsil-Sarwar, District-Ajmer, Rajasthan (433.93ha)- (Consultant: M/s PerfactEnviro Solutions Pvt. Ltd.)-Consideration of EC

The proposal of M/s Pankaj Singh Jadaun is for mining of River Sand (Minor Mineral) with proposed production capacity of 15 Lakh TPA (ROM). The mine lease area is located at village(s) Bilavatiya Khera, Hingoniya, Manpura, Lallai, Hingtada, Sohanpura, Goverdhanpura, Someliya, Sarwad, Jadana, Khiriya, Sanodiya, Jawala, Chandama, Piproli, Tantoti, Gudliya, Motipura, Tehsil-Sarwar, District-Ajmer, Rajasthan in the mine lease area of 433.93ha. The mine lease area lies on Dai and Nearan River bed. The Latitudes and Longitudes of the mine lease area lies between 26° 11'27.87"N to 26°02'53.38"N and 74° 48'33.92"E to 75°10'19.04"E on Survey of India toposheet numbers 45 J/16 & 45N/4. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 10th Meeting held during 21st – 23rd August, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/225/2013-1A.II (M), dated 15th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 433.93ha which is Dai River & Nearan River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand over an area of 433.93 ha has been granted by the Govt. of Rajasthan, vide letter No P-7(4)/Khan/Group-2/2013 dated 13.02.2013 for the period of 5 year. The Mining Plan is approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no.3516/Mine Plan, dated 28.06.2013.

Mining is by Semi-Mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 424.43 ha area will be used for excavation, and 3.75 ha for the green belt development. The site elevation is 380 mRL to 334 mRL (Dai River) and 392 mRL to 378 mRL (Nearan River) AMSL. The Ground water depth is 13 m bgl in pre-monsoon season and 8 m bgl in post-monsoon season. The total water requirement is 12 KLD including water demand for domestic purpose, dust suppression and plantation development 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.

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 stopped 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 plan.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 272 per day (20 tonnes capacity each) which increase 2448 PCUs per day (to and fro) and the level of service (LOS) remains upto "A" & "B". 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 falls within the study area (10 km radius of the mine boundary). There are three protected and one reserve forest. State government of Rajasthan vide letter No. 1322 dated 15.01.2014 has confirmed that the lease does not fall in Aravali Range.

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. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan 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 29.05.2014 at 03.00 pm at Govt. Primary School, Village – Hingtada, Tehsil – Sarwar, District – Ajmer. The Public hearing was presided over by Mr. Yashoda Nandan Srivastava, Additional District Collector II. The representatives from the Rajasthan State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs. 5.0 Crores. The Proponent has earmarked Rs. 2.5 Lakhs towards Environmental Protection Measures and Rs. 18.0 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 23.50 lakh have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~ 30167 Tons of Bajri has been made during Jan 2014 to August 2014.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 15.0 Lakhs TPA (ROM) in the MLA 433.93ha.

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier;

(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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.7).River Sand Mining with proposed production capacity of 11.2 Lakhs TPA (ROM) Sand by M/s Rahul Panwar, located near 17 revenue villages viz. Sitapura, Tundara, Doriya, Akhatri, Parli and others., Tehsil-Malpura, District-Tonk (Rajasthan) (316.575 ha.)-(Consultant: EQMS INDIA PVT. LTD. INDIA)-Consideration of EC

The proposal of M/s Rahul Panwar is for mining of Bajri (Minor Mineral) at 17 revenue village(s) of Tehsil-Malpura, District-Tonk, Rajasthan with proposed production capacity of 11.2 Lakhs TPA (ROM) of Bajri in the mine lease area of 316.575ha. The mine lease area lies in Mashi and Sohadara river (s) bed. The Latitudes and Longitudes of the mine lease area lies between 26°11'55.3" to 26°33'37.00"N and 75°11'46.41" to 75°35'31.5"E on Survey of India toposheet number 45N/2, 45N/3, 45N/6, 45N/7, 45N/8, 45N/11 and 45N/12. The project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/258/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 316.575 ha which is Gair mumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by Directorate of Mines and Geology, Rajasthan, DIR/P.2(A.10) Tonk/ Bajri/ 2012/ 2970 dated 19.12.2013 in favor of M/s Rahul Panwar for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved by SME Jaipur vide SME/JP/MP/479/13 dated 27-8-2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The Project Proponent informed that 133.33 ha area will be used for excavation, 63.0 ha for road, 44.5 ha for Green belt development and 75.745 ha area will be the others (undisturbed area). The total water requirement is 25 KLD including water demand for domestic purpose (4 KLD), dust suppression (16 KLD) and green belt development (5 KLD) which shall be met by tanker supply from the private agency.

The project proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine periphery). The lease area is neither covered under critically polluted areas, as notified by MoEF&CC, nor does it attract Aravalli restriction. The baseline study for different environmental attributes was carried out during October-December, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 17.07.2014 at Government Senior Secondary School, Village Parli, Tehsil Malpura, District-Tonk. The Public Hearing was presided over by Mr. P.S. Naga, ADM, Tonk. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 lakhs. The overall cost of environment management plan shall be Rs. 2.04 lakhs (capital cost) and Rs. 17.82 lakhs (annual recurring cost). Proponent informed that Rs. 4 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 5 lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~61305 MT of Bajri has been achieved after grant of temporary working permission for mining granted Directorate of Mines and Geology, Rajasthan, DIR/ P.2 (A.10) Tonk/ Bajri/ 2012/ 2970 dated 19.12.2013.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 11.2 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.8).River Sand Mining with production capacity of 15.0 Lakh TPA (ROM) by M/s Pankaj Singh Jadaun, located Revenue villages- Hanutiya, Rampura, Loharwada, Chat, Tehsil-Nasirabad & District-Ajmer, Rajasthan (120.312 ha)- (Consultant: M/s PerfactEnviro Solutions Pvt. Ltd.)- Consideration of EC

The proposal of M/s Pankaj Singh Jadaun is for mining of River Sand (Minor Mineral) with proposed production capacity of 15.0 Lakh TPA (ROM). The mine lease area is located at village Hanutiya, Rampura, Loharwara & Chat, Tehsil-Nasirabad, District-Ajmer, Rajasthan in the mine lease area of 120.312ha. The mine lease area lies on Dai River bed. The Latitudes and Longitudes of the mine lease area lies between 26°11'27.90"N to 26°15'38.55"N and 74°43'59.09"E to 74°48'34.27"E on Survey of India toposheet numbers 45J/11, 45 J/12, 45 J/16. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its Meeting held during 21st – 23rd August, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter J-11015/221/2013-IA.II (M), dated 14th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 120.312 ha which is Dai River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand over an area of 120.312 ha has been granted by the Govt. of Rajasthan, vide letter No ME/AJ/R.C.C./2012-13/998 dated 21.01.2013 for the period of 5 year. The Mining Plan is approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no.3521/Mine Plan, dated 28.06.2013.

Mining is by Semi-Mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one

meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 100.91 ha area will be used for excavation, and 2.5 ha for the green belt development. The site elevation is 417 mRL to 391 mRL (Dai River) AMSL. The Ground water depth is 13 m bgl in pre-monsoon season and 8 m bgl in post-monsoon season. 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, 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.

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. No ponding will take place. Mining will be done only during day time and completely stopped 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 plan.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 188 per day (20 tonnes capacity each) which increase 1692 PCUs per day (to and fro) and the level of service (LOS) remains upto "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 falls within the study area (10 km radius of the mine boundary) also there is no Protected and reserved forest falls within the study area. State Govt. of Rajasthan vide letter no 687 dated 20.03.2015 has confirmed that the lease does not fall in Aravali Range.

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. 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 River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 28.05.2014 at 3:30 PM at Govt. Secondary School, Village - Loharwara, Tehsil - Nasirabad, District - Ajmer, Rajasthan. The Public hearing was presided over by Shri Yashoda Nandan Srivastava, Additional District Collector, Ajmer and attended by Regional officers of RSPCB, Kishangarh. 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. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 2 Crores. The Proponent has earmarked Rs. 2.16 Lakhs towards Environmental Protection Measures and Rs. 20.50 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 23.50 lakh have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013 (In Civil Appeal No. 9703-9704 of 2013) production of ~ 50214 Tons of Bajri has been made during December 2013 to March 2014.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 15.0 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.9). Mining of Sand with proposed production capacity of 1.40 Lakh TPA (ROM) by M/s Rajasthan Fort & Palace Pvt. Ltd., located at Revenue villages Surpur, Surpuri, Rampuriya, Undiyala, Hathiana, Ramthali, Hapakheri, Uchnarkhurd, Gumanpura, Roliya, Jawanpura, Umedpura, Karukada, Umand, Hingwania, Akola, Gundali, Joira, Murla, Kanwarpura and Chokri of Tehsil: Kapasan, District: Chittorgarh Rajasthan (335.03ha)-(Consultant: Enviro Concept (I) Pvt. Ltd)-Consideration of EC

The proposal of M/s Rajasthan Fort & Palace Pvt. Ltd. is for Mining of Sand with proposed production capacity of 1.40 Lakh TPA (ROM). The mine is located at Revenue villages Surpur, Surpuri, Rampuriya, Undiyala, Hathiana, Ramthali, Hapakheri, Uchnarkhurd, Gumanpura, Roliya, Jawanpura, Umedpura, Karukada, Umand, Hingwania, Akola, Gundali, Joira, Murla, Kanwarpura and Chokri of Tehsil: Kapasan, District: Chittorgarh Rajasthan in the mining lease area of 335.03ha. The geographical extents of mining lease area are Latitude: 24°44'13.1" N to 24°47'29.06" N and Longitude: 74°07'11.3" E to 74°26'22.4" E. The Project is located in seismic zone-II.

Letter of Intent (LOI) has been issued by Department of Mines and Geology, vide letter dated 28.01.2013. The Mining plan and Progressive Mine Closure Plan has been approved by office of the Superintending Mining Engineer, Dept. of Mines & Geology, Bhilwara Circle- Bhilawara (Raj.) in favor of M/s. Rajasthan Fort Palace Pvt. Ltd. vide letter no. SME/Bhil-Cir/CC-2/Bajari/Chittor/2012/4924, dated 14.11.2013.

The proposal was considered by the Expert Appraisal Committee (Non- Coal Mining) in its 10th meeting held during 21st -23th August, 2013 to determine the Terms of reference (TOR) for undertaking detailed EIA. TOR has been issued by MOEF&CC, vide letter No. J-11015/215/2013-IA.II (M) dated 14.10.2013.

The proposed project is an open-cast semi-mechanized, confined to excavation of sand from the lease area, consists of 335.03 ha in a stretch of 35.0 km. It is proposed to work in 05 blocks namely A, B, C, D & E. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. The total mineable reserves are estimated 109.39 Lakhs Tonnes and anticipated production is only 7.0 Lakhs tonnes during entire 5 Year. PP reported that 7.5 meters offset left in both side of river bank and 45.0 m radius will be restricted for the any permanent structures as a safety zone. 7.5 m offset left in the banks of lease boundary to protect banks from collapse/scouring. The lease area has flat topography with 457 to 419 MSL elevation of the leasehold area. The total water requirement is 6 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply.

Baseline studies were carried out during October-2013 to December-2013. All parameters for air (PM₁₀, PM_{2.5}, SO₂, NO₂& CO) & Mineralogical composition for the

PM₁₀ for free silica, water, soil & noise quality were within the prescribed limits. PP reported that there is no National Park, Wildlife Sanctuary, Tiger/Elephant Corridors, Migratory route for Birds etc. found within 10 km periphery of the lease area. There are 9 reserved forest exist within the study area. There are three threatened species of flora (Ailanthus excels, Withania Somnifera, Cordiadichotoma, Tecomellundulata) found within the study area. Two Schedule-I fauna species namely Indian Peafowl (Pavo Cristatus) and Panther (Panthera pardus) were found in study area & their conservation plan has been prepared. A budgetary provision for the conservation of Schedule - Ist species will be Rs 3,20,000 per year. It is proposed to plant 4000 no's of native species along with some fruits bearing and medicinal trees in 10.0 ha area during the five year. State Government of Rajasthan, DMG, Chittorgarh vide letter no. Kha/Chittor/Bajari/M.L.No4/2012/2014-15/ 91, dated 06.08.2014 has confirmed that the lease does not fall in Aravali range.

Public Hearing was conducted on 10-09-2014 in the premises of Rajiv Gandhi Sewa Kendra, Village: Akola, Tehsil: Kapasan, District: Chittorgarh. The PH is presided over by Shri Harji Lal Atal, Additional District Collector, Chittorgarh. The representatives from the Rajasthan State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting

Total cost of the project is Rs. 60 Lakhs. The Project Proponent has earmarked Rs. 13.00 Lakh per year towards cost for Environmental Protection Measures. The PP has earmarked Rs. 4.60 Lakh per year towards CSR activities for next five years of mining operation. A sum of Rs. 55,000 per year is earmarked for the occupational health & Safety of the workers.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 1.4 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.10). River Sand Mining with production capacity of 28.0 Lakhs TPA (ROM) sand by M/s Shekhawat Associates, located near 20 revenue Villages viz. Pasrotiya, Kuredi, Kureda, Vilaytipura, Mundiya and others., Tehsil – Piplu, District-Tonk (Rajasthan) (889.925 ha)-(Consultant: EQMS INDIA PVT. LTD. INDIA)- Consideration of EC

The proposal of M/s Shekhawat Associates is for mining of Bajri (Minor Mineral) at 20 revenue village(s) of Tehsil-Piplu, District-Tonk, Rajasthan with proposed production capacity of 28.0 Lakhs TPA (ROM) of Bajri in the mine lease area of 889.925ha. The mine lease area lies in Mashi and Sohadara river(s) bed. The Latitudes and Longitudes of the mine lease area lies between 26°12'00.00" to 26°29'00.00" N and 75°35'31.5" to 75° 45'57.2" E on Survey of India toposheet number 45N/11, 45N/12, 45N/15 and 45N/16. As per Seismic Zoning Map of India IS: 1893(Part-1):2002, the project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/256/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 889.925 ha which is Gair mumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no P.7 (5) Khan/Gr. – 2/2013, Jaipur dated, 15th February 2013 in favour of M/s Shekhawat Associates for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved by SME Jaipur vide SME/JP/MP/409/13 dated 27-8-2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The project proponent informed that 333.35 ha area

will be used for excavation, 11.0 ha for road, 110.0 ha for Green belt development and 435.575 ha area will be the others (undisturbed area).

The project proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine periphery). The lease area is neither covered under critically polluted areas, as notified by MoEF&CC, nor does it attract Aravalli restriction. The total water requirement is 39 KLD including water demand for domestic purpose (4 KLD), dust suppression (25 KLD) and green belt development (10 KLD) which shall be met by tanker supply from the private agency.

The baseline study for different environmental attributes was carried out during October-December, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 15.07.2014 at Government Senior Secondary School, Piplu, Tehsil Piplu, District Tonk. The Public Hearing was presided over by Ms. Tina Kumar, District Magistrate, Tonk. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.04 Lakhs (capital cost) and Rs. 30.95 Lakhs (annual recurring cost). Proponent informed that Rs. 7 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 5 Lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~430073 MT of Bajri has been achieved after grant of temporary working permission for mining granted Joint Secretary, Government of Rajasthan, Khan(Group-2) Department, Rajasthan vide its letter no. P.7(5)Khan/Group-2/2013.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 28.0 Lakhs TPA (ROM) **subject to submission of Evacuation Route for transportation of sand and replenishment study of Sand.**

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.11). River Sand Mining with Production Capacity of 22.4 Lakh TPA Sand by M/s Chandak Associates, located near 85 revenue villages viz. Pali II, Achiya, Akrawas Purohitan, Akeli, Baderwas and others., Tehsil-Pali, District-Pali (Rajasthan) (3859.00ha.) (Consultant:-EQMS INDIA PVT. LTD. INDIA)- Consideration of EC

The proposal of M/s Chandak Associates is for mining of Bajri (Minor Mineral) at 85 revenue village(s) of Tehsil-Pali, District-Pali, Rajasthan with proposed production capacity of 22.4 Lakh TPA (ROM) of Bajri in the mine lease area of 3859.0 ha. The mine lease area lies in Bandi, Khari, Somesar, Sukri, Ungti, Mithri and Khardi rivers River bed. The Latitudes and Longitudes of the mine lease area lies between 25°17'00.00"N to 25°53'00.00"N and 72°58'00.00"E to 73°36'00.00" E on Survey of India toposheet number 45 G/2, 45 G/5, 45 G/6, 45G/7, 45G/10. As per Seismic Zoning Map of India IS: 1893(Part-1):2002, the project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/254/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 3859.0 ha which is Gair mumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no P.8(6)Khan/Group-2/2013, dated 19.12.2013 in favour of M/s Chandak Associates for river-bed mining of minor mineral Sand (Bajri). The Mine Plan was approved vide SME/JO/CC/SOJAT/MINOR/BAJRI/ML No. 544/2012 dated 04.12.13.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The Project Proponent informed that 266.67ha area will be used for excavation, 89.1 ha for road, 88.0 ha for Green belt development and 3415.23 ha area will be the others (undisturbed area).

The Project Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine periphery). The mining activities in riverbed shall *per-se* shall not generate any effluent which shall be discharged into the river. The total water requirement is 39 KLD including water demand for domestic purpose (4 KLD), dust suppression (25 KLD) and green belt development (10 KLD) which shall be met by tanker supply from the private agency.

The baseline study for different environmental attributes was carried out during October-December, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 12.09.2014 at Office of the Sub-Divisional Office, Pali, District Pali. The Public Hearing was presided over by Mr. Brajesh Kumar Chandoliya, ADM, Pali. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.18 Lakhs (capital cost) and Rs. 25.80 Lakhs (annual recurring cost). Proponent informed that Rs. 4 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 Lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~405706 MT of Bajri has been achieved after grant of temporary working permission for mining granted by Joint Secretary, Government of Rajasthan, Khan(Group-2) Department, Rajasthan vide its letter no. P.8(6)Khan/Group-2/2013, dated 19.12.2013.

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

- (i) TOR compliance is not adequate and needs to be resubmitted;
- (ii) Detailed traffic study needs to be conducted for evacuation Route for transportation of sand;
- (iii) Replenishment study of Sand needs to be conducted;
- (iv) Cumulative impact of other mines located in the vicinity of the lease area needs to be submitted;
- (v) Revised action plan on the issues raised during PH needs to be submitted; and
- (vi) Certificate from the SPCB/CPCB that whether the mine is located in critically polluted area or not

(2.12). River Sand Mining with Production Capacity of 22.4 Lakh TPA (ROM) Sand by M/s Surya Associates, located near 60 revenue villages viz. Heerawas, Dujanawa, SonaiLaca, Sirana, Singariand others., Tehsil-Rohat, District-Pali (Rajasthan) (3789.0 ha) (Consultant: EQMS INDIA PVT. LTD. INDIA)- Consideration of EC

The proposal of M/s Surya Associates is for mining of Bajri (Minor Mineral) at 60 revenue village(s) of Tehsil-Rohat, District-Pali, Rajasthan with proposed production capacity of 22.4 Lakh TPA (ROM) of Bajri in the mine lease area of 3789.0 ha. The mine lease area lies in Bandi, Sukri, Punphariya, Guhia Bala and Rediya River bed. The Latitudes and Longitudes of the mine lease area lies between 25°33'00.00"N to 26°07'00.00"N and 72°45'00.00"E to 73°24'00.00" E on Survey of India toposheet number 45 G/2, 45 G/5, 45 G/6, 45G/7 and 45G/10. The Project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/257/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 3789.0 ha which is Gair mumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no P.8(1)Khan/Group-2/2013 dated 19.12.2013 in favor of M/s Surya Associates for river-bed mining of minor mineral Sand (Bajri). The Mine Plan was approved by State Govt., vide SME/JO/CC/SOJAT/MINOR/BAJRI/ML No. 545/2012, dated 04.12.2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The Project Proponent informed that 266.65ha area will be used for excavation, 39.60 ha for road, 88.0 ha for Green belt development and 3394.75 ha area will the others (undisturbed area).

The Project Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine periphery). The total water requirement is 39 KLD including water demand for domestic purpose (4 KLD), dust suppression (25 KLD) and green belt development (10 KLD) which shall be met by tanker supply from the private agency.

The baseline study for different environmental attributes was carried out during October-December, 2013. The Pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 23.09.2014 at Office of the Sub-Divisional Office, Rohat, District Pali. The public Hearing was presided over by Mr. Brajesh Kumar Chandoliya, ADM Pali. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.18 Lakhs (capital cost) and Rs. 25.80 Lakhs (annual recurring cost). Proponent informed that Rs. 4 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 Lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~609597 MT of Bajri has been achieved after grant of temporary working permission granted by Joint Secretary, Government of Rajasthan, Khan(Group-2) Department, Rajasthan vide its letter no. P.8(1)Khan/Group-2/2013 dated 19.12.2013.

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

- (i) TOR compliance is not adequate and needs to be resubmitted;

- (ii) Detailed traffic study needs to be conducted for evacuation Route for transportation of sand;
- (iii) Replenishment study of Sand needs to be conducted;
- (iv) Cumulative impact of other mines located in the vicinity of the lease area needs to be submitted;
- (v) Revised action plan on the issues raised during PH needs to be submitted; and
- (vi) Certificate from the SPCB/CPCB that the mine is located in critically polluted area or not.

(2.13). Mining of Bajri (Minor Mineral) with proposed production capacity of 22.5 Lakh TPA (ROM) by M/s Ranveer Singh Rathore, located at Revenue villages of Tehsil – Sayla, District Jalore, Rajasthan (3797.588 ha) (Consultant: Vardan Environet)-Consideration of EC

The proposal of Shri Ranveer Singh Rathore S/o Sh. Bhagirath Singh Rathore is for mining of Bajri (Minor Mineral) with production capacity of 22.5 Lakhs TPA (ROM) of Bajri. The lease is located at Revenue villages of Tehsil – Sayla, District Jalore, Rajasthan in mine lease area of 3797.588 ha. The mine lease area lies on Sukari and Bandi River bed. The lease area falls on the Latitudes 25°10'50.18" to 25°19'56.90"N and Longitudes 72°3'57.14" to 72°23'38.08"E on the Survey of India Toposheet No. 45 C/3, 45 C/4, 45 C/7 & 45 C/8.

The proposal was considered by the Expert Appraisal Committee in its Meeting held during 31st October-1 November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by MoEF vide letter No. J-11015/339/2013-IA.II (M) dated 22nd November, 2013. The proponent submitted EIA/EMP online to the Ministry for seeking environmental Clearance after conducting public hearing.

The total mine lease area is 3797.588 ha Gair Mumkin Nadi Nala (Government Land) which non-forest land. Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of sand deposit and not less than one meter from the water level of the River channel whichever is reached earlier. Letter of Intent (LOI) for grant of mining lease for minor mineral Bajri over an area of 3797.588 ha. has been granted from Director of Mines and Geology Department, Govt. of Rajasthan vide letter dated 20th March 2013 for the period of 5 year to Sh. Ranveer Singh Rathore S/o Sh. Bhagirath Singh Rathore. Total water requirement for the project will be 46 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply from existing bore-wells/ tube wells of nearby villages. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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). One season baseline data has been collected from October-December, 2013 within 10 km radius of the study area. All the parameters for water, soil, noise and air quality were within permissible limits.

The public Hearing for the proposed Project was conducted on 20.08.2014 at Panchayat Samiti Bhawan, Tehsil-Sayla, District-Jalore, Rajasthan. The Public Hearing was presided over by Shri Asha Ram Dudi, Assistant District Magistrate, Jalore. 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 cost of the project is Rs. 4.65 Crores. Cost for Environmental Protection is Rs. 17.5 lakhs (capital cost) and 7.5 lakhs (recurring cost), Budget for occupational health is Rs. 3 lakhs (capital cost) and 1 lakhs (recurring cost). For CSR Rs. 15 lakhs/annum will be allocated. Budget for Biodiversity Conservation is Rs. 12 lakhs spread over 5 years. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013 (In Civil Appeal No. 9703-9704 of 2013) production of ~ 23307 Tons of Bajri has been made during January 2014 to November 2014.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 22.5 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried

out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.14). River Sand Mining with production capacity of 14.0 Lakh TPA (ROM) Sand by M/s Shekhawat Associates, located near 113 Revenue Villages viz. Akbai Ki Dhani, Ajeetpura, Atbara, Bagri-I, Bagri-II, Bagawas, Bariyala, Basna and others, Tehsil-Sojat, District-Pali, Rajasthan (4316.0ha)-(Consultant: EQMS India Pvt. Ltd.)-Consideration of EC

The proposal of M/s Shekhawat Associates is for mining of Bajri (Minor Mineral) at 113 revenue village(s) of Tehsil-Sojat, District-Pali, Rajasthan with proposed production capacity of 14.0 Lakhs TPA (ROM) of Bajri in the mine lease area of 4316.0ha. The mine lease area lies in Sukri, Lilri, Guhiya and Rediya River bed. The Latitudes and Longitudes of the mine lease area lies between 25°43'00.00"N to 26°14'00.00"N and 73°12'00.00"E to 74°05'00.00"E on Survey of India toposheet number 45 G/5, 45G/9, 45G/13, 45 F/8, 45 F/12 and 45 F/16. The project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/260/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 4316.0ha which is Gairmumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no P.8(4)Khan/Group-2/2013 dated 19.12.2013 in favor of M/s Shekhawat Associates for river-bed mining of minor mineral Sand (Bajri). The Mine Plan was approved by SME Jaipur, vide SME/JO/CC/SOJAT/MINOR/BAJRI/ML No. 546/2012 dated 04.12.2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The project proponent informed that 166.67 ha area will be used for excavation, 364.50ha for road, 55.0 ha for Green belt development and 3729.83 ha area will be the others (undisturbed area).

Project Proponent reported that some stretches of the mine lease area along the rivers fall within 10 km from the periphery of the western boundary of Todgarh Raoli Wildlife Sanctuary. The Committee deliberated and advised the PP that NBWL approval is required for this Project. The total water requirement is 25 KLD including water demand for domestic purpose (4 KLD), dust suppression (15 KLD) and green belt development (6 KLD) which shall be met by tanker supply from the private agency. The existing riverbed levels area higher than more than 3m from water GWT. Hence, no ground water interception during the mining operations is envisaged.

The baseline study for different environmental attributes was carried out during Oct-Dec, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 16.09.2014 at Office of the Sub-Divisional Office, Sojat, District, Pali. The Public Hearing was presided over by Mr. Brajesh Kumar Chandoliya, ADM, Pali. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.04 Lakhs (capital cost) and Rs. 20.94 Lakhs (annual recurring cost). Proponent informed that Rs. 4 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 Lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~362849 MT of Bajri has been achieved after grant of temporary working permission granted by Joint Secretary, Government of Rajasthan, Khan (Group-2) Department, Rajasthan vide its letter no. P.8(4)Khan/Group-2/2013 dated 19.12.2013.

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

- (i) TOR compliance is not adequate needs to be resubmit;
- (ii) Detailed traffic study need to be conducted for evacuation Route for transportation of sand;
- (iii) Replenishment study of Sand need to be conducted;

- (iv) Cumulative impact of other mines located in the vicinity of the lease area needs to be submitted;
- (v) Status of NBWL approval;
- (vi) Revised action plan on the issues raised during PH needs to be submitted; and
- (vii) Certificate from the SPCB/CPCB that the mine is located in critically polluted area or not.

(2.15). River Sand Mining with production capacity of 11.2 Lakhs TPA (ROM) Sand by M/s Kuber Associates, located near 127 revenue villages viz. Akhawas, Anji Ki Dhani, Aaua, Angdosh, Asan Dhanchiyan and others., Tehsil-Marwar, District-Pali, Rajasthan (4280.0ha) (Consultant: EQMS INDIA PVT. LTD. INDIA)-Consideration of EC

The proposal of M/s Kuber Associates is for mining of Bajri (Minor Mineral) at 127 revenue village(s) of Tehsil-Marwar, District-Pali, Rajasthan with proposed production capacity of 11.2 Lakhs TPA (ROM) of Bajri in the mine lease area of 4280.0ha. The mine lease area lies in Bandi, Lilki, Mithri, Kantaliyi, Khardi, Sukri upper, Khari and SiririRiver(s) bed. The Latitudes and Longitudes of the mine lease area lies between 25°31'00.00"N to 25°42'00.00"N and 73°30'00.00"E to 73°49'00.00"E on Survey of India toposheet number 45 G/6, 45 G/9, 45 G/10, 45G/13 and 45G/14. The project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/255/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 4280.0ha which is Gairmumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no P.8(2)Khan/Group-2/2013 dated 13.02.2013 in favor of M/s Kuber Associates for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved by SME Jaipur vide SME/JO/CC/SOJAT/MINOR/BAJRI/ML No. 547/2012 dated 04.12.2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The Project Proponent informed that 133.33 ha area will be used for excavation, 75.60ha for road, 44.5 ha for Green belt development and 4026.57 ha area will be the others (undisturbed area). The total water requirement is 25 KLD including water demand for domestic purpose (4 KLD), dust suppression (15 KLD)

and green belt development (6 KLD) which shall be met by tanker supply from the private agency.

Project Proponent reported that some stretches of the mine lease area along the rivers fall within 10 km from the periphery of the western boundary of Todgarh Raoli and Kumbhalgarh Wildlife Sanctuary. The Committee deliberated and advised PP that NBWL approval is required for this Project. The baseline study for different environmental attributes was carried out during Oct-Dec, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 18.09.2014 at Office of the Sub-Divisional Office, Marwar Jn., District Pali. The Public Hearing was presided over by Mr. Brajesh Kumar Chandoliya, ADM Pali. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.04 Lakhs (capital cost) and Rs. 19.45 Lakhs (annual recurring cost). Proponent informed that Rs. 4 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 Lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~311659 MT of Bajri has been achieved after grant of temporary working permission granted by Joint Secretary, Government of Rajasthan, Khan (Group-2) Department, Rajasthan vide its letter no. P.8(2)Khan/Group-2/2013 dated 19.12.2013.

The proposal of M/s KuberAssociates for mining of Bajri (Minor Mineral) at 127 revenue village(s) of Tehsil-Marwar Jn., District-Pali, Rajasthan with proposed production capacity of 11.2 Lakh TPA (ROM) of Bajri in the mine lease area of 4280.0 ha. The mine lease area lies in Bandi, Lilki, Mithri, Kantaliyi, Khardi, Sukri upper, Khari and SiriariRiver(s) bed. The Latitudes and Longitudes of the mine lease area lies between 25°31'00.00"N to 25°42'00.00"N and 73°30'00.00"E to 73°49'00.00"E on Survey of India toposheet number 45 G/6, 45 G/9, 45 G/10, 45G/13 and 45G/14. As per Seismic Zoning Map of India IS: 1893(Part-1):2002, the project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/255/2013-IA.II (M), dated 17th October, 2013. The Proponent

submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 4280.0 ha which is GairmumkinNadiNala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no P.8(2)Khan/Group-2/2013 dated 13.02.2013 in favor of M/s Kuber Associates for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved by SME Jaipur vide SME/JO/CC/SOJAT/MINOR/BAJRI/ML No. 547/2012 dated 4.12.13.

The project proponent informed that 133.33 ha area will be used for excavation, 75.60ha for road, 44.5 ha for Green belt development and 4026.57 ha area will be the others (undisturbed area). Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road.

Some stretches of the mine lease area along the rivers fall within 10 km from the periphery of the western boundary of TodgarhRaoli and Kumbhalgarh Wildlife Sanctuary. The lease area is neither covered under critically polluted areas, as notified by MoEF&CC, nor it attracts Aravalli restriction. The total water requirement is 25 KLD including water demand for domestic purpose (4 KLD), dust suppression (15 KLD) and green belt development (6 KLD) which shall be met by tanker supply from the private agency. The existing riverbed levels are higher than more than 3m from water GWT. Hence, no ground water interception during the mining operations is envisaged.

The baseline study for different environmental attributes was carried out during Oct-Dec, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards. The surface water quality is good for fish culture, irrigation purpose and outdoor bathing except drinking water source without conventional treatment. The analysis of ground water indicates that the pH is within threshold limit.

The Rajasthan State Pollution Control Board conducted the public hearing on 18-09-2014 at Office of the Sub-Divisional Office, Marwar Jn., District Pali in the presence of Mr. Brajesh Kumar Chandoliya, ADMPali and representatives of the State Pollution Control Board, Rajasthan. 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.

The capital cost of project is Rs.75 lac. The overall cost of environment management plan shall be Rs. 2.04 lac (capital cost) and Rs. 19.45 lac (annual recurring cost). Proponent informed that Rs. 4 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~311659 MT of Bajri has been achieved after grant of temporary working permission granted by Joint Secretary, Government of Rajasthan, Khan (Group-2) Department, Rajasthan vide its letter no. P.8(2)Khan/Group-2/2013 dated 19.12.2013.

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

- (i) TOR compliance is not adequate needs to be resubmit;
- (ii) Detailed traffic study need to be conducted for evacuation Route for transportation of sand;
- (iii) Replenishment study of Sand need to be conducted;
- (iv) Cumulative impact of other mines located in the vicinity of the lease area needs to be submitted;
- (v) Status of NBWL approval;
- (vi) Mitigation measures for removing of hardness of water;
- (vii) Revised action plan on the issues raised during PH needs to be submitted; and
- (viii) Certificate from the SPCB/CPCB that the mine is located in critically polluted area or not.

(2.16). Mining of stone (Minor Mineral) in the Mine of "Kalali and Kalyana" with production capacity of 60.0 Lakhs TPA (ROM) of stone by M/s Associated Soapstone Distributing Co. Pvt. Ltd., located at villages- Kalali and Kalyana, District-Bhiwani, Haryana (64.40ha)-(Consultant: Grass Roots Research and Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Associated Soapstone Distributing Co. Pvt. Ltd. is for mining of Stone (Minor Mineral) with proposed production capacity of 60.0 Lakhs TPA (ROM). The mine lease area is located at village- Kalali and Kalyana, and District: Bhiwani, Haryana in the mine lease area of 64.40ha. The proposed mining is a hill mining project. The Latitudes and Longitudes of the Lease lies between Latitude: 28°33' 2.83" N to 28°31' 46.31" N and Longitude: 76°11' 15.84" E to 76°10' 38.23" E on Survey of India toposheet numbers H43W2. The Project is located in Seismic zone-III.

The proposal was considered by the Expert Appraisal Committee in its meeting held on 20th and 21st March, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by EAC vide letter no. J-

11015/56/2014-IA.II (M) dated 5th May, 2014. The Proponent submitted online application for seeking environmental clearance after conducting public hearing to the Ministry.

The mine lease area is 64.40 ha which is Hill Slope (Stony waste Land). No forest land is involved. Letter of Intent (LOI) for grant of mining lease for Stone over an area of 64.40 ha has been granted by the Director of Mines and Geology Department, Govt. of Haryana, vide Memo No.DMG/HY/ML/Kalali & Kalyana/2013/149, dated 03.01.2014 for the period of 18 years. The Mining Plan is approved by Department of Mines and Geology, Haryana; vide letter no.DMG/HY/ML/Kalali & Kalyana/MP/4223, dated 18th September, 2014.

The mining operations shall be carried out fully mechanized opencast method utilizing Heavy Earth Moving Equipment (HEMM) in conjunction with deep hole drilling by crawler mounted DTH drills and blasting. Drilling and blasting shall be required to dislodge the mineral. The mining method involves breaking the rocks with explosives, loading the material with excavators and haulage with dumpers. The reserves up to 40m below the valley level (212 MRL) are proposed to be worked. The surface level reserves will not be depleted during the next 12 years. The workings will start at 361 MRL and will reach up to 252 MRL (Ground Level) at the end of 5th year. The elevation of the hill top is 361 MRL, the ground level is 252 MRL and working is proposed 40 mts below ground level i.e. upto 212 MRL. The total water requirement is 16.92 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, no ground water interception during the mining operations is envisaged.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 400 per day (25 tonnes capacity each) which increase 1800 PCUs per day and the level of service (LOS) will be changed from A i.e. Excellent to B i.e. very good . 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 falls within the study area (10 km radius of the mine boundary). The baseline data was generated for the period during March 2014 to May 2014. 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 will be no resettlement or rehabilitation/ compensation involved in the project area, as the lease area is Government Land.

The Public Hearing for the proposed Project was conducted on 06.02.2015 at 11.00 am At Dadri, Bhiwani, The Public Hearing was presided over by Dr. Saket Kumar, DC Bhiwani, 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, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submit to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 7.84 Crores. The Proponent has earmarked Rs. 13.5 Lakhs towards Environmental Protection Measures. Proponent informed that Rs. 25 lakhs per annum have been earmarked towards CSR activities for next 18 years of mining operation. Project Proponent reported that there is a Court case in the Hon'ble High Court Punjab & Haryana in the matter of CWP No. 27700 of 2013 Rajbir Singh v/s State and others. The petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. 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 Lol 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 deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for environmental clearance for Mining of Stone (Minor Mineral) with proposed production capacity of 60.0 Lakhs TPA (ROM) of Stone **subject to submission of updated status of Court case.**

The Committee also **recommended** additional **specific conditions** viz. (i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; (ii) An independent study be organised during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential stone extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of stone; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres; (vi) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; (viii) A comprehensive study for slope stabilization of mine benches and OB dumps shall be undertaken within one year; (ix) Washing of all transport vehicle should be done inside the mining lease (x) "Environmental Clearance is subject to final outcome of the Court case in Hon'ble High Court of Punjab and Haryana" or any other Court of Law; (xi) Native plant species as suggested by villagers/specialist may be planted; and (xi) Implementation of Haryana Government Rehabilitation and Resettlement of Land Owners' Policy as per applicability in the area.

(2.17). Mining of Mineral-Bajri (Minor Mineral) with proposed production capacity 32.0 Lakhs TPA (ROM) by M/s Satya Swaroop Singh Jadaun, located at Revenue villages of Tehsil-Jalore, District-Jalore, Rajasthan (5269ha) (Consultant: Vardan Environet, Haryana)- Consideration of EC

The proposal of Shri Satya Swaroop Singh Jadon S/o Shri Bhagwan Singh is for mining of Bajri (Minor Mineral) with production capacity of 32.0 Lakhs TPA (ROM) of Bajri. The mine is located at Revenue villages of Tehsil-Jalore, District-Jalore, Rajasthan in the mine lease area of 5269 ha. The mine lease area lies on Sukri, Khari, Bandi and Jawai River bed. The Latitudes and Longitudes of the Lease lies between Latitudes: 25°19'59.444 "N to 25°0'51.138 "N and Longitudes: 72°23'54.75"E to 72°39'23.079"E on Survey of India toposheet numbers 45 C/8, 45 C/12, 45 D/ & 45 D/9.

The proposal was considered by the Expert Appraisal Committee in its Meeting held during 31st October-1 November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by MoEF vide letter No. J-11015/375/2013-IA.II (M) dated 22nd November, 2013. The proponent submitted EIA/EMP online to the Ministry for seeking environmental Clearance after conducting public hearing.

The total mine lease area is 5269 ha Gair Mumkin Nadi Nala (Government Land) which non-forest land. Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of sand deposit and not less than one meter from the water level of the River channel whichever is reached earlier. The Letter of Intent (LOI) of mining lease was granted to Sh. Satya Sawroop Singh Jadaun S/o Sh. Bhagwan Singh on 26th April 2013 for 5 years by Department of Mines & Geology, Rajasthan vide letter no. P8(22) Mining/ Group-2/2013 over an area

of 5269 ha in Tehsil Jalore District Jalore, Rajasthan for mining of Bajri (Minor Mineral). The Mining Plan is approved by Department of Mines and Geology, Rajasthan; vide letter dated 12.11.2013. Total water requirement for the project will be 34.7 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply from existing bore-wells/ tube wells of nearby villages. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

Project Proponent reported that there is no National Parks, Sanctuary, Eco-Sensitive Zones etc. fall in the study area. One season baseline data has been collected from October -December, 2013 within 10 km radius of the study area. All the parameters for water, soil, noise and air quality were within permissible limits.

The Public Hearing for the proposed Project was conducted on 29.09.2014 at 11:00 am at Mining Association Building, Phase-III, industrial Area, Tehsil- Jalore, District- Jalore, Rajasthan. The Public Hearing was presided over by Shri Asha Ram Dudi, Assistant District Magistrate, Jalore. 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 cost of the project is Rs. 11.51 Crores. Cost for Environmental Protection is Rs. 44.50 Lakhs (capital) and Rs. 15 lakhs (recurring) inclusive of Budget for occupational health is Rs. 6 lakhs (capital cost) and 2 Lakhs (recurring cost) and Budget for Biodiversity Conservation is Rs. 9.5 Lakhs spread over 5 years. For CSR Rs. 20 lakhs/annum will be allocated. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013 (In Civil Appeal No. 9703-9704 of 2013) production of ~ 616375 Tonnes of Bajri has been made during January 2014 to January 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 32.0 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.18). Bunder Diamond Mine of Kimberlite Ore (Diamond Bearing Ore) with proposed capacity of 7.15 Million TPA (ROM) along with 5.0 Million TPA (ROM) of Kimberlite Ore processing Plant by M/s Rio Tinto Exploration India Pvt. Ltd, located at Bunder, Bakswaho Protected Forest, Tehsil-Bakswaho, District- Chhatarpur, Madhya Pradesh (MLA 954ha)- (Consultant : B. S. Envi-Tech (P) Ltd.)-Consideration of EC

The proposal of M/s. Rio Tinto Exploration India Pvt. Ltd is for Bunder Diamond Mine of Kimberlite Ore (Diamond Bearing Ore) with proposed capacity of 7.15 Million TPA (ROM) along with 5.0 Million TPA (ROM) of Kimberlite Ore processing Plant. The mine is located at at Bunder, Bakswaho Protected Forest, Tehsil-Bakswaho, District-Chhatarpur, Madhya Pradesh in MLA of 954ha. The Mining lease area lies between 24°18'25"N-24°20'52"N Latitudes and 79°16'11"E-79°18'32"E Longitudes on Survey of India Toposheet No. 54 P/7.

The proposal of TOR was considered in the Expert Appraisal Committee in its meetings held during July 25-27, 2012 and February 20-22, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-1 1015/132/2012-IA.II (M), dated 28th March, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The total mining area is 954 ha which is a forest land. The Government of Madhya Pradesh has issued Letter of Intent, vide letter no. F3-10/2009/12/1, dated 10.01.2012. PP informed that the Stage-I Forest Clearance is under process. Indian Bureau of Mine (IBM) vide letter No. 314(3)/2013- MCCM (CZ)/MP-1, dated 01.08.2013 has approved the Mining Plan with Progressive Mine Closure Plan. Proponent informed that 61 ha area will be used for excavation, 206 ha for waste dumping, 82.78 ha for soil dumping and 205 ha for tailing pond, Processing plant will be located in 7.71 ha and Roads and drains in 62.60 ha.

Method of mining is mechanized opencast for Kimberlite ore mining. Ore processing involves: Primary Crushing, Secondary Crushing, Dry Screening, Tertiary Crushing, Wet Screening, Degritting, Dense Media Separation and final Recovery. Excavation will be carried to a depth of 345m BGL, intersecting the Ground Water. The CGWA issued permission for pumping out the mine pit water of 1268 m³/day. Mineral will be transported through Dumpers to the processing plant within the lease area. The water requirement for the mine and ore processing plant is estimated to be about 16050 m³/day (5.9 Million Cubic Meters/year). To avoid the mine pit from surface water inundation and to keep workmen safe, construction of the embankment is proposed. Required water is sourced from the reservoir which forms by virtue of construction of this embankment. PP informed that conceptually, mined out area will be converted into water reservoir and about 519ha of the mining lease area will be brought under afforestation in the post mining which includes stabilized dumps and tailing pond. Coarse Processed Kimberlite tailings from the ore processing plant will be used for construction of embankment of tailing pond. Fine Processed Kimberlite (FPK) tailings will be disposed to the tailing pond proposed over 205ha. Infiltration studies carried in the proposed tailing pond area indicated 'low permeability'. PP informed that the studies carried out by NEERI revealed that the tailings are Non Toxic and Non Hazardous and its disposal doesn't pose significant danger to the existing ground water resources in the area. No excavated material is taken outside the lease area except for bulk sampling and test work purposes. The product i.e. diamonds will be about 700 kg per annum which will be air lifted from nearest airport.

Project Proponent reported that no eco-sensitive areas like National Parks, Sanctuaries, Elephant Reserves, Tiger sanctuaries or migratory routes of the fauna are existing within 10 km radius of the MLA. The nearest National Park/Sanctuary is Panna Tiger Reserve (PTR) with its buffer zone at 19.03 km. The Mine lease area lies in Bakswaho Protected Forest. The Schedule-I Species found in the study area of 10 km radius are Monitor lizard (*Varanus benghalensis*), Indian rumped vulture (*Gyps bengalensis*), Indian Peafowl (*Pavo cristatus*), Sloth bear (*Melursus ursinus*), Leopard (*Panthera pardus fusca*), Indian Gazelle (*Gazella bennettii*) and Chowsingha (*Tetraceros quadricornis*). PP has made the Conservation Plan with a budget of Rs 12.10 Crores. Additionally, an amount of Rs 2.89 Crores has been budgeted for Vulture Conservation through Bombay Natural History Society (BNHS, Bird Life Partner in India). The Conservation Plan has been submitted to Chief Wildlife Warden, for approval. The Committee discussed the conservation plan.

The baseline data was generated for the period during study period of Winter season December, 2010 to March 2011. Baseline data was revalidated by collecting two months data during Winter Season, 2014-15 i.e. January and February, 2015. All the parameters for water and air quality are within limits. The Committee noted that the PP collected the baseline data during 2010-11 before TOR and only monitored two months baseline data in January-February 2015 (not as per IMD Guidelines). PP

needs to submit one complete set of baseline data as per IMD seasons. The Committee observed that PP used the baseline data collected during 2010-11 for conducting the Public Hearing which needs clarification.

The Public Hearing for the proposed Project was conducted on 12.02.2014. The Public Hearing was presided over by Dr. Masood Akhtar, Collector, Chhatarpur. The Representatives of the Pollution Control Board were also present. Issues raised during Public Hearing were discussed which inter-alia include Preference of locals for Employment, tree cutting, availability of ground water, soil erosion and damming of nalla etc. The Committee noted that around 80 People made the representation that mining lease shall not to be granted to M/s Rio Tinto as they are killers of lakhs of trees, destroy the environment, damage the wildlife, destroyer of the livelihood. The Committee is of the view that PP needs to revise the Action Plan on the issues raised during Public Hearing along with budgetary provisions.

The cost of the Project is Rs 3406 Crores. The Proponent reported that Rs. 18.25 Crores is budgeted for implementing Environment Management Plan. Project Proponent reported that a Writ petition No. 6135 of 2011 (PIL) was filed at the High Court of Madhya Pradesh, Principal Seat at Jabalpur. PP has informed that they had filed its reply and the case was disposed, however details of court case needs to be submitted.

The Committee deliberated at length on the information submitted by PP and **deferred** the Proposal for Environmental Clearance and sought the following information/clarification and will reconsider the proposal after submitting the following information by PP without calling the PP:-

- (i) The Committee noted that PP reported that the Mining lease area lies between 24°18'28.9 "N - 24°20'49.9" N Latitudes and 79°16'2.60"E - 79°18' 27.20 "E Longitudes on Survey of India Toposheet No. 54 P/7. However, in the approved Mine Plan, the Latitudes and Longitudes are different viz. 24°18'25"N - 24°20'52"N Latitudes and 79°16'11"E - 79°18'32"E. The Committee noted that the PP shall rectify the error and submit the correct Latitudes and Longitudes of the mine lease area;
- (ii) The Committee noted that around 80 People made the representation that mining lease shall not to be granted to M/s Rio Tinto stating that they are killers of lakhs of trees, will destroy the environment, damage the wildlife & destroy the livelihood. The Committee is of the view that PP needs to revise the Action Plan on the issues raised during Public Hearing along with budgetary provisions;
- (iii) The Committee noted that the PP collected the baseline data during 2010-11 before TOR and only monitored two months baseline data in January-February 2015 (not as per IMD Guidelines). PP needs to submit one complete set of

baseline data as per IMD seasons. The Committee observed that PP had used the baseline data collected during 2010-11 for conducting the Public Hearing, which needs to be clarified; and

(iv) Provide the details of Court case and its Order.

(2.19). Mining of Sand (Minor Mineral) in the Mine of "Mahendergarh Unit-3" with production capacity of 0.8 million m³ of River Sand (ROM) by M/s. Om Minerals, located at Revenue villages of Tehsil-Narnaul, District-Mahendragarh, Haryana (364.54 ha) (Consultant: VardanEnviroNet)- Consideration of EC

The proposal of M/s Om Minerals is for River Sand Mining with proposed production capacity of 0.8 of million m³ of River Sand (ROM) in 364.54 ha. The MLA is located near 17 revenue villages falling under Tehsil-Narnaul and Nangal Chaudhary, District-Mahendergarh, Haryana. The lease area lies in the course of River Krishnawati. The Latitudes and Longitudes of MLA are North 27°51'49.5" to 28°02'53.03" and East 76°04'28.21" to 76°08'29.32" respectively. The land use of the lease area is waste land (revenue) in the course of Ephemeral River. No forest land is involved.

The proposal was considered by the Expert Appraisal Committee in its Meeting held during April 29-30, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by MoEFCC vide letter No. J-11015/87/2014-IA.II (M), dated 11.06.2014. The Proponent submitted EIA/EMP online to the Ministry for seeking environmental Clearance after conducting Public Hearing.

Total mine lease area is 364.54ha. Mine working will be opencast semi-mechanized method. Excavation will be carried out up to a maximum depth of 3 meters from surface of sand deposit and not less than one meter from the water level of the River channel whichever is reached earlier. The Letter of Intent (LOI) of mining lease was granted to M/s Om Minerals on 3rd January 2014 for 9 years by Department of Mines & Geology, Haryana vide letter No. Glg/Hy/MGR/Cont/Unit-3/2013/147, dated 03.01.2014. The Mining Plan is approved by Department of Mines and Geology, Govt. of Haryana; vide letter dated 20.02.2015. Total water requirement for the project will be 25 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply from existing bore-wells/ tube wells of nearby villages. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

PP reported that there is no National Parks, Eco Sensitive Zones within 10 km of Mining Lease area. Baseline data has been collected from Pre-Monsoon Season (March to May 2014) and Post-Monsoon (October 2014) season, 2014 within 10 km radius of the study area. All the parameters for water, soil, noise and air quality were within permissible limits.

The Public Hearing for the Project was conducted on 17.12.2014 at 10:30 am at Village-Nangal Kalia, Tehsil- Narnaul, District- Mahendergarh, Haryana. The Public Hearing was presided over by Sh. R. S. Varma, Additional Deputy Commissioner, Mahendergarh. 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 cost of the project is Rs. 75.0 Lakhs. Cost for Environmental Protection is Rs. 20.50 Lakhs; Budget for Biodiversity Conservation is Rs. 13.0 Lakhs spread over 5 years. For CSR Rs. 20 lakhs/annum has been allocated.

Project Proponent reported that there is a Court case in the Hon'ble High Court Punjab & Haryana in the matter of CWP No. 27700 of 2013-Rajbir Singh v/s State and others. The petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. 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 Lol 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 deliberated the issues and **deferred** the proposal and sought the following information for further consideration:

- (i) The Committee noted that Mine Plan has been 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 view of the above, it was decided by the Committee that the comments of the Mining & Geology Department be secured on material changes, if any, in the Final Mine Plan compared to the said Draft Mining Plan submitted by the PP to the Public. The Committee also was of the view that clarification may also be sought from the PP with an undertaking, as to whether the contents of Draft Mine Plan and approved Mine plan are same or different;
- (ii) Committee noted that in proper compliance of TOR no. 17 with regard to Aravali Notification has not been provided, the required Certificate from the concerned Authority needs to be submitted;
- (iii) The Committee noted that the Consultant has submitted the Questionnaires wherein at S.No. 50 i.e. details of court case mentioned 'No', however, the LOI was issued subject to the outcome of Court case in the Hon'ble High Court Punjab & Haryana in the matter of CWP No. 27700 of 2013-Rajbir Singh v/s State and others. The Committee observed that the Consultant has to submit the documents which are

consistent to each other and should not have submitted such a deficient Proposal causing delay in appraisal of Proposal and wasting the time of the Committee; The Revised documents needs to be submitted:

(iv) The Committee also noted that Questionnaires' w.r.t. S. No. 4 (land detail) need to be resubmitted; and

(v) Updated status of court case needs to be submitted;

(2.20). Enhancement in production capacity of China Clay Mine from 15,000 TPA to 1,50,000 TPA (ROM) and installation of crusher of 65 TPH by M/s J.K. White Cements Works, located at village-Kantharia, Tehsil & District Chittorgarh, Rajasthan (53.8424ha)(Consultant: PerfectEnviro Solutions Pvt. Ltd., New Delhi)-Reconsideration of EC

The proposal of M/s J. K. White Cement Works Ltd. is for enhancement in production capacity of China Clay Mine from 15,000 TPA to 1,50,000 TPA (ROM) and installation of crusher of 65 TPH in the mine lease area of 53.8424 ha. The mine is located near village - Kanthariya, Tehsil & District-Chittorgarh (Rajasthan). The mine lease area lies between Latitudes & Longitudes 24 0 47' 24" to 24 0 47' 57" N and 74 0 34' 48" to 74 0 35' 29" E. respectively.

The Proposal was considered in the EAC meeting held during September 25-26, 2014 wherein the Committee deferred the proposal and sought the following information/clarification for further consideration:-

- (i) Compliance of TOR condition no. 12 is not adequately addressed;
- (ii) Complete authenticated list of Flora and Fauna needs to be submitted;
- (iii) The issue raised by Shri Fateh Lal Gurjar during PH has not been addressed;
- (iv) Revised Questionnaire needs to be submitted w.r.t. Sl. No. 4 of the Questionnaire & number of surrounding mines etc.;
- (v) Revised map with dispersal modeling need to be submitted;
- (vi) Certificate that there is need for not surrendering non-mineralized area as stipulated in earlier EC;
- (vii) The following issues regarding compliance of earlier EC needs to be submitted:
 - (A) Compliance of no. (iii) w.r.t. backfilling and consequent reclamation has not been satisfactorily complied;
 - (B) The EC condition no. w.r.t. regular monitoring of ground water level and quality and establishing network of existing wells and constructing new piezometers has not been complied by the Project Proponent and Committee was of the opinion that the Project Proponent must immediately comply this condition to install the piezometer and reports for one month data is to be submitted;
 - (C) The PP has not carried out all the AAQ data collection w.r.t. Notification of 2009 regarding Ambient Air Quality Parameters; and
- (viii) The Committee also decided that an Inspection of the Study Area be carried out and Report submitted within one month by a Sub-Committee comprising of Shri P.K. Verdia, Prof. Ajay Kumar along with Dr. V.P. Upadhyay and Dr. R.B. Lal

and that the Proposal be considered further after the said Site Inspection by the Sub-Committee and receipt of the aforesaid information.

In this context, the Project Proponent vide letter dated 24.12.2014 has submitted the requisite information. The point wise explanation of the queries given by the PP as given below:

- (i) With regard to compliance of TOR condition No. 12 which is related to Land use Pattern, PP has submitted revised Existing land use pattern, End of planned year land use and Final Land use.
- (ii) With regards to Authenticated list of flora and Fauna, PP has submitted the complete list of flora and fauna approved by DFO.
- (iii) With regards to the issue raised by Shri Fateh lal Gurjar during PH, PP has informed the question is not related to the J.K White mine, Road map has also been submitted as proof.
- (iv) With regards to revised S.No.4 of Questionnaire which is related to Break-up of Mine lease area, PP has submit the revised break up of mine lease area.
- (v) With regard to revised dispersion modelling, PP has submitted the revised dispersion modelling. The AERMOD results shows the concentration of PM₁₀ will be 9.95 mg/m³ by using control measures.
- (vi) With regards to surrendering non-mineralized area, PP has informed that this area will be used in overburden dumps and plantation etc. An affidavit regarding aforesaid is also submitted.
- (vii) With regards to compliance of earlier EC, PP has submitted the depth wise water quality result and summitted the AAQM monitoring report as per Notification of 2009.

Based on the recommendations of the EAC, a Sub-Committee comprising of Prof. G.S. Roonwal, Shri P.K. Verdia, Dr. V.P. Upadhyay and Dr. R.B. Lal have visited the mine of M/s. J. K. White Cement Works Ltd. during January 17-19, 2015 and has recommended the followings:-

- (i) The Committee observed that at present there is a lack of the water management system including ground water. Therefore, water management aspects need to be understood by the project. There is no scientific water management, harvesting and recharge system in the project. Therefore, the mining operations should be considered looking at the catchment, drainage area and then water management may be decided for better mine planning. The Project is developing a water harvesting system which is not being built scientifically as there are no settling ponds proposed before letting the water in to the recharge pit. There is no calculation also about the total rainfall directly draining in to the rain water harvesting system. Therefore, the facilities may not function.
- (ii) No piezometer has been installed so far to monitor ground water.

- (iii) The overburden dumps are poorly managed at two places. There is no scientific methodology adopted for reclamation. Slopes suffer from gullies formation and erosion. The plant species chosen are not ecologically suitable to bring the reclaimed area to near natural condition. A Scientific planning is therefore needed. Therefore, the reclamation at waste dump sites is not ecologically sustainable. The local species may be recommended to be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows only species adopted to that micro climate. This may be recommended to be studied by hiring Expert Ecology Group.
- (iv) There is no environment management policy of the company. No attempt has been made to develop green belt or any plantation in the area. Thus, when trucks ply, huge amount of dust is generated. All the bushes and trees along the haul road are dust laden.
- (v) The Project severely lacks facilities for the employees. There is no sufficient office space, sanitation and toilet facilities, drinking water. The project does not have any recreational facilities for the employees/workers. Therefore, satisfaction level among the employees regarding the working conditions may be far lower. According further EC without ensuring the above facilities may lead to worsening the labour welfare situation.

The PP during the EAC meeting presented the compliance which is as follows:-

- (i) PP informed that they will not abstract the ground water and are managing mines as per approved mining plan. Presently, they have constructed one water harvesting & recharge pit at site.
- (ii) Piezometer has been installed to monitor the ground water at site.
- (iii) With regard to overburden, M/s JK White Cement Works has taken up the matter seriously and sought services of Prof. P.S. Dubey, a noted ecologist and Ex-Director, Institute of Environment Management & Plant Sciences, Vikram University, Ujjain (MP). He has visited this site and made suggestion for stabilizing these over burden mounts & heaps.
- (iv) Company is ISO 9001, ISO 14001, ISO 50001, OHSAS18001 & SA 8000 Certified and committed to develop green belt or plantation in the area.
- (v) After the visit of Sub-Committee, PP is constructing new toilet block at site and committed to better facility.

The Committee, after detailed deliberations of the Sub-Committee Report and the information submitted by the PP, **recommended** the Proposal for environmental clearance for Enhancement in production capacity of China Clay Mine from 15,000 TPA to 1,50,000 TPA (ROM) and installation of crusher of 65 TPH.

The Committee **recommended additional specific conditions** viz. (i) The local species may be recommended to be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres;(vi) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

(2.21). Mining of Limestone with production capacity of 9,00,000 TPA (ROM) of Limestone by M/s Cement Manufacturing Co. Ltd., located at village Lumshnong Tehsil Khliehriat, District - East Jaintia Hills, Meghalaya (70.00ha)(Consultant: Perfact Enviro Solutions Pvt. Ltd., New Delhi)-Reconsideration of EC

The proposal of M/s Cement Manufacturing Co. Ltd. is for Limestone Mining with proposed production capacity of 9,00,000 TPA (ROM) in the mine lease area of 70ha. The mine is located at village-Lumshnong, Tehsil-Khliehriat, District-East Jaintia Hills, Meghalaya. The Latitude and Longitude of the site is North 25°10'05" – 25°10'32" and East 92°21'46.4" - 92°22'25.6" respectively.

The Committee noted that the EC proposal was earlier appraised in the meeting held during April 29-30, 2014 wherein, based on the request of PP for change of Consultant, the Committee deferred the proposal to be brought back to the Committee with Accredited Consultant along with validated data to be collected/owned and also with affidavits of owning the earlier data if used by new consultant. PP has submitted the revised EIA/EMP Report.

PP has submitted the EIA/EMP report after validation of data in September 2014 and accordingly the proposal is placed in the EAC meeting held during November 13-14, 2014 wherein the Committee desired that the Proponent shall furnish the following information/clarification for further consideration:-

- (i) The Public Hearing for the Proposed Project was conducted at village-Lumshnong, District - East Jaintia Hills on 23.03.2012 and presided over by Shri S.C. Laloo, MCS, SDO, Khliehriat, District - East Jaintia Hills. The Committee noted that the PH was not presided over by the Authority Competent to conduct Public Hearing as per the EIA Notification, 2006. The Committee asked the PP to submit clarification through District Collector about level of the Chairman who presided over the PH proceedings.
- (ii) As the mine lease area is situated 4.8 km NE from the notified boundary of "Narpuh Wild Life Sanctuary". PP has to submit the NBWL approval from the Standing Committee of Wild Life Board for which a copy of application as required under MoEF&CC OM No. J-11013/41/2006-IA.II(I) (pt)., dated 20.08.2014 may be submitted;
- (iii) Project Proponent reported that there is Schedule -I species namely Bamboo Partridge, Leopard Cat and Hog Badger for which conservation plans have been submitted. The Conservation Plan has not been approved by the Chief Wild Life Warden along with the budgetary provisions;
- (iv) Details of number of mines located within 10 km radius of the MLA and its impact needs to be submitted;
- (v) Lease area involves 65ha of Private land which is the livelihood of the People as broomstick and oranges are grown on these lands which are commercial crops. PP to submit alternate livelihood means to be given to these people; Compliance of TOR No. 18 w.r.t. detailed R&R Plan needs to be submitted; (vi) A copy of JIT

Report, Court Proceedings, Show cause notices issued to PP by RO, MoEF&CC/SPCB for project of Mining and Cement Plant; and

- (vi) Status of mine lease of the PP's in that area along with details of operations and obtaining EC/FC approval including Cement Plant.

In this context, Project Proponent vide letter dated 13.02.2015 has submitted the requisite information which were sought in EAC meeting. The point wise explanation of the queries given by the PP as given below:

- (i) With regards to Public Hearing, Project Proponent has reported that the letter has submitted from DC to represent Shri S.C. Laloo, MCS, SDO, Khliehriat, District - East Jaintia Hills to chair the public hearing also present the letter from DC clarifying that Shri S.C. Laloo was vested with the Power of ADM at the time of Public Hearing.
- (ii) With regards to NBWL approval for "Narpuh Wild Life Sanctuary", PP has informed that NBWL clearance is being applied to PCCF, Shillong.
- (iii) With regards to conservation plan of Schedule-I Species, The PP informed that the conservation plan has been approved from PCCF, Govt. of Meghalaya and a copy has been submitted to MoEFCC on 13.02.2015. Budgetary provision of Rs 24 lakhs have been made in conservation plan for the proposed project.
- (iv) With regards to mine leases within 10 Km study area, PP has submitted the letter from Government of Meghalaya (Directorate of Mineral Resources, Shillong) stating that there are 11 mines within the study area. With regards to the impact of mining, PP informed that semi mechanized mining will be done, all the mines are less than 5 Ha in area. As maximum days of the year remain wet. Due to heavy rain and moist condition throughout the year, impact from mine is minimum. Ambient air Quality of the buffer area (10 km) (PM_{10} ranges from $51.3 \mu\text{g}/\text{m}^3$ – $87 \mu\text{g}/\text{m}^3$) is well within the NAAQ standards and due to moist condition and heavy rain roads are generally wet, and emission of dust is minimum.
- (v) With regard to detailed R&R plan, PP has informed that, Out of 65.18ha of private land, only 46.809ha is an agricultural land. The agricultural land is mostly rocky land with some plantation of oranges, Jamun, Almond, Jackfruit, Sal and cotton. Apart from this, patches of broomstick vegetation can be seen. Around 47 orange trees exist at site from which the produce is sold at a rate of Rs 50,000/- per year. Broom sticks are also grown in about 10ha of land which gives an income of Rs 2.0 lakhs/annum. Apart from this Jamun, Almond, Jackfruit, Cotton have no sale price and are consumed by the producer itself. Sal tree, which is found in abundance, does not give any income to an individual as it can give income only once cut. Average life of Sal tree is 20 yrs. Hence total average annual income of the land owner for 70ha land was Rs 2,50,000/-per annum i.e. Rs 5350/ha/annum. The details of 8 land owner were given along with compensation given to them.
- (vi) With regard to JIT report, PP has submitted the JIT report. The reports show that 4.82 ha of the lease area is forest land.

- (vii) With regard to the details of operations and obtaining EC/FC approval including Cement Plant, PP has submitted the EC of Cement plant, certificate of Non-Forest Land in Cement plant, certificate of Non-Forest Land in 9.66 ha mine lease, letter of Amalgamation of 4.96 ha and 4.70 ha Mine has been done for 9.66 ha, Copy of TOR has been issued from SEIAA, Meghalaya for 9.66 ha mine, Copy of receiving of final EIA submitted after Public Hearing. However, with declaration of "Narpuh Wildlife Sanctuary" in the area. These cases are now category "A", hence shall be upraised at MoEF&CC.

The Committee, after detailed deliberations and the information submitted by the PP, **recommended** the Proposal for environmental clearance for mining of limestone with proposed production capacity of 9.0 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) Mining shall not commence without obtaining clearance under the Wildlife (Protection) Act, 1972 from the Competent Authority as applicable to this project; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres;(vi) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; and(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.

(2.22). River Bed Mining Project of Ordinary Sand (Minor Mineral) with proposed production capacity of 11.2 Lakhs TPA (ROM) by M/s Arjun Singh, located at Revenue village (s) – Govindgarh, Akhepura, Jaswantpura, Pisangan, Budhwada, Nuriawas of Tehsil - Pisangan, District-Ajmer, State-Rajasthan (163.4503 ha) (Consultant: Udaipur Mintech Pvt. Ltd.)-Consideration of EC

The proposal of M/s Arjun Singh, is for mining of River Sand, (Minor Mineral) with proposed production capacity of 11,20,000TPA. The mine lease area is located at village (s) – Govindgarh, Akhepura, Jaswantpura, Pisangan, Budhwada, Nuriawas, Tehsil – Pisangan & District – Ajmer of State Rajasthan in the mine lease area of 163.4503 ha. The applied area is divided into two blocks – Saraswati Nadi Block I – 51.3618 ha and Sagarmati Nadi Block II – 112.0885 ha. The mine lease area lies on the River bed of Saraswati River & Sagarmati River. The Latitudes and Longitudes of the mine lease area lies between 26°27'23.63" to 26°27'36.75"N and 74°23'42.90" to 74°25'14.18"E in block I & 26°22'16.96" to 26°21'57.32"N and 74°26'01.10"E to 74°28'03.70" E in block II on Survey of India Topo sheet numbers 45J/6, 7 & 11. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee (mining) in its meeting held during 31st October, 2013 to 01st November, 2013, for undertaking detailed EIA study. The TOR was issued by MOEF vide letter no. J-11015/326/2013-IA.II (M) dated 22nd November, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking Environmental Clearance after conducting Public Hearing.

The mine lease area is 163.4503ha which is River bed of Saraswati River and Sagarmati River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand, over an area of 163.4503ha has been granted by the Government of Rajasthan, vide letter no. Anikha/jai/aj/bajri/khp-13/2013/884 dated 18.04.2013 for the period of 5 years. The Mining Plan has been approved by Suptdg, Mining Engineer, Ajmer vide letter no. SME/AJ/MP/4084 dated 18.11.2013.

Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Channel whichever is reached earlier. About 118.0 ha area will be used for excavation, 0.36 ha. for development of road and 25.0 ha for the green belt development. The site elevation is 390mRL –397mRL. The Ground water depth is 20 to 25m bgl. The total water requirement is 20 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by dug wells through water tankers & river water of applied area., no ground water interception during the mining operations is envisaged.

Mining will be done leaving a safety distance from the banks. Mining will be done only during day time and completely stopped in monsoon season. No mining will be

done in the zone of 100m on either side of the structure/bridge. 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 through road. The Traffic Analysis survey has been made & it reveals that 182 no. of trucks will be deployed per day (22 tonnes capacity each) which increase 364 PCUs per day and the level of service (LOS) remains up to "A" & "B". Roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at all the sensitive places.

PP reported that there is no National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). There is one Protected Forest and one Reserved Forest. The baseline data was generated for the period during Dec. 2013 to Feb 2014. All the parameters for water and air quality were within permissible limits. There is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was held on 17/09/2014 at 11.00 am at Rajeev Gandhi Sewa Kendra, village – Govindgarh, Tehsil Pisangan, District Ajmer, Rajasthan. The Public Hearing was presided over by Mr. Yashoda Nandan Srivastava, Additional District Collector II. The representatives from the Rajasthan 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. Action Plan with budgetary provisions has been made.

The cost of the Project is Rs. 66.0 Lakhs. The Proponent has earmarked Rs 18.0 Lakhs towards Environmental Protection Measures and Rs. 9.0 Lakhs per annum towards recurring expenses. Rs. 10.0 Lakhs have been earmarked towards CSR activities for next five years of mining operation. In accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~3,47,742 Tonnes of Bajri has been made during Dec. 2013 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 11.20 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.23). River Bed mining project of Bajri (Minor Mineral) with proposed production capacity of 7.5 Lakhs TPA (ROM) of Bajri by M/s Indrajeet Singh Jhala, located at Revenue village(s) Parpapili, Mundla, Bishniya, Chaumahla, Gangdhar, Malharganj, Pipakheri, Uncha bardlya of Tehsil - Gangadhar, District-Jhalawar, State-Rajasthan (1179.84ha)(Consultant: Udaipur Mintech Pvt. Ltd.)-Reconsideration of EC

The proposal of M/s Indrajeet Singh Jhala is for River Bed mining project of Bajri (Minor Mineral) with production capacity of 7.5 Lakh TPA (ROM) of Bajri. The mine lease area is located at near villages: Parapili, Mundla, Bishniya, Chaumahta, Gangdhar, , Pipakheri, Uncha Bardlya, Lakha kheri parmar, Chiri, Sarwar, Magal, Unhel, Kishangarh, Karmakheri, Chara, Tonkra, Tehsil-Gangdhar and Distt.- Jhalawar, Rajasthan over an area of 1179.84ha. Proposed production of Bajri is 7,50,000 TPA.

The proposal of EC was earlier appraised by the EAC in its meeting held during December 10-11, 2014 where in the EAC sought the following documents/ clarification for further decision on matter:-

- (i) Date wise AAQ data has not been submitted by the PP, which may be furnished;
- (ii) The Committee noted that compliance of TOR no. 20 & 21 with regard to wind rose diagram and Isopleth was not adequately addressed by the PP, this may be done;

- (iii) The Committee noted that in compliance with TOR no. 27, the required details with regard to the stream passing through the MLA may be furnished:
- (iv) Committee desired in compliance with TOR no. 35, expected implications with regard to Public Health may be adequately addressed and details given;
- (v) One Schedule-I species namely Peacock was recorded, PP may submit the Conservation Plan, duly approved by the concerned Chief Wild Life Warden;
- (vi) Action Plan with budgetary provisions on issues raised during Public Hearing was not found satisfactory. The Action Plan as required may be given. The damaged Bridge for People's access may be restored as raised by Public during PH.;
- (vii) Action Plan for ensuring good occupational environment for mine workers may be submitted based on Recommendations of any Nationally reputed Institute; Both specific and Generic preventive measures may be elaborated in the Action Plan; and
- (viii) There is one Rare, Threatened and Endangered (RET) Plant Species i.e. *Asparagus racemosus*, which needs to be conserved and a Plan for multiplication of such species may be submitted as agreed to.

In this context, the Project Proponent vide letter dated 15/01/2015 has submitted the information /clarification and accordingly the proposal is considered in the present meeting. The point-wise explanation of the queries is given by the Project Proponent as below:-

- (i) Data wise AAQ data has been submitted.
- (ii) Wind rose diagram and isopleth has been submitted.
- (iii) No proposal for modification of any stream because working is proposed in the blocks which remains dry except the monsoon season & during rainy season mine operation will be closed.
- (iv) Public health implication of the project and related activities for the population in the impact with mitigation measures has been submitted. An amount of Rs 10 Lakhs has been earmarked for next five years of mining operation for undertaking different socio economic activities in the area. An amount of Rs 2.0 Lakhs/annum has been earmarked for occupational health.
- (v) Conservation plan of peacock approved by CWLW has been submitted. An amount of Rs. 1.5 Lakhs/year has been earmarked for next five years of mining operation for peacock conservation.

- (vi) Action plan with budgetary provisions on issue raised in PH has been submitted. During Public hearing reply for the bridge in chaumula it comes under Public Work Department not in applied lease area. Hence, it will be repaired by Public Work Department detail is given in point no -3 of Public Hearing proceedings.
- (vii) Action plan has been submitted for good occupational environment as per recommendation of DGMS Guidelines.
- (viii) Cultivation plan for *Asparagus racemosus* has been submitted. An amount of Rs.21,000/year has been earmarked for cultivation for Species.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand Bajri with proposed production capacity of 7.5 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.24). Chippilangsu Silimanite Mine with production capacity of 1,50,000 TPA (ROM) by M/s Spectrum Meghalaya Cement Co. Pvt. Ltd., located at

**Village-Chippilangsu & Hapjan, District- Karbi Anglong, Assam (100ha)
(Consultant: Udaipur Mintech Pvt. Ltd.)-Reconsideration of EC**

The proposal of EC was earlier appraised by EAC in its meeting held during November 13-14, 2014 wherein the EAC asked to submit Revised EIA /EMP report for further Decision on the matter.

The Proposal of M/s Spectrum Meghalaya Cement Co. Pvt. Ltd, is for mining of Silimanite with proposed production capacity of 1,50,000 TPA(ROM) The mine lease area is located near village-Chippilangsu & Hapjan District – Karbi Anglong, State Assam in the lease area of 100.0Ha The Latitude and Longitude of the mine lease area lies between 26°11'34" to 26°12'01" N to 93°13'31" to 93°14'03" E on Survey of India Toposheet number 83F/4 the project is located in Seismic Zone-V.

The proposal of TOR was considered by the Expert Appraisal committee in its meeting held during 16th -18th January, 2013.to determine the Term of Reference for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. 11015/315/2012-IA.II (M) Dated 20th March.2013.The proponent submitted the EIA/EMP Report online to ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 100 ha. No forest land is involved. Letter of intent (LOI) for grant of mining lease for mineral Silimanite, over an area of 100Ha has been granted by the Government of Assam vide letter no PEM 6/2010/70 dt. 02.03.2012. Mining plan with progressive mine closure plan was approved vide Govt. letter No.- IBM / GHU / AS / KA / SILL/MP-65dated 08/07/2014. Life of mine is 29 Years.

Mining is by semi mechanized opencast method with drilling & blasting maintaining the bench height of 3.0 m and upper benches are to be kept about 6-8 mtrs. ahead of subsequent low bench to facilitate the movement of trucks for lifting the material from the mine. The individual bench slope will be 80° from vertical. About 12.60 ha area will be used for excavation, 0.924 ha for road, 0.050 ha for infrastructure and 31.61 ha for green belt development. The site elevation is 335 mRL- 455mRL. The ground water depth 105 to 110mbgl. The total water requirement is 10 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be mate by dug wells & tube wells no ground water interception during the mining operations is envisaged. Mining will be done only during day time only. Mineral will be transported through road. The Traffic Analysis survey has been made & it reveals that 15 no of dumpers will be deployed per day which increase 30 PCU per day.

There is No National Parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger / Elephant reserves existing within the applied lease area. There is one

reserve forest in study area. There are four Schedule-I species namely Monitor Lizard, Python, Capped Langur and Hoolock gibbon. The species specific Conservation Plans were prepared along with budgetary allocation. The Committee deliberated the Conservation Plan and seems adequate.

The base line data was generated for the period during March to May, 2013. All the parameters for water and air quality were within permissible limits. There is no R&R plan applicable for this project as there is no human settlement in the applied lease area. Public Hearing for the proposed project was held on 29.01.2014, at Bonghomthari L.P. School, Village. – Lumba Terongaon (Chippilangsu), Phuloni, District – Karbi Anglong, Assam. The Public Hearing was presided over by Shri B.C. Das. ACS. (ADC) Karbi Anglong District Diphu Assam, 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. Action Plan with budgetary provisions has been made.

The cost of the Project is Rs. 45.0 Lakhs. The Proponent has earmarked Rs 20.0 Lakhs towards Environmental Protection Measures and Rs. 4.85 Lakhs per annum towards recurring expenses. Rs. 2.0 Lakhs/year have been earmarked towards CSR activities for next five years of mining operation.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Silimanite with production capacity of 1,50,000 TPA (ROM).

The Committee 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) 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) Transport of mineral will not be done through any of the villages; (iv) 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; (v) 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;

(vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Assam and other Court of Law, if any.

(2.25). Mining of River Sand (Bajri) with proposed production capacity of 26.40 Lakh TPA (ROM) by M/s Bharat Singh Shekhawat, located at Revenue villages of Tehsil – Sirohi, District– Sirohi, Rajasthan (MLA-2527 ha)- [Consultant-Ramji Mine Envirotech-Stay Order no. 36006 dated 23.09.2013 in the matter of SB Civil Writ Petition No. 17905 of 2013 Rajasthan High Court]-Consideration of EC.

The proposal of M/s Bharat Singh Shekhawat is for mining of Bajri (Minor Mineral) with proposed production capacity of 26.40 Lakhs TPA (ROM). The mining lease area is located at Revenue villages of Tehsil – Sirohi, District– Sirohi, Rajasthan in the mine lease area of 2527 ha. The Mining lease area lies on Krishanawati River, Bandi River, Kapalganga River and MaunguNadi. The geographical extends of mining lease area are: KapalgangaNadi - Latitude: 24° 54' 37.18" N to 24° 54' 27.92" N, Longitude: 72° 29' 52.97" E to 72° 35' 30.08" E, BandiNadi- Latitude: 24° 46' 37.61" N to 24° 49' 34.67" N, Longitude: 72° 29' 46.59" E to 72° 30' 58.26" E, Krishnawati Nadi- Latitude: 24° 47' 27.32" N to 25° 04' 31.01" N, Longitude: 72° 41' 54.84" E to 72° 46' 20.45" E, MaunguNadi- Latitude: 24° 54' 21.38" N to 24° 58' 36.48" N, Longitude: 72° 36' 45.39" E to 72° 38' 17.86" E on survey of India toposheet no 45 C/12, 45D/9, 45D/11, 45D/5. The project is located in seismic zone-II.

The Committee **has not received the copy of EIA/EMP Report on time.** The Committee noted that the EIA/EMP Report has not addressed all baseline as well as other environmental parameters adequately. The EIA/EMP Report has not been prepared in-line with the Annexure-III of EIA Notification, 2006. There are several deficiencies viz. (i) PP has not done the replenishment study; (ii) List of flora/fauna and endangered species are not accurate; (iii) There are Schedule I species, however the conservation plan has not been prepared; (iv) The EIA/EMP Report has different contents than the presentation made during the EAC; (v) Online EIA/EMP Report and hard copy submitted are different; (vi) Organization Structure is not adequate; (vii) Action Plan along with budgetary provisions on the issues raised during Public Hearing are not prepared adequately; (viii) There is no page numbers mentioned in the EIA/EMP Report; (ix) Forest land and Aravali NOC has not been submitted; (x) Geological profile of the area does not have the required details (and may have to be

furnished afresh); (xi) Traffic management study has not been made and cumulative joint traffic study is to be made as other mines are located nearby; (xii) Questionnaire has not adequately addressed w.r.t. s. no. 4 and 28.2 etc.; and (xiii) details of Action Plan for occupational health of the workers has not been furnished.

The Committee **concluded that the Project Proponent needs to revise the EIA/EMP report and also set right the above said deficiencies.** The Committee therefore **rejected** the proposal as submitted, and will reconsider the Proposal only after a revised *EIA/EMP report is received*. The revised EIA/EMP Report must mention all the details in due compliance with Manuals, Standards, Office Memoranda and Guidelines issued by the Ministry from time to time. The Committee was also of the view that the Consultant has not followed the Manuals, Standards, Office Memoranda and Guidelines in preparing the EIA/EMP Report and in submitting documents to EAC Members. The EAC members have found it difficult to appraise the Project. The Committee observed that the Consultant and also the Project Proponent should not have submitted such a deficient Proposal causing delay in appraisal of Proposal and wasting the time of the Committee.

(2.26). Mining of Mineral – River Sand (Bajri) with production capacity of 28.05 Lakh TPA (ROM) by M/s Mangal Singh Solanki, located at Revenue villages of Tehsil – Sheoganj, District – Sirohi, Rajasthan (1414 ha) [Consultant-Ramji Mine Envirotech-Stay Order no. 36006 dated 23.09.2013 in the matter of SB Civil Writ Petition No. 17905 of 2013 Rajasthan High Court]-Consideration of EC.

The proposal of M/s Mangal Singh Solanki, is for mining of Bajari (Minor Mineral) with proposed production capacity of 28.05 lakhs TPA (ROM). The mining lease area is located in village (s) – AkhapuraKhuni and others, Tehsil- Sheoganj, District - Sirohi (Rajasthan) in the mine lease area of 1414ha. The Mining lease area lies on Sukari River, Khari River, Jawai River. The geographical extends of mining lease area are: Sukari River- Latitude: 24°59'33.19" N to 25° 8'52.08"N, Longitude: 72°59'26.61"E to 72°59'28.53" E. Khari River- Latitude: 25°01' 57.59"N to 25° 6'33.59'7" N , Longitude: 72°43'0.45" E to 72°47'58.02E , Jawai River - Latitude: 25° 7'12.94"N to 25°09'43.14" N , Longitude: 73°02'50.44" E to to 73° 5'57.82"E on survey of India toposheet no. 45 C/12, 45 C/16, 45 G/4. The project is located in seismic zone-II.

The Committee **has not received the copy of EIA/EMP Report on time.** The Committee noted that the EIA/EMP Report has not addressed all baseline as well as other environmental parameters adequately. The EIA/EMP Report has not been prepared in-line with the Annexure-III of EIA Notification, 2006. There are several deficiencies viz. (i) PP has not done the replenishment study; (ii) List of flora/fauna and endangered species are not accurate; (iii) There are Schedule I species, however the conservation plan has not been prepared; (iv) The EIA/EMP Report has different contents than the presentation made during the EAC; (v) Online EIA/EMP

Report and hard copy submitted are different; (vi) Organization Structure is not adequate; (vii) Action Plan along with budgetary provisions on the issues raised during Public Hearing are not prepared adequately; (viii) There is no page numbers mentioned in the EIA/EMP Report; (ix) Forest land and Aravali NOC has not submitted; (x) Geological profile of the area does not have the required details (and may have to be furnished afresh); (xi) Traffic management study has not made and cumulative joint traffic study is to made as the other mines are located nearby; (xii) Questionnaire' has not adequately addressed w.r.t. s. no. 4 and 28.2 etc.; and (xiii) details of Action Plan for occupational health of the workers has not been furnished.

The Committee **concluded that the Project Proponent needs to revise the EIA/EMP report and also set right the above said deficiencies.** The Committee therefore **rejected** the proposal as submitted, and will reconsider the Proposal only after a revised *EIA/EMP report is received*. The revised EIA/EMP Report must mention all the details in due compliance with Manuals, Standards, Office Memoranda and Guidelines issued by the Ministry from time to time. The Committee was also of the view that the Consultant has not followed the Manuals, Standards, Office Memoranda and Guidelines in preparing the EIA/EMP Report and in submitting documents to EAC members. The EAC members have found it difficult to appraise the Project. The Committee observed that the Consultant and also the Project Proponent should not have submitted such a deficient Proposal causing delay in appraisal of Proposal and wasting the time of the Committee.

(2.27). Mining of Mineral – River Sand (Bajri) Mine with proposed production capacity of 28.05 Lakh TPA (ROM) by M/s Sher Singh Solanki, located at Revenue village(s) of Tehsil–Reodar, District – Sirohi, Rajasthan (1286ha)- [Consultant-Ramji Mine Envirotech-Stay Order no. 36006 dated 23.09.2013 in the matter of SB Civil Writ Petition No. 17905 of 2013 Rajasthan High Court]-Consideration of EC.

The proposal of M/s. Sher Singh Solanki, is for mining of Bajri (Minor Mineral) with proposed production capacity of 28.05 Lakhs TPA (ROM). The mining lease area is located at Revenue villages of Tehsil- Reodar, District – Sirohi, Rajasthan in the mine lease area of 1286 ha. The Mining lease area lies on River Sipu and Sukari. The geographical extends of mining lease area are: Latitude: 24° 31' 13.65" N to 24° 41' 27.02" N, Longitude: 72° 25' 04.32" E to 72° 42' 27.86" E on survey of India toposheet no 45 D/6, 45 D/10. The project is located in seismic zone-II.

The Committee **has not received the copy of EIA/EMP Report on time.** The Committee noted that the EIA/EMP Report has not addressed all baseline as well as other environmental parameters adequately. The EIA/EMP Report has not been prepared in-line with the Annexure-III of EIA Notification, 2006. There are several deficiencies viz. (i) PP has not done the replenishment study; (ii) List of flora/fauna and endangered species are not accurate; (iii) There are Schedule I species, however the conservation plan has not prepared; (iv) The EIA/EMP Report has different

contents than the presentation made during the EAC; (v) Online EIA/EMP Report and hard copy submitted are different; (vi) Organization Structure is not adequate; (vii) Action Plan along with budgetary provisions on the issues raised during Public Hearing are not prepared adequately; (viii) There is no page numbers mentioned in the EIA/EMP Report; (ix) Forest land and Aravali NOC has not submitted; (x) Geological profile of the area does not have the required details (and may have to be furnished afresh); (xi) Traffic management study has not made and cumulative joint traffic study is to made as the other mines are located nearby; (xii) Questionnaire' has not adequately addressed w.r.t. s. no. 4 and 28.2 etc.; and (xiii) details of Action Plan for occupational health of the workers has not been furnished.

The Committee **concluded that the Project Proponent needs to revise the EIA/EMP report and also set right the above said deficiencies.** The Committee therefore **rejected** the proposal as submitted, and will reconsider the Proposal only after a revised *EIA/EMP report is received*. The revised EIA/EMP Report must mention all the details in due compliance with Manuals, Standards, Office Memoranda and Guidelines issued by the Ministry from time to time. The Committee was also of the view that the Consultant has not followed the Manuals, Standards, Office Memoranda and Guidelines in preparing the EIA/EMP Report and in submitting documents to EAC members. The EAC members have found it difficult to appraise the Project. The Committee observed that the Consultant and also the Project Proponent should not have submitted such a deficient Proposal causing delay in appraisal of Proposal and wasting the time of the Committee.

(2.28). Mining of Sand (Minor Mineral) with proposed production capacity of 2.80 Lakh TPA (ROM) by M/s Narrotham Singh Jadaun, located at Revenue Villages viz. Nogama, Emri, Bhatoli, Amloi, Mohi, Pipaliacharyan, Barliya, Chhaparkheri, Khatamala, Dhanyala, Ummedpura, Karera, Deviyokamerda and Arawaraof Tehsil and District-Rajsamand, Rajasthan (489.39ha)(Consultant-Enviro Concept (I) Pvt. Ltd.)-Consideration of EC

The Proposal of M/s Narrotham Singh Jadaun is for Mining of Sand (Minor Mineral) with proposed production capacity of 2.80 Lakh TPA (ROM). The mine is located at Revenue Villages viz. Nogama, Emri, Bhatoli, Amloi, Mohi, Pipaliacharyan, Barliya, Chhaparkheri, Khatamala, Dhanyala, Ummedpura, Karera, Deviyokamerda and Arawaraof Tehsil and District-Rajsamand, Rajasthan in the MLA of 489.39ha. The geographical extents of mining lease area are Latitude: 25°00'20.6" N to 25°13'33.7" N and Longitude: 73°49'26.6" E to 74°00'28.2" E. The Project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee (Non- Coal Mining) in its meeting held during 21st -23th August, 2013 to determine the terms of reference (TOR) for undertaking detailed EIA. TOR has been issued by MOEF&CC, vide letter no. J-11015/227/2013-IA.II (M) dated 15.10.2013. The Proponent submitted the EIA/EMP Report online to the Ministry for seeking environmental clearance after

conducting Public Hearing.

The Letter of Intent (LOI) has been issued by Department of Mines and Geology vide letter dated 05-03-2013. Mining plan and Progressive Mine Closure Plan has been approved by Dept. of Mines & Geology, Rajasmand Circle- Rajasmand, Rajasthan in favor of Mr. Narrotham Singh Jadaun, vide letter no. SME/Raj-Cir/Minor/Bajari/Raj-2/F-SMEUDR-2/2013/603 dated 11.12.2013.

The proposed project is an open-cast semi-mechanized, confined to excavation of sand from the lease area, consist of 489.39 ha in a stretch of 50.0 km. It is proposed to work in 05 blocks namely A, B, C, D & E. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River bed whichever is reached earlier. The total mineable reserves are estimated 172.20 Lakhs Tonnes and anticipated production is only 2.80 Lakhs tonnes per annum, 7.5 m offset left in both side of river bank and 45.0 m radius will be restricted for the any permanent structures as a safety zone. 7.5 m offset left in the banks of lease boundary to protect banks from collapse/scouring. The lease area has flat topography with 610 to 512 MSL elevation of the leasehold area. The total water requirement is 3.0 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply.

Baseline studies were carried out during October-2013 to December-2013. All parameters for air (PM₁₀, PM_{2.5}, SO₂, NO₂& CO) and Mineralogical composition for the PM₁₀ for free silica, water, soil & noise quality were within the prescribed limits. The Committee noted that the sampling location is not adequate and one month data needs to be conducted. PP reported that there is no National Park, Wildlife Sanctuary, Tiger/Elephant Corridors, Migratory Route for birds etc. found within 10 km periphery of the lease area. There are seven protected forest and two unclassified forest exist within the study area. There are some threatened plant species like *Ailanthus excelsa* (Ardu), *Satalum album* (Chandan), *Tecomellaundulta* (Rohira), *Adhatodavasica* (*Adusa*), *Tribulusterrestris* (*Gokhro*) found within the study area. Three *schedule-I* fauna species namely Indian Peafowl (*PavoCristatus*), Panther (*Pantherapardus*), Rock Python (*Python molursus*) were found in study area and their conservation plan has been prepared. The Committee noted that Conservation plan is not adequate and PP needs to revise the same. State Government of Rajasthan, DMG, Rajasmand vide letter no. ME/Raj-2/Bajari/M.L.- 27/2012/2014-15/1426, dated 11.12.2014 has confirmed that the lease does not fall in Aravali range.

Public Hearing was conducted at 3:00 PM on 26.11.2014 in the premises of Panchayat Samiti Office, Tehsil & District: Rajasamand. The Public Hearing was presided over by Shri Govind Singh Ranawat, Additional District Magistrate, ZilaParishad, Rajasamand. The representatives of Rajasthan State Pollution Control Board were also present. Total cost of the project is Rs. 65 Lakhs. The Project

Proponent has earmarked Rs. 12.5 Lakhs per year towards cost for Environmental Protection Measures. The PP has earmarked Rs. 4.60 Lakhs per year towards CSR activities. A sum of Rs. 55,000 per year earmarked for the occupational health & Safety of the workers.

The Committee deliberated the issues and **deferred** the proposal and sought the following information for further consideration:

- (i) The Committee noted that the sampling locations are not adequate and one month baseline data needs to be re conducted and submitted;
- (ii) Three *schedule-I* fauna species namely Indian Peafowl (*PavoCristatus*), Panther (*Pantherapardus*), Rock Python (*Python molurus*) were found in study area and their conservation plan has been prepared. The Committee noted that Conservation plan is not adequate and PP needs to revise the same.
- (iii) Revised list of green belt development programs;
- (iv) Lake is 150 m from the MLA. Mitigation measure need to be submitted; and
- (v) Revised Action Plan along with budgetary provisions on the issues raised during the Public Hearing needs to be submitted.

(2.29). Mining of Mineral – Bajri with production capacity of 92.625 Lakh TPA (ROM) by M/s Parasmal Ganchi, located at Revenue villages of TehsilPindwara, District - Sirohi, Rajasthan (588.14 ha)-[Consultant-Ramji Mine Envirotech-Stay Order no. 36006 dated 23.09.2013 in the matter of SB Civil Writ Petition No. 17905 of 2013 Rajasthan High Court]-Consideration of EC.

The Committee **deferred** the proposal as the PP vide email dated 25.05.2015 requested to defer the proposal as they are unable to attend the meeting.

(2.30).Mining of Mineral-Bajri with proposed production capacity of 32.0 Lakhs TPA (ROM) by M/s Satya SwaroopSingh Jadaun, located at Revenue villages of Tehsil- Jaswantpura, District-Jalore, Rajasthan (4710ha) (Consultant: Consultant VardanEnvironet)-Consideration of EC

The proposal of Shri Satya Swaroop Singh Jadaun S/o Shri Bhagwan Singh is for mining of Bajri (Minor Mineral) with production capacity of 32.0 Lakhs TPA (ROM) of Bajri. The mine is located at Revenue villages of Tehsil- Jaswantpura, District-Jalore, Rajasthan in mine lease area of 4710 ha. The mine lease area lies on Bandi, Rel&Dhani River bed. The lease area falls in the Survey of India Toposheet No. 45 C/8, 45 C/4, 45 D/1 & 45 D/5.

Latitudes	24°47'39.75"N	24°57'50.428"N	25°13'39.954"N	25°3'12.369"N
Longitudes	72°27'54.17"E	72°37'15.439"E	72°24'29.641"E	72°20'7.188"E

The proposal was considered by the Expert Appraisal Committee in its Meeting held during 31st October-1st November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by MoEF vide letter No. J-11015/376/2013-IA.II (M), dated 22nd November, 2013. The proponent submitted EIA/EMP online to the Ministry for seeking environmental Clearance after conducting Public Hearing.

The total mine lease area is 4710 ha GairMumkinNadiNala (Government Land) which non-forest land. Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of sand deposit and not less than one meter from the water level of the River channel whichever is reached earlier.

The Letter of Intent (LOI) of mining lease was granted vide letter no. प.8(26)खान/गुप-2/13, dated 10th May 2013 for 5 years by Department of Mines & Geology, Rajasthan. Total water requirement for the project will be 30.5 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply from existing bore-wells/ tube wells of nearby villages. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

PP reported that No National Parks or Sanctuary falls in the study area. However, Sundha Mata Conservation Reserve falls at a distance of 2.8 Km from the mine lease area in the buffer zone. The applicant has submitted an application to Deputy Director (Wildlife), MoEFCC, for grant of clearance from NBWL Standing Committee on dated 27.12.2014. The Committee noted that two Schedule I species namely Sloth Bear and Indian Peafowl were reported. However the species specific conservation plan needs to be submitted by the PP.

Baseline data has been collected from October-December, 2013. All the parameters for water, soil, noise and air quality were within permissible limits. The Public Hearing for the proposed Project was conducted on 26th August 2014 in Panchayat Samiti Bhawan, Jaswantpura, District-Jalore. The Public Hearing was presided by Shri Asha Ram Dudi, Additional District Magistrate, Jalore. 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 cost of the project is Rs. 12.65 Crores. Cost for Environmental Protection is Rs. 35 Lakhs (capital cost) and Rs. 14 lakhs (recurring cost) inclusive of Budget for occupational health is Rs. 6.0 Lakhs (capital cost) and 2.0 lakhs (recurring cost). For CSR Rs. 25 lakhs/annum will be allocated. Budget for Wildlife Conservation is Rs. 9.5 lakhs spread over 5 years. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~ 357974 Tonnes of Bajri has been made during December 2013 to February 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the proposal for environmental clearance for Mining of Mineral Bajri with proposed production capacity of 32.0 Lakhs TPA (ROM) **subject to submission of Schedule I species specific conservation plan along with budgetary provisions.**

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.31). Mining of River Sand (Minor Mineral) with proposed production capacity of

66.0 Lakh TPA (ROM) by M/s Shree Mateshwari Minerals, located at Revenue villages of Tehsil-Khetri, Buhana&NeemKa Thana, District-Jhunjhunu and Sikar, Rajasthan (MLA 1936.13ha) (Consultant: PerfactEnviro Solutions Pvt. Ltd.)-Consideration of EC

The proposal of M/s Shree Mateshwari Minerals is for mining of River Sand (Minor Mineral) with proposed production capacity of 66.0 Lakhs TPA (ROM). The mine lease area is located at village Alipur, Udamandi, Kudhaniya, Kudadwaas, Churina, Jaitpur, Dumoli Kalan, DumoliKhurd, Dhana, DhaniSihodiyana, Pacheri Kalan, PacheriKhurd, Puhaniya, Banwas, Bhodan, Muradpur, Majri, Ramsar, Ajay Nagar, Ajitpura, Ashok Nagar, Kanakrai, Kurand, Kankriya, Kali Pahadi, Kalota, Kishanpura, Kolyali, Ganeshpura, Gudineecha, Gadrata, Gothra, Godhanpura, Gaureer, Govindaspura, Khetri, Kharkada, Khatipura, CharanSinghpura, Charawas, Chirani, Chichdoli, Jmalpura, Jsrapur, Jhujharpur, Tiba, Tilawali, Thathwadi, Dadafatepura, DhaniIlasar, DhaniDhima, DhaniBada, DhaniBhajawali, Thosi, Tyonda, Tajija, Taal, Tihara, Dudhwa, Delalpur, Dalota, Devta, Devnagar, Dheerajpura, Nayikothi, NangliDaledi, Nayanagar, Nangliya, NangliyaGujrawas, NanuwaliBawdi, Naalpur, Naurangpura, Padewa, Papurana, Pratappura, Pratibhanagar, Badau, Bnadha Ki Dhani, Babai, Burka, Basai, BasantVihar, Besarda, Bahalwan Nagar, Bankori, Bagora, Badalwas, Bansiyal, Bilwa, Bhitara, Mukandpura, Mandawa, Mehadajatuwas, Madhogarh, Mandari, Manota Kalan, ManotaKhurd, ManotaJatan, Modki, Modi, Roopawas, Rawa, Rasulpur, Rajota, Ramkumarpura, Ramnagar, Rampura, Rodasar, Rojda, Sehlanaka baas, Laalgarh, Loyal, Hardiya, Harinagar, Shyampura, Krishnanagar, Shree Sardarpura, Shimla, Sanjay Nagar, Sunari, Sefraguwar, Sardarpura, Sihod, Dabla, Tehsil- Khetri, Buhana&Neemka Thana, District - Jhunjhunu and Sikar (Rajasthan) in the mine lease area of 1936.13 ha. The mine lease area lies on PawatiNala, Kantli River, Dohan River, Chandrawati River, SukhNadi River bed. The Latitudes and Longitudes of the mine lease area lies between 27⁰47'32.9543"N to 28⁰09'22.4295"N and 75⁰42'3.8245"E to 76⁰05'0.0945"E on Survey of India toposheet numbers 44 P/11, 44 P/12, 44 P/15, 44P/16, 45 M/1, 45 M/5, 45 M/9, 45 M/13, 53 D/3, 53 D/4 and 54 A/1. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 12th EAC meeting 31st October, 2013 to 01st November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter NoJ-11015/379/2013-IA.II (M) dated 22nd November, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1936.13ha which is PawatiNala, Kantli River, Dohan River, Chandrawati River, SukhNadi River bed. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand over an area of 1936.13 ha has been granted by the Govt. of Rajasthan, vide letter No No P-7(23)/Khan/Group-2/13 dated 13/06/2013 for the period of 5 year. The Mining Plan is

approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no.8212/Mine Plan, dated 18.03.2014.

Mining is by Semi-Mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 725 ha area will be used for excavation, and 12.5 ha for the green belt development. The site elevation is 398 mRL – 315 mRL AMSL. The Ground water depth is 20 m bgl in pre-monsoon season and 16 m bgl in post-monsoon season. The total water requirement is 19 KLD including water demand for domestic purpose, dust suppression and plantation development 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.

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. No ponding will take place. Mining will be done only during day time and completely stopped 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 plan.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 997 per day (20 tonnes capacity each) which increase 8973 PCUs per day (to and fro) and the level of service (LOS) remains upto "A" ,"B" & "C". 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 falls within the study area (10 km radius of the mine boundary). There are six protected forest and one reserve forest. State govt. of Rajasthan vide letter no. 420 dated 22.05.2015 has confirmed that the lease does not fall in Aravali Range.

The baseline data was generated for the period during December 2013 to February 2014. 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 River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 02/07/2014 at 11:00 A.M. at Tehsil – Khetri, District – Jhunjhunu(Rajasthan) The Public hearing was presided over by Dr. Arushi Malik, Additional District Collector II. The representatives from the Rajasthan 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. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submit to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 7.0 Crores. The Proponent has earmarked Rs. 3 Lakhs towards Environmental Protection Measures and Rs. 26 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 26 lakh have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~ 28,23,527 Tons of Bajri has been made during December 2013 - march 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri with proposed production capacity of 66.0 Lakhs TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC 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; (viii) Washing of all transport vehicle should be done inside the mining lease;

and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.32). Mining of Bajri (Minor Mineral) with proposed production capacity of 30 Lakh TPA (ROM) by M/s Anil Joshi, located at Revenue villages of Tehsil - Bhinmal, District-Jalore, Rajasthan (2335ha) (Consultant: VardanEnvironet) -Consideration of EC

The proposal of M/s. Shri Anil Joshi is for mining of Bajri (Minor Mineral) with proposed production capacity of 30.0 Lakhs TPA (ROM) of Bajri. The mine is located at Revenue villages of Tehsil - Bhinmal, District-Jalore, Rajasthan in mine lease area of 2335ha. The mine lease area lies on Sukari and Bandi River bed. The Latitudes and Longitudes of the Mine Lease area is as 25° 10' 2.27" to 25° 0' 34.18" N and 72°09'57.20" to 72°22'15.91" E the Survey of India Toposheet No. 45 C/8, 45 C/4, 45 D/1 & 45 D/5.

The proposal was considered by the Expert Appraisal Committee in its Meeting held during 31st October-1 November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF vide letter No. J-11015/340/2013-IA.II (M) dated 22nd November, 2013. The proponent submitted EIA/EMP to the Ministry online for seeking environmental Clearance after conducting Public Hearing.

The total mine lease area is 2335 ha Gair Mumkin Nadi Nala (Government Land) which non-forest land. Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of sand deposit and not less than one meter from the water level of the River channel whichever is reached earlier. The LOI of the mining lease has been granted by Department of Mines & Geology, Rajasthan, vide letter No.- P8(25) Mine/Group 2/13, dated 10th May 2013 for 5 years over an area 2335 ha. Total water requirement for the project will be 57.4 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply from existing bore-wells/ tube wells of nearby villages. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

PP reported that No National Parks or Sanctuary falls in the study area. However, Sundha Mata Conservation Reserve falls at a distance of 8.5 Km from the mine lease area in the buffer zone. The applicant has submitted an application to Deputy Director (Wildlife), MoEFCC, for grant of clearance from NBWL Standing Committee on dated 27.12.2014. The Committee noted that two Schedule I species namely Sloth Bear and Indian Peafowl were reported. However the species specific conservation plan needs to be submitted by the PP.

One season Baseline data has been collected from October-December, 2013. All the parameters for water, soil, noise and air quality were within permissible limits. The Public Hearing for the proposed Project was conducted on 28.08.2014 at 10:00 am at

Vikash Bhawan, SDO Office, Tehsil Bhinmal, District-Jalore, Rajasthan. The Public Hearing was presided over by Shri Asha Ram Dudi, Additional District Magistrate, Jalore. 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 cost of the project is Rs. 15.2 Crores. Cost for Environmental Protection is Rs. 20 lakhs (capital cost) and 10 lakhs (recurring cost), Budget for occupational health is Rs. 5 lakhs (capital cost) and 1 lakhs (recurring cost). For CSR Rs. 20 lakhs/annum will be allocated. Budget for Wildlife Conservation is Rs. 9.5 lakhs spread over 5 years. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~ 6,84,978 Tonnes of Bajri has been made during January 2014 to January 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the proposal for environmental clearance for Mining of Mineral Bajri with proposed production capacity of 30.0 Lakhs TPA (ROM) **subject to submission of Schedule I species specific conservation plan along with budgetary provisions.**

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.33). Kuchmaila Ochre, White Clay and Laterite Mine by M/s Smt. Nirmala Devi Khemka with proposed production capacity of 1,50,000 TPA(ROM), located at Village Kuchmaila, TahsilBirsinghpur, Distt. Satna, Madhya Pradesh (24.587 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)- Consideration of EC

This is Category 'B' Project and the same was already transferred to SEIAA, Madhya Pradesh vide MoEFCC letter dated 05.03.2015. The Committee **asked the PP to follow up with the SEIAA, Madhya Pradesh.**

(2.34). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) River Aasan Lot No. 14/1 with proposed production capacity of 1,60, 000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village- Singhniwala&Sishambada, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand(MLA 18.4ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 1,60,000 TPA (ROM). The mine lease area is located at Village- Singhniwala&Sishambada, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 18.4ha. The mine lease area lies on Aasan River bed. The mine lease area consists of two blocks. The Latitudes and Longitudes of the Block A lies between 30°20'24.28"N to 30°20'15.60"N and 77°51'58.28"E to 77°52'13.89"E and Block B lies between 30°20'11.87"N to 30°20'25.20"N to 77°52'23.34"E to 77°53'7.46"E on Survey of India toposheet numbers 53F-15. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 8th Meeting held during 26th June - 28th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF & CC vide letter No J-11015/141/2013-IA.II, dated 13th 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 18.4 ha which is Aasan 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 18.4 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 18.04.2013 for the period

of 5 year. The Mining Plan is approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1344/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. 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 water level of the River Chanel whichever is reached earlier. Proponent informed that 17.336 ha area will be used for excavation and 1.064 ha for the others (bank stability area). The site elevation is 523m – 511m AMSL. The Ground water depth is 3.5m bgl in pre-monsoon season and 3.0m bgl in post-monsoon season. The total water requirement is 4.0 KLD including water demand for domestic purpose, dust suppression and plantation development 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.

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. No ponding will take place. Mining will be done only during day time and completely stopped 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 plan.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks will be deployed 71 per day (10 tonnes capacity each) which increase 426 PCUs per day (Considering both loaded & empty trucks) 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 falls within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley which is an eco-sensitive area. Interstate boundary between Uttarakhand and Uttar Pradesh is present (approx. 8km in SW) within 10 km radius of the lease area.

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. 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 River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 11.07.2014 at 11.00 am at Panchayat Bhawan Pelio, Nathuwala, Vikasnagar, Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate

(Finance & Revenue), 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. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF & CC every six months.

The cost of the Project is Rs. 13.80 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 5.51 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1,00,000 per annum have been earmarked towards CSR activities for next five years of mining operation. There is no litigation pending against the case.

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 1,60,000 TPA (ROM) in the MLA 18.4 ha.

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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; (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 mineral will not be done through any of 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) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.35). Mining of River Bed Bajri (Minor Mineral) with proposed production capacity of 12.0 Lakhs TPA (ROM) by Shri Jaswant Singh, located at Revenue villages of Tehsil –Raipur, District– Pali (Rajasthan) (ML Area 1677 ha.) (Consultant: J.M. EnviroNet Pvt. Ltd.)-Consideration of EC

The proposal of Shri Jaswant Singh is for mining of River Bed Bajri (Minor Mineral) with proposed production capacity of 12.0 Lakhs TPA(ROM). The mine lease area is located at village (s)-AsanTiloriya, AsanJhilelaw, Babra, Badi Pol, Bagri, Bali, Balupura, Biopala, Bar, Basiya, Belpana, Bheu, Bhawariya, Bheruka Naka, Bichadi, BiratiyaKhurd, BisawasKhurd, BogasaniKhurd, Butiwas, ChandawatonkiDhani, Chog, Chawandiya, Chainpura, Chhapariya, Chitad, Chogat, Deepawas, Devgarh, DevliKhurd, Gholiya, Dhulkot, Dujodiya, GavaliBadiya, Giri, Gopalpura, Hathibhata, Jaitpura, Jhalamand, Jhitda, Jhutha, Konecha, Kaducha, Kala Khurd, Kala kot, Kalaliya, Kanpura, Karanpura, KarmavasMaliyan, Kayabhila, Kesavpura, Kesarpura, KhadaBhaga, KheraMamawas, KheraSendotan, Khokhari, Kolpura, Kotdi, Makdwali, Malni, Manpura, Megdada, Mesiya, Meyapuriya, Mohara, Pipaliya, Ratdiya, Rawaniya, Rawatkhedha, Relda, Sodpura, Shahpura, Sabalpura, Sabalpura-1, Sailpura, Sendra, Shergarh, Shayampura, Singla, Sirma, Sodpura&Sumel, Tehsil-Raipur & District-Pali, Rajasthan in the mine lease area of 1677 ha. The mine lease area lies on the Luni&Sukri River bed. The Latitudes and Longitudes of the mine lease area lies between 25°58'59.14"N to 26°12'0.20"N and 73°54'31.11"E to 74°12'4.94"E on Survey of India toposheet numbers 45 J/4, 45 F/16, 45 K/1, 45 G/13. The Project is located in Seismic zone-II.

The proposal for TOR was considered by the Expert Appraisal Committee in its Meeting held during 25th –27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/270/2013-IA. II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to the Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1677 ha which lies on Luni&Sukri River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand over an area of 1677 ha has been granted by the Govt. of Rajasthan, vide letter No P.8 (5) Mine/Group-2/2013, dated 13.02.2013. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no. SME/Aj/Mining plan/F-103/2013/2198 dated 17.12.2013.

Mining will be by Opencast Manual cum Semi-Mechanized method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter above the water level of the River Channel whichever is reached earlier. The site elevation is 304m – 442m AMSL. Mining will be done leaving a safety distance from the banks. Mining will be done only during day time and completely stopped in monsoon season. No mining will be done in the zone of 45 m on either side of the structure/bridge. There will be construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure. The total water requirement is 80 KLD including water demand for domestic purpose, dust suppression and plantation development which will be met by purchasing from local villagers. No ground water interception during the mining operations is envisaged.

Project Proponent reported that there is no National Park, Biosphere Reserve, Tiger Reserve, Wildlife Corridor etc. fall within the study area (10 km radius of the mine boundary). There are Three Protected Forest and Eleven Reserved Forest. State Government of Rajasthan vide letter no. Kha/Beawar/2013-14/251 dated 28.02.2014 has confirmed that the lease area does not fall in Aravali range. One Schedule I species namely Peafowl was reported in the study area. Conservation plan has been prepared. The Committee deliberated the conservation plan.

The baseline data was generated for the period during October 2013 to December 2013. The analytical results of samples of air and water collected were within permissible limits. The Committee deliberated the baseline data collected.

Public Hearing for the proposed Project was conducted on 08.07.2014 at 11.00 am at Office of Sub-Section Officer, Tehsil Raipur, District Pali, Rajasthan. The Public Hearing was presided over by Shri Brajesh Kumar Chandoliya, Additional District Magistrate, Pali. The representative from the Rajasthan State Pollution Control Board was also present. The issues raised during the Public Hearing were about social and other village development activities, employment & construction of open well for drinking water facilities. Action plan with budgetary allocation has been given against Points raised in Public hearing.

The Capital cost of the Project is Rs 70 Lakhs. An amount of Rs. 10 Lakhs has been earmarked towards Environmental Protection Measures and Rs. 4.0 Lakhs per annum towards recurring expenses. Rs. 5.0 Lakhs have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013 (In Civil Appeal No. 9703-9704 of 2013) production of ~ 2,50,625 Tonnes of Bajri has been made during December 2013 to March 2014 and 6,84,522 tonnes of Bajri has been made during April 2014 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand with proposed production capacity of 12.0 Lakhs TPA (ROM) **subject to submission**

of letter from the State Pollution Control Board / CPCB that the mine lease are falls under critically polluted area or not.

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.36). Mining of Sand (Minor Mineral) in the Mine of "Faridabad Unit-2" with proposed production capacity of 13.692 million TPA (ROM) of Sand by M/s NCR Realtech Pvt. Ltd., located at villages-Shekhpur, Manjhauli, Gharora, Mohna, NanglaMajra, Chandpur, Shahjahanpur, Imammudin-pur, SahapurKhadar, Arwa, Latifpur, Jaffarpur, Chhainsa, Ghorsan. (Block/FBD-2), District-Faridabad, Haryana (655.63ha)- (Consultant: Udaipur Mintech Pvt. Ltd.)- Consideration of EC

The proposal of M/s NCR Realtech Pvt. Ltd. is for mining of Sand (Minor Mineral) with proposed production capacity of 13.692 million TPA (ROM) of sand in the mine

lease area of 655.63 ha. The mine lease is located near village (s) Shekhpur, Manjhauli, Gharora, Mohna, NanglaMajra, Chandpur, Shahjahanpur, Imammudin-pur, SahupurKhadar, Arwa, Latifpur, Jaffarpur, Chhainsa, Ghorsan Tehsil: Faridabad, District: Faridabad, Haryana. The Latitudes and Longitudes of the Manjhouli Block/Fbd-4 are 28°21'31.72" to 28°22'35.84"N and 77°29'18.31"to 77°29'19.10"E, Chandpur Block/Fbd-5 are 28°17'8.80" to 28°20'49.66"N and 77°28'30.24" to 77°29'48.24"N, Mohna Block/Fbd-6 are 28°12'34.24" to 28°16'4.65"N and 77°28'1.08" to 77°28'19.76"E respectively on Survey of India toposheet number 53H07, 53H08(Site), 53H11.53H12. The Project is located in seismic zone-IV. The mine site is located in the interstate boundary of Haryana & UP within 10 Km radius of the lease area.

The proposal of TORs was considered by the Expert Appraisal Committee (Non coal Mining) in its meeting held during March 20-21, 2014 to determine the Term of Reference (ToR) for undertaking detailed EIA study. The ToR were issued by the Ministry vide letter no. J-11015/35/2014-IA.II (M), dated 7thMay, 2014. The Project Proponent submitted the EIA/EMP report to the Ministry online for seeking Environmental Clearance after conducting Public Hearing.

The total mining lease area is 655.63ha which lies on River Bed. Project Proponent has reported that no forest land is involved. The Letter of intent has been issued to M/s NCR Realtech Pvt. Ltd. by Director of Mines & Geology, State Govt. of Haryana, Chandigarh vide letter no. DMG/Hy/Fbd Unit- 2/2013/137, dated 03.01.2014. Mining Plan and Progressive Mine Closure Plan for the proposed sand has been approved by Director of Mines & Geology, State Govt. of Haryana vide letter No. DMG/HY/Cont/FBD-2/MP 5373 dated 24.11.2014. The mineable reserves are 1, 06, 70,100 MT. Proponent informed that 456.40 ha area will be used for excavation, 0.0 ha for Infrastructure, 50ha for green belt development and 199.23 ha area will be the others (undisturbed area).

Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Extraction of material will be done only during the day time and will be completely stopped during the monsoon season. Mineral will be sorted and transported through trucks. Total water requirement for the Project is 29 KLD which will be sourced from ground water within lease area.

Project Proponent reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves, Reserved Forests or Protected Forests within 10 km radius of mine site. Two Schedule-I species namely Peacock and Indian Gazella were reported within buffer zone for which a Conservation Plan along with budgetary allocations has been prepared and submitted to Divisional Wildlife Officer, Gurgaon. The Committee deliberated on the conservation plan and noted that the conservation plan is adequate to protect the Schedule-I species. Project Proponent reported that the Mining lease does not fall in Aravali hill range as per the Notification 1992.

The baseline data was collected for the period during summer Season i.e. March to May, 2014. All the parameters for air quality were within permissible limits. The Public Hearing for the proposed Project was conducted on 29th December, 2014 at 11:00 AM at Mine Site, Village: Gurasan Tehsil: Faridabad, District: Faridabad, Haryana. The Public Hearing was presided over by Shri Amit Aggarwal, Deputy Commissioner, Faridabad. The representative from Haryana Pollution Control Board was also present. The issues raised during Public Hearing were discussed during the meeting; PP has submitted an Action Plan for each question raised along with the budgetary provisions.

Total cost of the Project is Rs. 5.0 Crores. The Project Proponent has earmarked Rs. 27.50 Lakhs for Environmental Protection Measures towards capital cost and Rs. 5.50 Lakh per annum towards recurring cost. Project Proponent has earmarked Rs. 40 Lakhs/- towards CSR activities. PP has submitted an undertaking to undertake CSR activities in nearby villages and to plant species as per requirements of the locals. Project Proponent reported that there is a Court case before the Hon'ble High Court of Punjab & Haryana in CWP No. 27700 of 2013 which is also mentioned in the LoI letter issued by the Mines & Geology Department of State Govt. of Haryana.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Sand (Minor Mineral) with proposed production capacity of 13.692 million TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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. Implementation of the Recommendations of National Labour Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of mineral will not be done through any of the villages; (iii) Project Proponent shall plant native plant species and local species as suggested by villagers/specialist; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) 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 held on 29.12.2014; (vii) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (x) Washing of all transport vehicle should be done inside the mining lease; (xi) Implementation of Schedule-I species conservation plan; and (xi) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Haryana and any other Court of Law.

(2.37). Mining of Sand (Minor Mineral) in the Mine of "Faridabad Unit-1" with proposed production capacity of 5.0 million TPA (ROM) of Sand by M/s Dkrrish Builders Pvt. Ltd., located at village(s) Agwanpur, Basantpur, Dadasia, Karwali, Lalpur, Mohtabpur, Mozambad, Raipur Kalan, Baskola, Shikargarh (Block/FBD-1), District-Faridabad, Haryana (273.50 ha)- (Consultant: Udaipur Mintech Pvt. Ltd.)- Consideration of EC

The proposal of M/s Dkrrish Builders Pvt. Ltd. is for mining of Sand (Minor Mineral) with proposed production capacity of 5.0 million TPA (ROM) of sand in the mine lease area of 273.50ha. The mine lease is located near village (s) Agwanpur, Basantpur, Dadasia, Karwali, Lalpur, Mohtabpur, Mozambad, Raipur Kalan, Baskola, Shikargarh Tehsil: Faridabad, District: Faridabad, Haryana. The Latitudes and Longitudes of the Agwanpur Block/Fbd-1 are 28°30'46.01"to 28°29'55.48"N and 77°20'50.58"to 77°21'11.31"E , Dadsia Block/Fbd-2 are 28°28'26.43"to 28°28'9.09"N and 77°22'22.79"to 77°22'21.59"E, Mazambad Block/Fbd-3 are 28°27'8.60" to 28°25'49.56"N and 77°25'20.52" to 77°26'21.50"E respectively on Survey of India toposheet number 53H06, 53H07(Site), 53H10, 53H11.53H02, 53H03. The Project is located in seismic zone-IV. The mine site is located in the interstate boundary of Haryana & UP within 10 Km radius of the lease area.

The proposal of TORs was considered by the Expert Appraisal Committee (Non coal Mining) in its meeting held during March 20-21, 2014 to determine the Term of Reference (ToR) for undertaking detailed EIA study. The ToR were issued by the Ministry vide letter no. J-11015/57/2014-IA.II (M), dated 6th May, 2014. The Project Proponent submitted the EIA/EMP report to the Ministry online for seeking Environmental Clearance after conducting Public Hearing.

The total mining lease area is 273.50ha which lies on River Bed. Project Proponent has reported that no forest land is involved. The Letter of intent has been issued to M/s Dkrrish Builders Pvt. Ltd. by Director of Mines & Geology, State Govt. of Haryana, Chandigarh vide letter no. DMG/Hy/Fbd Unit- 1/2013/135, dated 03.01.2014. Mining Plan and Progressive Mine Closure Plan for the proposed sand has been approved by Director of Mines & Geology, State Govt. of Haryana vide letter No. DMG/HY/Cont/FBD-1/MP 5526 dated 03.12.2014. The mineable reserves are 1,06,

70,100 MT. Proponent informed that 177.835ha area will be used for excavation, 50ha for green belt development and 45.665 ha area will be the others (undisturbed area).

Mining is by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Extraction of material will be done only during the day time and will be completely stopped during the monsoon season. Mineral will be sorted and transported through trucks. Total water requirement for the Project is 18 KLD which will be sourced from ground water within lease area.

Project Proponent reported that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves, Reserved Forests or Protected Forests within 10 km radius of mine site. Schedule-I peacock species and Indian Gazella were reported within buffer zone for which a Conservation Plan with a budgetary allocations has been prepared and submitted to Divisional Wildlife Officer, Gurgaon. The Committee deliberated on the conservation plan and noted that the conservation plan is adequate to protect the Schedule-I species. Project Proponent reported that the Mining lease does not fall in Aravali hill range as per the Notification 1992.

The baseline data was collected for the period during summer Season i.e. March to May, 2014. All the parameters for air quality were within permissible limits. The Public Hearing for the proposed minor mineral mining Project was conducted on 30th December, 2014 at 11:00 AM at Mine Site, Village: Dadsia Tehsil: Faridabad, District: Faridabad, Haryana. The Public Hearing was presided over by Dr. Aditya Dahiya, ADC, Additional Deputy Commissioner, Faridabad. The representative from Haryana Pollution Control Board was also present. The issues raised during Public Hearing were discussed during the meeting; PP has submitted an Action Plan for each question raised along with the budgetary provisions.

Total cost of the Project is Rs. 4.0 Crores. The Project Proponent has earmarked Rs. 26.50 Lakhs for Environmental Protection Measures towards capital cost and Rs. 5.30 Lakh per annum towards recurring cost. Project Proponent has earmarked Rs. 35 Lakhs/- towards CSR activities. PP has submitted an undertaking to undertake CSR activities in nearby villages and to plant species as per requirements of the locals. Project Proponent reported that there is a Court case before the Hon'ble High Court of Punjab & Haryana in CWP No. 27700 of 2013 which is also mentioned in the LoI letter issued by the Mines & Geology Department of State Govt. of Haryana.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Sand (Minor Mineral) with proposed **production capacity of 5.0 million TPA** (ROM).

The Committee **recommended additional specific conditions** viz. (i) 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. Implementation of the Recommendations of National Labour Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of mineral will not be done through any of the villages; (iii) Project Proponent shall plant native plant species and local species as suggested by villagers/specialist; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) 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 held on 30.12.2014; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (ix) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (x) Washing of all transport vehicle should be done inside the mining lease; (xi) Implementation of Schedule-I species conservation plan; and (xi) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Haryana and any other Court of Law.

(2.38).Renewal of mine lease for Jawal China Clay and Soapstone Mine with production capacity of 2,26,800 TPA (ROM) by M/s Ultra Tech Cement Ltd. (Unit Birla White), located at near village(s)-Jawal, Jagpura, Parmeshwarpura, Tehsil Kotri, District-Bhilwara, Rajasthan (155.9ha) (Consultant: Wolkem Consultancy Services)-Consideration of EC

The proposal of M/s UltraTech Cement Ltd. (Unit: Birla White), is for mining of china clay with proposed production capacity of 2,26, 800 TPA (ROM). The mine lease area is located at Village(s)-Jawal, Itawa, Jagpura and Parmeshwarpura, Tehsil- Kotri, District-Bhilwara, Rajasthan in the mine lease area of 155.9ha. The Geographical Co-ordinates for the mine site are Latitudes- N 25° 22' 46.1" to N 25° 23' 46" &Longitudes:- E 74° 59' 24" to E 75° 00' 32.1". The mine site falls on Survey of India Toposheet no. 45 K/15 & 45 O/3.

The proposal of TOR was considered by the Expert Appraisal Committee in its 13th Meeting held during 12th November, 2013 to determine the Terms of Reference

(TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/360/2013-IA. II (M), dated 22nd January, 2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 155.9ha, out of which 35.6609ha is agricultural land, 59.2864ha is grazing land and 60.953 ha is waste land. There is no forest land in the lease area. The mining will be carried out by opencast mechanized without drilling and blasting. PP has informed that the mine has not produced any mineral since 1994 and No litigation / court case is pending against the project. Total water requirement is 20KLD. Total Manpower requirement for the project is 46 persons.

PP had applied for renewal of mine lease for 20 years from 27.03.2007 to 26.03.2027 vide application dated 25.06.2006. Now, as per new ordinance of 2015 included in Sec- 8 (a) of MMDR Rules, 1987, Mining Lease is valid till 26.03.2037. Mining plan with PMCP was approved by IBM Ajmer, vide order No 584 (4)(3)(1226)/12-CCM-AJM, dated 25.06.2013. The site elevation is 385m – 359m AMSL. The Ground water depth is 45 m bgl in pre monsoon season and 40m bgl in post-monsoon season. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

Project Proponent reported that there is no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors; Tiger/Elephant Reserves exist within 10 km of the mine lease area. One Schedule-I species i.e. Indian Peafowl is reported in the Buffer zone. Schedule-I species specific conservation Plan with budgetary provisions is duly forwarded by the DFO Bhilwara. The baseline data was collected in 2014. The Committee deliberated the baseline data collected by the PP and noted that all the parameters were within permissible limits as per CPCB Standard. Afforestation shall be done covering an area of 7.00 ha at the end of mining which include internal dump 1.1ha, Green belt 7.00ha, Void 6.6 ha at a depth of 32m which is proposed to be converted into water body at the end of mine life.

The Public Hearing was held on 12th November 2014 at 11:30 am at Tehsil Office Kotri, Tehsil Kotri, District-Bhilwara, Rajasthan. Public Hearing was presided by Mr. Giriraj Verma, Additional District Magistrate, Bhilwara. The representatives of the Rajasthan State Pollution Control Board, Bhilwara were also present. The Committee discussed the issues raised during Public Hearing which inter-alia, included, employment, road maintenance, flora and fauna, overburden disposal, and water harvesting programs.

Total cost of the Project is Rs. 215 Lakhs. Proponent has earmarked Rs. 10.0 Lakhs for Environmental Protection Measures as Capital Cost and Rs. 14.0 Lakhs per annum as recurring cost. Project Proponent reported that there is no Court case pending against the Project.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Renewal of mine lease for Jawal China Clay and Soapstone Mine with production capacity of 2,26,800 TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) Mining activity shall only be commenced after CGWA approval; (ii) Implementation of the Conservation Plan for Scheduled species with budgetary provisions; (iii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iv) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (v) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (vi) 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 centres; (vii) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (viii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and (ix) Washing of all transport vehicle should be done inside the mining lease.

(2.39). Enhancement of production of Bauxite from 0.15 million TPA (ROM) to 0.30 million TPA (ROM) for Amtipani Bauxite Mine by M/s Hindalco Industries Limited, located at Villages- Amtipani, Gurdari and Chirodih, Thana-Bishunpur, Gumla District, Jharkhand (MLA 190.95ha) (Consultant: Vimta Labs Ltd.)-Consideration of EC.

The proposal is for enhancement of Bauxite production capacity from 0.15 million TPA (ROM) to 0.30 million TPA (ROM) in the mine lease area of 190.95 ha. The

mine lease is located near Villages- Amtipani, Gurdari and Chirodih, Thana-Bishunpur, Gumla District, Jharkhand. The mine lease area lies between Latitudes 23°21'38.12" to 23°19'8.99"N and Longitudes 84°15'18.06" to 84°15'59.66"E and is covered by Survey of India topo-sheet no-73A/7.

The proposal was considered by the Expert Appraisal Committee (Mining) in its meeting held during February 21-23, 2012 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by the Ministry vide letter no. 11015/298/2011- IA.II (M), dated 26th March 2012. The proponent submitted the EIA/EMP Report to the Ministry for seeking environmental clearance after conducting Public Hearing. Further, the validity of TOR was extended by the Ministry w.e.f. 16.03.2014 to 25.03.2015.

The mining lease was originally granted over an area of 190.95ha, vide order no. 1593/M dated 19.08.2005 in the name of M/s Indian Aluminum Company Limited (INDAL) and accordingly the Environment Clearance was obtained vide letter no. J-11015/241/2005-IA.II (M), dated 14.08.2006 for a production capacity of 0.15 million TPA of Bauxite. It is reported by the Project Proponent that M/s INDAL has merged with M/s Hindalco Industries Limited and accordingly the Mining Lease deed is executed. Project Proponent informed that the Application has been submitted to the MoEFCC regarding transfer of name in the Environmental Clearance from M/s INDAL to M/s Hindalco vide letter no. HIL/AVP (M)/MoEF-EC/1014, dated 01.03.2012, However, the earlier EC has not been transferred in the name of M/s Hindalco Industries Limited.

The mine lease area is 190.95 ha. No forest land is involved. Out of 195.95 ha, 190.13ha is Rayaite (Private) land and 0.82 ha is waste land. Modified Mining Plan has been approved by the IBM vide letter dated 22.07.2011. The life of the mine is 11 years. The Mine Lease will expire on 12.03.2026. The method of mining is opencast mechanized. The blasted material would be sorted out manually, loaded into trucks and sent to the Railway Siding to be transported to their captive Aluminium Plant at Muri. Proponent reported that at the end of the life of Mine, reclaimed area will be 151.1ha (142.85 ha reclaimed area including 6.27ha water reservoir area including Embankment), Road 1.55ha, OB Dump 2.15ha, Infrastructure 0.07ha, Green belt 10.40ha, Balance land unused will be 25.68ha. As per approved Scheme of Mining, total waste generation will be 4228028 cum at the end of FY 2017-18. It was reported that Ground water will not be intersected during scheme period. The site elevation is about 1068 m above MSL. The total water requirement of Amtipani Mine Lease is about 23 m³/day. As there are no perennial sources of water on the hill-top, the villagers get potable water from nearby natural springs and hand pumps.

Proponent reported that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife corridors, Tiger/Elephant Reserves/Schedule-I species/migratory paths of birds and animals, within 10 km radius of the mining project site. Six Reserved Forests and Twenty Six Protected Forests exist within 10 km radius of mine site. The environmental baseline data were collected during pre-monsoon season i.e. March 2012-May 2012. The Committee deliberated on the Baseline data and found

that the principle environment parameters are well within the permissible limits as prescribed by the CPCB. In ecological study, 327 plants species were recorded during study period. There are no endangered species of fauna reported or observed in the vicinity of the project area.

Public Hearing was conducted on 11.07.2013 at Government Primary School, Banari village, Teshil-Bisunpur, District-Gumla under the Chairpersonship of Smt. Christina Hansda, AC, Gumla. The representative of Regional Office SPCB was also present. The issues raised during Public Hearing were discussed during the Meeting, which inter-alia, included, local employment, regular water spraying to prevent pollution and socio economic development i.e. water facilities, medical and education etc. As per the villager's requirements, it was informed by the Proponent that they would prefer to take care of local employment, assistance in medical, drinking water and education facilities etc. These have been incorporated in the action plan with budgetary provisions.

The total capital cost of the project is Rs. 11.10 Crores. The Proponent has earmarked Rs. 5.78 Crores towards Environmental Protection Measures Proponent informed that about 87500 Sq.m land with 14000 samplings will come under greenbelt development plan. Total Rs. 86 Lakhs has been spent for the rural and community development activities during the period of 2005-2013. Proponent has informed that there is no court case/litigation pending against the Mining project.

The Committee noted that the Ministry has granted EC on 14.08.2006 for a production capacity of 0.15 million TPA (ROM) of Bauxite. The Regional Office has inspected the mine on 05.09.2013 and has submitted the Compliance Report on 01.10.2013 wherein the MoEFCC Regional Office has mentioned that immediate action should be taken for satisfactory compliance of the following conditions:-

- (i) A detailed plan should be prepared for rainwater harvesting in the lease area.
- (ii) Proper plantation should be developed on the OB dump so avoid erosion of soil and gully formation.
- (iii) Project should submit a detailed plan of green belt development as per the condition and submit to Regional Office.
- (iv) A copy of the ground water study report by Centre for Ground Water study, Kolkata should be submitted to the Regional Office.
- (v) The seasonal changes in the ground water level have not been measured and report not submitted.
- (vi) Project should ensure that all vehicles including contract vehicles should carry valid 'PUC' from authorized pollution testing agency.
- (vii) Project should submit the details of compensation paid to the project affected families.
- (viii) Some portions of the mined out areas have been left as water reservoir areas for use by the villagers for cultivation. The maximum depth of the water body is 15m and minimum 6m. Sufficient slope in some benches has to be maintained. The area around the water bodies should be properly fenced and protected.

- (ix) Project has not prepared any plan for conservation and protection of flora and fauna in the core & buffer zone.
- (x) Project should ensure that all vehicles carry 'PUC' from authorized pollution testing agency.
- (xi) A separate environment management cell should be established with qualified/trained permanent staff to deal with environmental related activity at the project level and the condition should be complied with.
- (xii) The project authorities are yet to inform the date of financial closure and financial approval of the project and also the date of start of land development work.

The Committee also noted that the **compliance report is about two year old and was of the view that Regional Office may be requested for fresh compliance Report of the earlier EC conditions as well as the points raised by the RO during inspection in September 2013.**

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance **subject to submission of the certified compliance Report of the earlier EC conditions by the Regional Office located at Ranchi.**

(2.40). River Sand Mining with Production Capacity of 28.0 Lakh TPA (ROM) Sand by Shri Abhishek Choudhary, located near 38 Revenue village(s) viz. Parsoli, Dandawat, Pratappura, Asind and others., Tehsil-Asind, District Bhilwara, Rajasthan (1207.61ha) (Consultant: EQMS India Pvt. Ltd, Delhi)- Consideration of EC.

The proposal of Shri Abhishek Choudhary is for mining of Bajri (Minor Mineral) at 38 revenue village(s) of Tehsil-Asind, District-Bhilwara, Rajasthan with proposed production capacity of 28.0 Lakh TPA (ROM) of Bajri in the mine lease area of 1207.61ha. The mine lease area lies in Mansi, Khari and Nekadi river(s) bed. The Latitudes and Longitudes of the mine lease area lies between 25°38'00.00" to 25°55'00.00" N and 74°10'00.00" to 74°33'00.00" Eon Survey of India toposheet number 45K/5, 45K/6, 45K/9 and 45K/10. The project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/252/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1207.61ha which is Gairmumkin Nadi Nala. No forest land is involved. The letter of intent was granted vide Rajasthan State Government order no. Khan (Group – 2) Vibhag, S.No. P.10 (6)Khan/Group-2/2013, Jaipur dated 27 February 2013 in favour of Shri Abhishek Choudhary for river-bed mining of minor

mineral Sand (Bajri). The mine plan was approved by SME Bhilwara vide SME/BHL-CC2/BAJRI/BHL/2012/5208 dated 28-11-2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The project proponent informed that 333.35ha area will be used for excavation, 12.0 ha for road, 110.0 ha for Green belt development and 752.26 ha area will be the others (undisturbed area).

The project proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine periphery). The total water requirement is 39 KLD including water demand for domestic purpose (4 KLD), dust suppression (25 KLD) and green belt development (10 KLD) which shall be met by tanker supply from the private agency.

The baseline study for different environmental attributes was carried out during Oct-Dec, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 15-12-2014 at Tehsil Office, Asind, District Bhilwara. The Public Hearing was presided over by Mr. Suresh Kumar, ADM Bhilwara. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.04 Lakhs (capital cost) and Rs. 40.62 Lakhs (annual recurring cost). Proponent informed that Rs. 9 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 lakhs for Conservation Plan for wildlife. The Project Proponent has informed that the mining activities have not yet started.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 28.0 Lakhs TPA (ROM) **subject to submission of Letter from the State Govt. on Aravali Notification.**

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.41). River Sand Mining with Production Capacity of 42.0 Lakh TPA (ROM) of Sand by M/s Shekhawat Associates, located near 26 revenue villages viz. Dhuwala, Bagudaar, Kesharpura, Keshavvilas, Madhopura and others., Tehsil Jahazpur, District-Bhilwara (Rajasthan) (1299ha.) (Consultant: EQMS INDIA PVT. LTD. INDIA) - Consideration of EC.

The proposal of M/s Shekhawat Associates is for mining of Bajri (Minor Mineral) at 26 revenue village(s) of Tehsil-Jahazpur, District-Bhilwara, Rajasthan with proposed production capacity of 42.0 Lakh TPA (ROM) of Bajri in the mine lease area of 1299.0ha. The mine lease area lies in Banas River bed. The Latitudes and Longitudes of the mine lease area lies between 25⁰45'00" N to 25⁰29'00" N and 75⁰06'00" E to 75⁰19'00" E on Survey of India toposheet number 45 O/2, 45 O/3, 45 O/5, 45 O/6 and 45 O/7. As per Seismic Zoning Map of India IS: 1893(Part-1):2002, the project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/259/2013-IA.II (M), dated 17th October, 2013. The Proponent

submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1299.0ha which is Gairmumkin Nadi Nala. No forest land is involved. The letter of intent was granted Rajasthan Minor Mineral Concession Rules, 1986, was granted vide Rajasthan State Government order no. Khan (Group - 2) Vibhag, S.No. P.10 (5)Khan/Group-2/2013, Jaipur dated 27 February 2013 in favour of M/s Shekhawat Associates for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved by SME Bhilwara vide SME/BHL/CC2/BAJRI/BHL/2012/5215 dated 28-11-2013.

Mining is by 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 one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The project proponent informed that 500ha area will be used for excavation, 11.33 ha for road, 165.0 ha for Green belt development and 622.67 ha area will be the others (undisturbed area).

The project proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine periphery). The total water requirement is 50 KLD including water demand for domestic purpose (4 KLD), dust suppression (31 KLD) and green belt development (15 KLD) which shall be met by tanker supply from the private agency.

The baseline study for different environmental attributes was carried out during October-December, 2013. The pollutant concentration in the air is well below the NAAQS. The noise monitoring shows that Leq day and night time noise levels are within the standards.

The Rajasthan State Pollution Control Board conducted the Public Hearing on 19.12.2014 at Tehsil Office, Jahazpur, DistrictBhilwara. The Public Hearing was presided over by Mr. Suresh Kumar, ADM Bhilwara. The representatives of the State Pollution Control Board, Rajasthan 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.

The capital cost of project is Rs.75 Lakhs. The overall cost of environment management plan shall be Rs. 2.18 Lakhs(capital cost) and Rs. 53.45 Lakhs (annual recurring cost). Proponent informed that Rs. 9.0 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 10 Lakhs for Conservation Plan for wildlife.

The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In

Civil Appeal No. 9703-9706 of 2013) production of ~736735 MT of Bajri has been achieved after grant of temporary working permission for mining granted by Joint Secretary, Govt. of Rajasthan vide letter no. P.10 (5)Khan/Group-2/2013 dated 19.12.2013.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 42.0 Lakhs TPA (ROM) **subject to submission of Letter from the State Govt. on Aravali Notification.**

The Committee **recommended additional specific conditions** viz. (i) 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; (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) 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; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.42). Mining of Mineral Boulder, Gravel and Sand (Minor Mineral) in the Mine of "Yamuna Nagar Unit-2" with revised production capacity of 12 Million TPA (ROM) by M/s Astin Excavation & Mining Pvt Ltd, located at villages - Gorabani, Rajpur, Rampur Jattan&Chabutron (Block/YNR-4), Manakpur&Prithipur (Block/YNR-5), Kathgarh, Ranjitpur, Rampur Gainda, Suvavri, Ranipur, Guardwali, AlisherpurMajra, Ramgarhsawai, Mujaffat, Shergarh, Dayalgarh, Sundar, Bahadarpur&Bhagwanpur (Block/YNR-6) and Pammuwala, Sangholi&JaffarpurJafari (Block/YNR-7), District-Yamuna Nagar, Haryana (MLA 554.13 ha) (Consultant: Grass Roots Research & Creation India

(P) Ltd.)-Consideration of EC

The proposal of M/s Astin Excavation & Mining Pvt. Ltd. is for mining of Boulder, Gravel & Sand (Minor Mineral) with proposed production capacity of 12.0 Million TPA (ROM). The mine lease area is located at District: Yamunanagar, Haryana in the mine lease area of 554.13 ha. The mine lease area lies on river bed of River Fandi Rao, SombNadi and BoliNadi. The mine lease area consists of four blocks. The Latitudes and Longitudes of the Block YNR-4: Gorabani lies between 30°23'34.94"N to 30°21'34.94"N and 77°24'29.55"E to 77°23'18.00"E , Block YNR -5: Manakpur Block YNR -5: Manakpur 30°21'25.48"N to 30°19'48.17"N and 77°23'12.15"E to 77°23'35.06"E, Block YNR-6: Ranjitpur 30°26'57.02"N to 30°21'6.77"N and 77°20'45.87"E to 77°21'12.91"E, Block YNR-7: Pammuwala 30°28'9.48"N to 30°24'57.03"N and 77°16'3.28"E to 77°15'15.69"E on Survey of India toposheet numbers 53F/7, 53F/8(site), 53F/11, 53F/12. The Project is located in Seismic zone-III.

The proposal was considered by the Expert Appraisal Committee in its meeting held on 20th and 21st March, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by EAC vide letter no. J-11015/55/2014-IA.II (M) dated 5th May, 2014. The proponent submitted its application for seeking environmental clearance after conducting public hearing to the Ministry on 23rd February, 2015.

The mine lease area is 554.13 ha which lies on River bed. Letter of Intent (LOI) for grant of mining lease for minor mineral Boulder, Gravel & Sand over an area of 554.13 ha has been granted by the Director of Mines and Geology Department, Haryana, vide letter dated 03.01.2014 for the period of 8 year. Method of Mining is manual opencast 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. The Public Hearing for the proposed Project was conducted on 3.12.2014 at 11.00 am at Yamunanagar, Haryana. The Public Hearing was presided over by Shree S.S. Saini, ADC Yamunanagar.

The Committee noted that Ministry has prescribed TOR for Mining of Sand, Boulder and Gravel in the Mine of "Yamuna Nagar Unit-2" with production capacity of 15.32 Million TPA (ROM) of Boulder, Gravel & Sand in the total mining area of 554.13 ha. PP has reported that few Khasra numbers with an area of 58.630ha falls under the forest area, hence this area will not be mined and accordingly production capacity has been reduced from 15.32 Million TPA (ROM) to 12.0 million TPA (ROM) and the mine plan has also been approved for the same production capacity and the PP requested for amendments in TOR with production capacity from 15.32 Million TPA (ROM) to 12.0 million TPA (ROM).

The Committee deliberated at length the information submitted by PP and **recommended the amendments in TOR** in respect of change in production capacity

from 15.32 Million TPA (ROM) to 12.0 million TPA (ROM). The Committee is of the view that **first the PP should revise the EIA/EMP Report and resubmit the revised EIA/EMP report before EAC for appraising the project with the revised production capacity.**

(2.43). Pakhar Bauxite and Laterite Mining of Mineral with production capacity of 4,37,757 TPA (ROM) of Bauxite and 66,614 TPA (ROM) of Laterite ore by M/s Gandharva Oraon, located at Village-Pakhar, Block Kisko District-Lohardaga, Jharkhand (50.854ha) (Consultant: Grass Root Research & Creation India (Pvt.) Ltd.) Reconsideration of EC

The proposal of M/s Gandharva Oraon is for bauxite and laterite mining with production capacity of 4,37,757 TPA (ROM) of Bauxite and 66,614 TPA (ROM) of Laterite. The proposed Pakhar Bauxite & Laterite mine lease comes under Pakhar village of Kisko block, Lohardaga district, Jharkhand. Geo-graphically the ML area extends from East Longitude 84° 35'22.33" E to 84°35'29.057"E and North Latitude 23° 33'27.542" N to 23°33'9.709" N on Survey of India topo sheet Number 73-A/10.

The proposal of EC was earlier considered by the Expert Appraisal Committee in its meeting held during August 26-27, 2014 wherein the Committee deferred the proposal and sought the following information/clarification:-

- (i) Four Schedules-I species namely Indian Pangolin, Sloth Bear, Indian Peafowl & Indian Python were reported within buffer zone. PP need to submit the approved Conservation Plan by the Chief Wildlife Warden of the State Govt. along with budgetary provisions and implementation schedule;
- (ii) Details of location of springs in an around the MLA and proposed conservation protection measures;
- (iii) Details of Land compensation and certificate from District Authority about acquiring land belonging to tribal population.

Based on the information submitted by the PP, the proposal is considered in this meeting. The PP reported that Four Schedules-I species namely Indian Pangolin, Sloth Bear, Indian Peafowl & Indian Python were reported within buffer zone. The species specific Conservation Plan has been prepared and submitted to Divisional Forest Officer, Lohardaga. However, the Conservation Plan is under approval. The Committee deliberated on the Conservation Plan and noted that the Plan is adequate to protect the Schedule species. Further, there is no spring is situated near the Mine lease area however total of 13 springs has been found in the Study area. It was also reported by PP that land compensation has been already given to Raiyat.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Pakhar Bauxite and

Laterite Mining of Mineral with production capacity of 4, 37,757 TPA (ROM) of Bauxite and 66,614 TPA (ROM) of Laterite ore.

The Committee **recommended** additional specific conditions viz. (i) A study from an Institution of Repute may be conducted on the impact of Bauxite dust on Crop Productivity in agricultural land located around mines and mitigation measures to be implemented by PP to reduce the impact; (ii) Recommendation by the Institute, for Crops most suited in this environment and training to the farmers to switch over to new cropping system which will sustain nutrient loading; (iii) 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. Implementation of the Recommendations of National Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (iv) Use of mechanical devices for excavating the ore and reducing use of explosives; (v) Concurrent reclamation of mined out areas; (vi) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transfer points and undertaking comprehensive study in a years' time for slope stabilization of mine benches and OB dumps; (vii) Implementation of Action Plan on the Issues raised during Public Hearing; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) A comprehensive ore evacuation plan for all existing mines of the PP in the area may be made by streamlining transport of ore based on proper study.

(2.44). Aniali Limestone mine with production capacity of 0.088 million TPA (ROM) by M/s Tata Chemicals Ltd., located at survey no. 207/p, Village-Aniali, Taluka-Ranavav, District-Porbander, Gujarat (16.21ha) (Consultant: Mantec Consultants Pvt. Ltd., New Delhi)-Reconsideration of EC

The proposal of M/s Tata Chemicals Ltd. is for limestone mining with production capacity of 0.088 million TPA of limestone (ROM). The MLA is located at survey no. 207/p, Village-Aniali, Taluka-Ranavav, District-Porbandar, Gujarat. The Latitudes and Longitudes of the MLA are latitude 21⁰42'17.62"N to 21⁰42'35.11"N and Longitude 69⁰49'19.06" E to 69⁰49'40.53"E respectively on toposheet no. 41G/14. It is a Category 'A' project as the Barda Wildlife Sanctuary falls at a distance of 3.92 Km in NW direction from MLA.

The Proposal was earlier considered in the EAC meeting held during October 27-28, 2014 wherein the Committee deferred the proposal and was of the view that PP has to submit the following documents for further decision on the matter by the EAC:-

- (i) 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;

- (ii) PP has to submit the approved wild life conservation plan for Schedule-I species from the Chief Wildlife Warden of the State Government; and
- (iii) Status of approval by the Standing Committee of NBWL and a copy of the application including all correspondence.

In this context, PP vide letter dated 09.03.2015 has submitted the information and accordingly, the Proposal is considered in the present meeting. PP has submitted the followings:-

- (i) The lease is under deemed renewal for 20 years since 2003. As per the Mines and Minerals (Development and Regulation) Amendment Ordinance, 2015, the validity of this lease is extended upto 31st March, 2030.
- (ii) PP has prepared the species specific conservation plan for Schedule-I species along with budgetary provisions. The Committee deliberated the same.
- (iii) PP has applied to the State Board for NBWL and the same is under approval stage.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone mine with production capacity of 0.088 million TPA (ROM).

The Committee **recommended additional specific conditions** viz. (i) Implementation of species specific conservation plan for Schedule I species; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres;(vi) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

(2.45). Aniali Limestone mine with production capacity of 0.014 million TPA (ROM) by M/s Tata Chemicals Ltd., located at survey no. 207/p, Village-Aniali, Taluka-Ranavav, District-Porbandar, Gujarat (12.27 ha)-Reconsideration of EC

The proposal of M/s Tata Chemicals Ltd. is for limestone mining with production capacity of 0.014 million TPA of limestone (ROM). The MLA is located at survey no. 207/p, Village-Aniali, Taluka-Ranavav, District-Porbandar, Gujarat. The Latitudes and Longitudes of the MLA are latitude 21°42' 37"N to 21°42'48"N and Longitude 69°50'23"E to 69°50'38"E respectively on toposheet no. 41 G/14. It is a Category 'A' project as the Barda Wildlife Sanctuary falls at a distance of 4.14 Km in NW direction from MLA.

The Proposal was earlier considered in the EAC meeting held during October 27-28, 2014 wherein the Committee deferred the proposal and was of the view that PP has to submit the following documents for further decision on the matter by the EAC:-

- (i) 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;
- (ii) PP has to submit the approved wild life conservation plan for Schedule-I species from the Chief Wildlife Warden of the State Government; and
- (iii) Status of approval by the Standing Committee of NBWL and a copy of the application including all correspondence.

In this context, PP vide letter dated 09.03.2015 has submitted the information and accordingly, the Proposal is considered in the present meeting. PP has submitted the followings:-

- (i) The lease is under deemed renewal for 20 years since 2003. As per the Mines and Minerals (Development and Regulation) Amendment Ordinance, 2015, the validity of this lease is extended upto 31st March, 2030.
- (ii) PP has prepared the species specific conservation plan for Schedule-I species along with budgetary provisions. The Committee deliberated the same.
- (iii) PP has applied to the State Board for NBWL and the same is under approval stage.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone mine with production capacity of **0.014 million** TPA (ROM).

The Committee **recommended** additional specific conditions viz. (i) Implementation of species specific conservation plan for Schedule I species; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC 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 centres;(vi)There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

(2.46). Ranavav Limestone mine with production capacity of 0.110360 million TPA (ROM) by M/s Tata Chemicals Ltd., located at survey no. 78/p, Village-Ranavav, Taluka-Ranavav, District-Porbander, Gujarat (25.45ha) (Consultant: Mantec Consultants Pvt. Ltd., New Delhi)-Reconsideration of EC

The proposal of M/s Tata Chemicals Ltd. is for limestone mining with production capacity of 0.110360 million TPA of limestone (ROM). The MLA is located at survey no. 78/p, Village-Ranavav, Taluka-Ranavav, District-Porbandar, Gujarat. The Latitudes and Longitudes of the MLA are latitude 21°41'28.90"N 21°41'48.17"N and Longitude 69° 45' 08.14"E to 69°45'47.29"E respectively on toposheet no. 41G/10. It is a Category 'A' project as the Barda Wildlife Sanctuary falls at a distance of 1.95 Km in NW direction from MLA.

The Proposal was earlier considered in the EAC meeting held during October 27-28, 2014 wherein the Committee deferred the proposal and was of the view that PP has to submit the following documents for further decision on the matter by the EAC:-

- (i) 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;
- (ii) PP has to submit the approved wild life conservation plan for Schedule-I species from the Chief Wildlife Warden of the State Government; and
- (iii) Status of approval by the Standing Committee of NBWL and a copy of the application including all correspondence.

In this context, PP vide letter dated 09.03.2015 has submitted the information and accordingly, the Proposal is considered in the present meeting. PP has submitted the followings:-

- (i) The lease is under deemed renewal for 20 years since 2003. As per the Mines and Minerals (Development and Regulation) Amendment Ordinance, 2015, the validity of this lease is extended upto 31st March, 2030.
- (ii) PP has prepared the species specific conservation plan for Schedule-I species along with budgetary provisions. The Committee deliberated the same.
- (iii) PP has applied to the State Board for NBWL and the same is under approval stage.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone mine with production capacity of **0.110360 million** TPA (ROM).

The Committee **recommended** additional specific conditions viz. (i) Implementation of species specific conservation plan for Schedule I species; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres;(vi)There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

(2.47). Aniali Limestone mine with production capacity of 0.043 million TPA (ROM) by M/s Tata Chemicals Ltd., located at survey no. 207/p, Village-Aniali, Taluka-Ranavav, District-Porbander, Gujarat (21.04ha) (Consultant: Mantec Consultants Pvt. Ltd., New Delhi)-Reconsideration of EC

The proposal of M/s Tata Chemicals Ltd. is for limestone mining with production capacity of 0.043 million TPA of limestone (ROM). The MLA is located at survey no. 207/p, Village-Aniali, Taluka-Ranavav, District-Porbandar, Gujarat. The Latitudes and

Longitudes of the MLA are latitude 21°42'37.00"N to 21°42'48.00"N and Longitude 69°50'23.00"E to 69°50'38.00"E respectively on toposheet no. 41G/14. It is a Category 'A' project as the Barda Wildlife Sanctuary falls at a distance of 4.21 Km in NW direction from MLA.

The Proposal was earlier considered in the EAC meeting held during October 27-28, 2014 wherein the Committee deferred the proposal and was of the view that PP has to submit the following documents for further decision on the matter by the EAC:-

- (i) 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;
- (ii) PP has to submit the approved wild life conservation plan for Schedule-I species from the Chief Wildlife Warden of the State Government; and
- (iii) Status of approval by the Standing Committee of NBWL and a copy of the application including all correspondence.

In this context, PP vide letter dated 09.03.2015 has submitted the information and accordingly, the Proposal is considered in the present meeting. PP has submitted the followings:-

- (i) The lease is under deemed renewal for 20 years since 2003. As per the Mines and Minerals (Development and Regulation) Amendment Ordinance, 2015, the validity of this lease is extended upto 31st March, 2030.
- (ii) PP has prepared the species specific conservation plan for Schedule-I species along with budgetary provisions. The Committee deliberated the same.
- (iii) PP has applied to the State Board for NBWL and the same is under approval stage.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone mine with production capacity of **0.043 million** TPA (ROM).

The Committee **recommended** additional specific conditions viz. (i) Implementation of species specific conservation plan for Schedule I species; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall

be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres;(vi)There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

(2.48). Proposed Limestone Mine with Production Capacity of 0.5 million TPA (ROM) of Limestone & Marl by M/s UltraTech Cement Ltd. (Unit – Reddipalayam Cement Works), located at Village -Varagupadi, Taluk –Alathur, District – Perambalur , Tamil Nadu (ML Area: 54.68 ha) (Consultant: J.M. EnviroNet Pvt. Ltd.)-Reconsideration of EC

The proposal of M/s UltraTech Cement Ltd. (Unit – Reddipalayam Cement Works) is for Limestone Mining with production capacity of 0.5 million TPA (ROM). The mine lease is located at Village-Varagupadi, Taluk –Alathur , District – Perambalur, Tamil Nadu. The Latitudes and Longitudes of the site are 11° 08' 33"N to 11° 09' 11.6" N and 78° 54' 27.64" E to 78° 55' 01.21"E respectively & part of study area falls within the Survey of India Toposheet No. 58 L/16.

The proposal was earlier considered by the Expert Appraisal in its meeting held during December 22-23, 2014 wherein the EAC deferred the proposal and sought the following information/ clarifications:

- (i) Committee noted that in proper compliance of TOR no. 12 with regard to Forest Dwellers (Recognition of Forest Right) Act 2006, the required information has not been submitted; this may be furnished;

- (ii) One Schedule-I species is reported in the Buffer zone. Schedule-I species specific conservation Plan duly approved by the Chief Wild Life Warden needs to be submitted with budgetary provisions.
- (iii) The Committee noted that in proper compliance of TOR no. 29 with regard to time bound progressive greenbelt development plan, list of plant species suitable for plantation may be submitted;
- (iv) PP to submit compliance in a tabular form with budget provisions and actions proposed on the accepted recommendations of the Public Hearing along with reasons for non-acceptance, if any;
- (v) Block E & F are very close to ancient structure, for which protection measures including leaving comfortable distance for mining, may be elaborated;
- (vi) The Committee noted that in proper compliance of TOR no. 30 with regard to impact on local infrastructure due to the Project has not been adequately addressed; and

In this context, the PP, vide letter dated 24.02.2015 has submitted the information/clarification and accordingly the proposal is considered in the present meeting. The Point- wise explanation of the queries is given below:

- (i) With regard to Forest Dwellers Act; there is no forest land within the ML Area. Therefore, Forest Dwellers (Recognition of Forest Right) Act, 2006 is not applicable.
- (ii) With regard to one Schedule- I species in buffer zone; conservation plan has been submitted with budgetary provisions. Also conservation plan is authenticated from District Forest Officer, Conservator of Forest and forwarded to Chief Wildlife Warden, Chennai.
- (iii) With regard to time- bound progressive green belt development plan; Time-bound action plan for green belt development has been submitted. Plant species like *Magnifera indica*, *Phyllanthus emblica*, *Acacia nilotica*, *Azadirachta indica*, *Zizyphus Spp.*, *Tamarindus indica*, *Artocarpus heterophyllus*, *Ficus Carica*, *Bougainvillea*, *Terminalia arjuna*, *Tamarindus indica* etc., will be planted. Other Fruit bearing species, native species useful for locals etc. will also be planted in consultation with Forest department.
- (iv) With regard to compliance of the recommendations during Public Hearing; Action plan for Public Hearing in a tabular form along with budgetary provisions has been submitted.

- (v) With regard to leave protection measures form Block- E & F; Following Protective measures have been considered for the temple:
 - a) As per the LOI condition a safety distance of 50mtr will be left from the temple.
 - b) A 7.5 m wide barrier all along the lease boundary will be left wherein no mining or other allied activities except for Plantation will be done.
 - c) Greenbelt will be developed around the Block E &F.
 - d) No mining work or any type of allied activities has neither been proposed nor will be done in the area restricted by the state government as per conditions imposed in their letter dated 23.02.2012.
 - e) Directions given in IBM letter no. TN/PBR/MP/LST-1907-SZ, dated 17.07.2014 will be followed.
 - f) Mining will be carried out as per approved Mining Plan.

- (vi) With regard to Impact on local infrastructure due to the project; No adverse impact will be there on local transport infrastructure due to the proposed mining project as Limestone will be directly dispatched to the Cement plant through National and State Highway covering a distance of 50 km. Transportation route map has been submitted for the same.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone mine with production capacity of **0.50 million** TPA (ROM).

The Committee **recommended** additional specific conditions viz. (i) Implementation of species specific conservation plan for Schedule I species; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) 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 centres;(vi) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

(2.49). KharaiHarudi Limestone Mining project of M/s UltraTech Cement Ltd. (Unit: Sewagram Cement Works) with production capacity of 6.8 million TPA (ROM), located at Villages-Kharai, Vaghapadhar&Harudi Tehsil (s) Lakhpat&Abdasa, District Kutch, Gujarat -(2831.61ha) [Consultant: J.M. EnviroNet Pvt. Ltd.]- Amendment in EC no. J-11015/390/2008-IA.II (M), dated 22nd February, 2011

Environmental Clearance for Kharai Harudi Limestone Mining Project (ML area 2831.61 ha), Production Capacity 6.8 million TPA (ROM), located at Villages- Kharai, Jadva, Vagapadhar&Harudi, Tehsil- Lakhpat & Abdasa, Dist- Kachchh , Gujarat has been obtained from MoEFCC, vide letter no. J-11015/390/2008-IA.II (M), dated 22nd February, 2011 and 22nd August, 2014.

The captive KharaiHarudi Limestone Mine is used for supplying Limestone to the Integrated Cement Plant (Clinker: 4MTPA & Cement: 7.2 MTPA), in the nearby area at Village, Vayor, Tehsil- Abdasa, District Kachchh (Gujarat).

PP has requested to amend the Environmental Clearance letter dated 22.02.2011 in Specific condition no A (XX): **"No transportation of ore outside the mine lease area shall be carried out after sunset."** of captive Kharai Harudi Limestone Mining Project. As the mining operations are limited to only day hours due to the restrictive nature of the above mentioned condition, the limestone production rate from the captive KharaiHarudi Limestone mine of is not able to meet the raw material requirement of the Cement Plant. Therefore, in order to fulfill the raw material requirement of Cement Plant, it has become imperative that the transportation of mineral from the captive KharaiHarudi Limestone Mining Project (ML Area 2831.61 ha), to the cement plant be continued after sunset. Considering the above, it is requested that the specific condition no A (XX): "No transportation of ore outside the mine lease area shall be carried out after sunset." may be exempted.

The Committee, after detailed deliberations, **recommended** the Proposal for amendment of environmental clearance for Limestone mine of M/s UltraTech Cement

Ltd. (Unit: Sewagram Cement Works) and **recommended** that the Specific condition no **A (XX): "No transportation of ore outside the mine lease area shall be carried out after sunset."** may be deleted from the EC condition. Further, the Committee suggested that PP should undertake necessary precaution for night transportation in terms of light and sound.

(2.50). Sand, Gravel quarry of M/s Department of industries and Commerce, Village & Tehsil Phillour, District Jalandhar, Punjab (13.06 ha)(Consultant: Grass Roots Research & Creation India (P) Ltd).

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

(2.51). Sand, Gravel quarry of M/s Department of industries and Commerce, Village Lassara, Tehsil Phillour, District Jalandhar, Punjab (22.40 ha)(Consultant: Grass Roots Research & Creation India (P) Ltd).

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

(2.52). Sand, Gravel quarry of M/s Department of industries and Commerce, Village Kadiana, Tehsil Phillour, District Jalandhar, Punjab (32.21 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd).

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

(2.53). Sand, Gravel Minor Mineral of M/s Department of Industries and Commerce, village Pandwala, District S.A.S. Nagar, Punjab (28.36) (Consultant: Grass Roots Research & Creation India (P) Ltd).

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

(2.54). Expansion of Danda Bagmandla – Saigaon Bauxite mine (ML area 148.468 ha) from 0.056 MTPA to 0.135 MTPA, at village Danda, Bagmandla & Saigaon, in Shriwardhan Taluk in Raigad District in Maharashtra (Consultant: BHAGAVATHI ANA LABS PVT LTD).

The proposal is for expansion of bauxite mining from 0.056 million TPA to 0.135 million TPA over an area of 148.468 ha Mine lease located at village Danda, Bagmandla & Saigaon, in Shriwardhan Taluk in Raigad District in Maharashtra.

The Latitude and Longitude of the site are:
18° 00' 07.921" N, 73° 03' 26.478" E
18° 01' 24.746"N, 73° 02' 50.980" E

The mine lease area is government waste land. There is no forest land in the lease area. The mining plan was approved by IBM vide letter no.- RHG/BX/MPLN-853/NGP dated 30.07.2003 and was valid upto 2003-08. Mining scheme is approved by IBM vide letter no. RHG/BX/MPLN-853/NGP dated 06.05.2009 for period of 2008-09 to 2012-13. Scheme of Mining is approved by IBM vide letter no RHG/BX/MPLN-853/NGP dated 25/27.02.2014.

Mining will be by mechanized opencast method using heavy earth moving machinery. The mining operation is proposed to be conducted in a very scientific and systematic manner, maintaining a bench height of 6 m. Drilling in hard strata will be done by jackhammer of hole dia 32mm or deep bore of hole 110 mm dia by wagon drill. Blasting will be carried out for heaving effect and fragmentation. Blasted ore will be loaded into the dumpers by loaders and will be transported to the stacking yard. Thereafter, sorting of minerals will be done and the pre-determined grade bauxite will be dispatched to the intended destinations like Aluminium / cement plants. Life of the mine is 35 years. The water requirement is estimated as 23 KLD, which will be sourced from Ground water.

Conceptual mine development will be carried out in 70.11 ha area out of which, 70.10 ha will be under excavated area entire excavated area will be reclaimed and an area of 0.01 ha will be used for roads. The area under green belt will be 0.2250 ha. 78.358 ha will be left for future usage after detailed exploration. It was reported by the PP, that at present 8400m³ waste is generated which is used for road construction. During the next 5 years, about 22,669 m³ of waste will be generated which will be used for backfilling.

Topographically the lease area is hilly and rugged, having the highest elevation of 272m and lowest elevation of 182m thus total elevation difference is of 90m. The water table in the locality is at a depth of 25 - 30 m below the general ground level of 182m AMSL). The mine workings are expected to reach to a depth of 210 m AMSL (i.e 10 m bgl). Hence, mining activities will not intersect ground water table. It was reported by the PP that there is no wildlife sanctuary/tiger reserve/national park, etc within the 10 km radius area around the mine lease.

Baseline studies were carried out during summer season 2009. All the parameters for water and air quality were reported to be within permissible limits. Additionally Ambient Air Quality survey was carried out during summer 2012. The Public Hearing for the project was conducted on 21.11.2010 at Gokhale college, Shrivardhan Maharashtra. The PH was presided over by Shri. Subhash Sonavane, Collector Raigad District. The issues raised during public hearing were also considered and discussed during the meeting, which inter-alia, included that there should not be any pollution from the mine lease area, air pollution control measures to be adopted, raising of plantation, sprinkling of water etc. As per the villager's requirements, it was informed by the PP that they would give preference to the locals for employment; health issues, providing education, and assistance in vocational training etc. These have been incorporated in the Project Plan with budgetary provisions. The estimated cost of the project is Rs 1.50 Crores. It was reported by the PP that there is no court case/litigation pending against the project.

The initial EIA was prepared and handled by Non NABET Consultant, the EAC meeting was attended and presented by Project proponent himself during 24th Meeting held during July 8-9, 2008. The committee sought additional clarifications and sought EIA report through NABET Accredited Consultant. The project was then handled by M/s Bhagavathi Ana Labs Pvt

Ltd. The TOR issued by MoEF was complied and the point-wise compliance status was included in the Revised EIA report submitted to MoEF. The proposal was further considered in the EAC meeting held during June 2-3, 2009 wherein the committee recommended the proposal. The matter was examined in the Ministry and it was decided that it may be referred back to the EAC as Public Hearing shall not be exempted for the project. The proposal was considered in the EAC meeting held during August 3-4, 2009 and proponent was requested to conduct the Public Hearing and submit the revised EIA report. On submission of revised EIA report the proposal was considered in EAC meeting held during 21-23 Feb, 2012 wherein further clarification were sought. On submission of information the proposal was considered in the present meeting.

The following are the details of information sought and reply by the PP:

S. No	Additional Information Sought	Information
i)	A CRZ status of mine lease should be given. It should include the distance w.r.t. CRZ of all tidal influenced water bodies in the area.	The mine lease does not fall under CRZ. The mine lease is located at a distance of 2.5 km from the Arabian Sea and 1.4 km away from Savitri River.
ii)	The information regarding the distance from Savitri River as given in the Questionnaire and in the presentation is at variance. This may be rechecked and reconfirmed.	Rechecked. Savitri River distance which is 1.4 km from the Mine lease area. The same has been corrected in EAC Questionnaire, Point No 6. Changes made in questionnaire.
iii)	An undertaking to the effect that all the TORs have been addressed in the EIA should be given. A status note on the compliance of TOR with corresponding relevant sections and page numbers of EIA should be indicated.	Undertaking letter is submitted along with EIA report. The compliance of TORs is included in EIA/EMP report with corresponding relevant sections and page numbers.
iv)	Water Table information should be rechecked and details furnished,	Water Table Information was rechecked. The Mining area is not intersecting ground water. The ground water table within the mine lease area is around 25 – 30m bgl. The maximum mine working depth carried is upto 10m. Hydrogeological study of the area was conducted by University of Petroleum & Energy Studies, Dehradun.

S. No	Additional Information Sought	Information
v)	Details of transportation route w.r.t. the village should be given. The nature and type of road through which the transportation will take place should be given.	Mined out bauxite will be transported through trucks upto Dighi Port. The transportation route does not pass through any village. Exclusive Mine Haul Road from Mines to PWD road (SH-100) is about 3.50 km. PWD road (SH) is black topped up to Dighi Port which is 50Km. The Exclusive mine haul Road of 3.5 km is water bound macadam Road.
vi)	The traffic issue has been raised in the public hearing. A note and action plan should be given as to how it is being addressed.	The monthly transport after enhancement will be 11,250 MT i.e. 432 MT/day involving additional 26 trucks/day from mines to Dighi Port via PWD State Highway. This road is black topped road and is in good condition. Ore is being transported by Trucks/Dumpers covered with tarpaulin sheet to prevent any spillage of dust and water sprinkling is done all along the Mine haul road for dust suppression. Regular maintenance of Road will be undertaken.
vii)	Necessary permission from the Competent Authority for drawl of ground water should be given.	23 KLD water required for Mine operation which is well below the limit of 100 KLD, as specified by CGWA in its guidelines for ground water extraction dated 15.11.2012. Hence permission from CGWB/ competent authority is not required.
viii)	The information given in the Questionnaire and presentation are not mutually consistent and needs to be rechecked and revised Questionnaire to be furnished. For example the ultimate working depth given in the Questionnaire is 5m BGL while in the presentation it is 10 m BGL.	The discrepancies observed in the Questionnaire & Presentation were rechecked and rectified in the questionnaire. The ultimate pit depth is 10m bgl only.

S. No	Additional Information Sought	Information
ix)	Drainage map of the mine site and study area stated to have been given in figure 2.2 has not been actually given. This may be furnished.	Drainage map has been provided in the revised EIA report. Sufficient number of gully check to arrest silt will be taken up during the course of mine operation. Drainage is designed to ensure that the water is diverted into the pit.
x)	Sections are not clear and need to be redone.	Sections are remade and submitted.
xi)	Noise data needs to be rechecked.	A fresh noise data has been collected for summer 2012. Additional one month monitoring data has been collected in January 2015 which indicates that the Noise levels are within the limits.
xii)	Explore possibility of reducing noise levels in the drilling. Details in this regard should be furnished.	Details of management practices to reduce noise levels during drilling operations were provided.
xiii)	The AAQ data as given in EIA is for summer of 2009 while in the mine plan it is for the monsoon of 2007. Even the monsoon data shows more values which may be rechecked.	Ambient air quality data collected during Summer 2012. AAQ values were rechecked and additional one month monitoring was carried out in January 2015 indicates parameters are within the permissible limits.
xiv)	The baseline AAQ data should be collected afresh and submitted. 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 500m of the mine lease in the pre-dominant downwind direction. The AAQ data at various locations should be collected simultaneously.	Details of ambient air quality monitoring locations were provided.
xv)	Groundwater data needs to be rechecked.	Ground water quality data has been collected during summer 2012 and winter 2015 and was provided

S. No	Additional Information Sought	Information
xvi)	The back filling is reported from 6th year; however, the area of dump is shown to increase to 16 Ha at conceptual stage. It is contradictory to each other. This may be reconciled and clarifications furnished.	The discrepancies found were corrected and a fresh mining scheme approved by IBM is submitted along with the EIA / EMP report. Backfilling will be carried after the exhaustion of mineral in the mined out pits. The backfilling will be carried concurrently to mining operation.
xvii)	Top soil and OB area has been shown as nil. This needs to be explained and material balance given. Top soil management details should also be given.	Since the area is covered by lateritic capping and there is no scope for widening the pits to a large scale. There are no chances of generating the top soil during this scheme of mining period. As and when topsoil is encountered, it will be kept separately and utilized for afforestation work. The mineral reject at an average about 22669 cum during scheme of mining will have to be handled. The area selected for dump is around 0.24 ha located outside the mineralized area within the lease, where stepwise dumping will be carried out
xviii)	Year-wise production details should be furnished.	Year wise Production Details were furnished.
xix)	Information regarding OB has to be consistent with mine plan. Copy of the mine plan and mining scheme to be furnished.	Revised mining scheme was submitted.
xx)	Compliance status of earlier EC conditions with supporting data should be given.	EC compliance status is submitted to RO office, Bhopal and the certification of same was submitted. Regular Periodic Monitoring is being conducted and all parameters are within the permissible limits.

S. No	Additional Information Sought	Information
xxi)	As grazing land is involved in the project, the steps/action taken during the last five years to address the issues of grazing land should be given.	There is no grazing land within the lease area. However it has been proposed to provide funds to support State Forest Department / village Panchayat for development of grazing land and fodder supply. In consultation with the local/forest department we will ensure for sufficient availability of fodder for the life stock around our Mining Lease.
xxii)	The biological study needs to be redone, as the earlier data is not in conformity with ecologically habitat of the terrain.	Primary survey of the biological study has been carried out by Dr. J.S.Ambhore, Head Department of Botany. Also, authenticated list of flora and fauna present in the study area has been received from forest department, Shrivardhan. The report of biological study was submitted.
xxiii)	Copy of the advertisement made for the public hearing should be given.	Copy of advertisement made for public hearing was submitted.
xxiv)	Issues raised during public hearing and the action plans to address the same should be given especially the transportation issue, accidental fall of animals in the exhausted pit etc.	Public hearing issues, proposed action plan along with budget and time frame was given.
xxv)	Water Balance keeping in view the water collected from the pit should be given.	Water balance diagram was submitted.
xxvi)	Status of lease and the lessee should be given. It may be clearly stated as to who is the lessee of the said mine and the documents should accordingly be signed by the lessee or his/her authorized signatory.	Lease deed copy is submitted along with Mining plan. M/s Alatge Stone Crushing Industries is the lessee.
xxvii)	Questionnaire needs to be refilled with correct and complete information and resubmitted.	Corrected questionnaire was submitted.

The Committee deliberated upon the project and sought details on the non-compliance points of the report of RO Bhopal and excess production done by the PP. In response the Project Proponent made following submissions:

Sl. No	Condition	Compliance status
1.	Rain Water Harvesting measures on long term shall be planned and implemented in consultation with Regional Director, CGWB.	<p>The total rainfall in this area is 4 m/ year. As per approved mining scheme, the void generation during 5 year plan period will be 17.8411 ha. i.e., 178411 sq. m / 5 year, which is 35,682 sq. m/per year</p> <p>Considering average pit depth as 5 m after backfilling, the void generated will be of 178410 cu. m / per year. The amount of rainwater that would be accumulated in the pit would be 35682 sq. m X 4 m rain water = 1,42,728 cu. m. Considering 50% of the water can be recharged, the total recharge potential would be 71,364.</p>
2	Prior Permission from the Competent Authority shall be obtained for drawl of ground water, if any.	<p>The total water requirement for the project is 23 m³/day which is sourced through tankers from local villages. Out of this 23 m³/day drinking water requirement is 3 m³/day which will be sourced from ground water.</p> <p>As per CGWB report of Raigad the entire area falls under safe category with stage of ground water development is 23.20%.</p> <p>CGWB guidelines for abstraction of ground water says that prior permission from Competent Authority for drawl of water for Industrial usage below 100 m³/day is not required.</p>
3	Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precaution of endangered fauna.	<p>A primary survey on flora and fauna was carried by Dr. J. S. Ambhore (Head, Dept of Botany), Gokhale Educational Society, Arts, Commerce and Science College, Shrivardhan, Dist Raigad and also an Authenticated List of Flora and fauna of the area is obtained through Regional Forest Office. Based on their report there are no Schedule – I species in the Study area. However, a general plan for conservation of flora and fauna has been prepared and incorporated in the EIA Report. It is proposed to invest Rs 1.50 Lakhs as Capital investment and Rs 3.00 Lakhs as Annual Recurring.</p>

Sl. No	Condition	Compliance status																														
3	Conservation Measures for protection of flora and fauna in the core & buffer zone shall be drawn up with consultation with local forest and Wildlife Department	A conservation plan for flora & fauna is prepared and included in EIA & EMP report will be strictly adhered. Funds for implementing the conservation of flora & fauna are separately allocated and shall not be diverted for any other activity.																														
4	The project authorities shall inform to the Regional office located at Bhopal regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	This is an ongoing project as the mineral reserve, Considering the proposed EC Enhancement production quantity, the life of the project is 35 years. Hence financial closure is not applicable.																														
5	Details of production since last EC was issued by MoEF	<p style="text-align: center;">YEAR WISE PRODUCTION DETAILS</p> <table border="1" data-bbox="797 846 1536 1266"> <thead> <tr> <th>Year</th> <th>Production</th> <th>EC Capacity</th> </tr> </thead> <tbody> <tr> <td>2007-2008</td> <td>49,500</td> <td>56316</td> </tr> <tr> <td>2008-2009</td> <td>56,305</td> <td>56316</td> </tr> <tr> <td>2009-2010</td> <td>72,300</td> <td>56316</td> </tr> <tr> <td>2010-2011</td> <td>57,000</td> <td>56316</td> </tr> <tr> <td>2011-2012</td> <td>56,300</td> <td>56316</td> </tr> <tr> <td>2012-2013</td> <td>57,800</td> <td>56316</td> </tr> <tr> <td>2013-2014</td> <td>56,300</td> <td>56316</td> </tr> <tr> <td>2014-2015</td> <td>45,000</td> <td>56316</td> </tr> <tr> <td>Total</td> <td>450505</td> <td>450528</td> </tr> </tbody> </table> <p style="text-align: center;">Percentage of Deviation: 0.1%</p> <p>The company had no intention of carrying out excess production. From the period of EC Grant from the date of Grant of EC April 2007, the production achieved was 4.05 LT as against the EC Quantity of 4.52 LT, The percentage of excess production is 0.1%. The excess variation in 2009-10 was due to categorization of cut of grade for Bauxite Mineral from 35% to 30%. As per the IBM guidelines/Circular No. 3/2010 and Mineral Conservation point of view the low grade Bauxite Ore was taken into production blended with high grade material for optimization of Mineral usage from Mineral Conservation Angle.</p>	Year	Production	EC Capacity	2007-2008	49,500	56316	2008-2009	56,305	56316	2009-2010	72,300	56316	2010-2011	57,000	56316	2011-2012	56,300	56316	2012-2013	57,800	56316	2013-2014	56,300	56316	2014-2015	45,000	56316	Total	450505	450528
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The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for expansion of production capacity from 0.056 million TPA to 0.135 Million TPA (ROM) of Bauxite.

The Committee **recommended** additional specific conditions viz. (i) A study from an Institution of Repute may be conducted on the impact of Bauxite dust on Crop Productivity in agricultural land located around mines and mitigation measures to be implemented by PP to reduce the impact; (ii) Recommendation by the Institute, for Crops most suited in this environment and training to the farmers to switch over to new cropping system which will sustain nutrient loading; (iii) 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. Implementation of the Recommendations of National Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (iv) Use of mechanical devices for excavating the ore and reducing use of explosives; (v) Concurrent reclamation of mined out areas; (vi) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transfer points and undertaking comprehensive study in a years' time for slope stabilization of mine benches and OB dumps; (vii) Implementation of Action Plan on the Issues raised during Public Hearing; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) A comprehensive ore evacuation plan for all existing mines of the PP in the area may be made by streamlining transport of ore based on proper study.

(2.55). Bholamal Fireclay Mines of M/s J.K & K.P. Jhunjhunwala located at village Kudaloi, Jharsuguda, Odisha (48.684ha; 3500TPA) (Consultant: Enviromin Consultant (Pvt.) Ltd.).

The proposal is for mining of Fireclay by J.K & K.P. Jhunjhunwala located at village Kudaloi, Jharsuguda, Odisha. The area is bounded by 21° 47' 32" to 21° 47' 44" North and longitudes 83° 49' 09" to 83° 49' 55" East (Topo Sheet No. 64 (O)/13). The total mining lease area of 48.684 ha, comprises of non-forest land. The scheme of mining is approved under very small Category "B" mines by Director of Mines, Odisha vide letter No. MXII (b) 36/15-4349 DM dated 23.05.2015 for a production capacity of 3500 TPA of Fire Clay which is valid upto March 2020. The PP informed that this is a Category 'A' project as mine site is located at a distance of 1.2 km from CPA. However, as per SEIAA letter it is located within the buffer zone of the CPA.

The mining lease Bholamal Fireclay Mines has been leased out to M/s. JK & KP Jhunjhunwala, in village Kudaloi under Lakhanpur block of Jharsuguda district, Odisha over an area 132.31 ha on 29.09.1964 in favour of Late Sri D.K. Jhunjhunwala for a period of 20 years. During the first renewal period the lease was executed on 27.11.1984 over 50.50 ha. in favour of Sri J.K. & K.P. Jhunjhunwala which was valid upto 26.11.2004. In the second renewal period the lease has been applied over 48.684 ha which is valid upto 25.11.2024.

The mineable reserve is estimated to be 0.191million tonnes. The life of the mines is estimated to be 54 years with a production capacity of 3500 TPA. The opencast mine has been operated since 1964, and manual mining method is adopted to excavate the ore and removal of overburden by using common mining implements like crowbar, spades, shovel, basket, etc. No drilling and blasting method is adopted. It is proposed to continue the mining on a single shift basis with manual methods. The bench height and width has been proposed to be 1.5m & 2 m respectively with an overall slope angle less than 37 degree with the horizontal. Loading is done manually through the head load transportation by the labourers with the help of baskets. The Fireclay is dispatched 10 MT/day approximately to the Lessee's refractory plant located at Baranga of Cuttack district, Odisha. The employment potential due to the project is 24 nos. A total of 9,600 cum waste material are likely to be generated for dumping during scheme period. These total wastes will be used in Quarry-6 for back filling over an area of 3,291 m² at 3.5 m thick filling. Plantation shall be done over the back-filled area to control erosion and dust generation. A total of 4.75 ha. of shall be used at the end of the life of the mine out of the total lease area of 48.684 ha.

About 4 KLD water will be required for the project activities. 1 KLD will be sourced from bore well of Kudaloi village and 3 KLD from dug well of nearby villages. The ground water level in the study area is found at 200 AMSL, whereas the ultimate working depth would be 212 AMSL. Mine working will not intersect the ground water table. There is no seasonal or perennial nala flowing within the lease area. A seasonal nala namely Linari nala which is flowing in the east direction of the lease area at a distance of 1.1 km and joins IB river which is the principal drainage system of the region.

Baseline studies were carried out during Winter season of Dec.2013 to Feb.2014. Ambient Air monitoring was carried out in 8 locations within the study area. The 98 percentile values of 24 hourly PM₁₀ were varied from 62.8 to 73.9 µg/m³. The Particulate matter concentrations at all the monitoring locations (Residential & Sensitive area) and ML area (industrial area) were observed to be within the stipulated ambient air quality standard. The SO_x and NO_x levels were within the permissible limit of National Ambient Air Quality Standard for Industrial and Residential area.

The surface water quality study indicates that quality of water bodies is relatively good apart from slightly high suspended and dissolved solids. The DO level is between 5.8 to 7.2 mg/l. BOD values is between 1.5 to 2.0 mg/l. The Ground water result shows all the parameter within the BIS drinking water standards (IS 10500). The total hardness, iron, calcium, magnesium, chloride and sulphate level in all the sampling sites was within the permissible limit. From four locations soil samples collected for analysis result shows that soil was slightly acidic & one location is slightly alkaline in nature, pH varies from 6.4 to 7.1. The organic carbon in the samples analyzed ranges from 0.63-1.38%.

There is no sensitive ecological habitat like National Parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves within 10 km radius of ML area. The estimated Project Cost is Rs. 94 lakhs. The expenditure cost for environmental control measures is estimated to be Rs 5 lakhs as capital cost and Rs 4 lakhs as recurring cost annually.

The TOR to the project was issued vide letter dated J-11015/816/2007-IA.II(M) dated 04.04.2008 baseline data was collected during March-May 2010 and December 2013-

February 2014. The EIA report was submitted after expiry of TOR, The proposal was therefore not considered by MOEF. The proposal is being considered on the direction of Hon'ble High Court in its order dated in W.P. (C) no. 17989 of 2014 dated 26.11.2014.

It was noted that this is a **violation case** as mine lease renewal fell due in 2004 and was operating from 2004 to 2010 without obtaining environmental clearance. Based on discussion held and presentation made the EAC decided to **deferred** the proposal and sought the following information/clarifications for further decision on the matter:-

- (i) A letter from CPCB/SPCB to ascertain the exact location of project site from the critically polluted area.
- (ii) The authenticated list of flora and fauna shall be provided.

(2.56). Pardawan Silica Sand Mine of M/s Rai Bharat Das and Brothers at Village Pardawan,, District Chitrakoot, Uttar Pradesh (93.15ha)(2,50,000TPA) (Consultant: Grass Roots Research & Creation India (P) Ltd.).

The proposal of Pardawan Silica Sand Mine along with crushing & washing Unit of M/s Rai Bhart Das & Brothers for mining of Silica Sand at village Pardawan, Tehsil- Mau, District- Chitrakoot, Uttar Pradesh with proposed production capacity of 2,50,000 TPA of silica sand in the mine lease area of 93.15 ha. The Latitudes and Longitudes of the mine lease area lies between 25°14'01.1" to 25°15'20.6" N; and 81°32'52.5" to 81°33'45.6" E on Survey of India toposheet numbers 63G/11. The Project is located in Seismic zone-III.

The project has been considered for TOR in 21st Meeting of Expert Appraisal Committee. The TOR has been granted on 30.03.2012. The TOR issued was expired on 29.03.2014. It was extended by MOEF vide letter No. J-11015/187/2011-IA.II(M) dated 01.10.2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing. The mine lease area is 93.15 ha which is partly Government & Private Land. No forest land is involved.

Mining lease was granted over an area of 93.15 ha in favor of M/s Rai Bhart Das & Brothers, for a period of 20 years from 18.01.1973 to 17.01.1993. The lessee applied for 1st renewal on 11.01.1992 for further 20 years period w.e.f. 18.01.1993 to 17.01.2013. The lessee again applied for 2nd renewal of mining lease on 04.10.2011 as the 1st renewal was not accorded and the 2nd renewal felt due the renewal is pending with the State Government. The Mining plan along with progressive mine closure plan has been approved by IBM, Jabalpur on 28.05.2014 vide letter no. UP/Allahabad/ Silica Sand MPLN/R-81/13-14.

Proponent informed that 82.0 ha area will be used for excavation, 0.50 ha for road, 5.55 ha for Green belt development. Mining is done by opencast semi mechanized method. Excavation will be carried out up to a maximum depth up to 20 meter. Anticipated life of mine is 20 years. Mineral will be transported through road. Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves falls within the study area (10 km radius of the mine boundary). The total water requirement is 30KLD including water demand for domestic purpose, dust suppression and green belt development which shall be met by tanker supply.

The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged. The baseline data was generated for the period during March 2012 to May 2012. All the parameters for water and air quality were within permissible limits. The Public Hearing for the proposed Project was conducted on 31.01.2014 at 10:00 am at Pardawan Village- Pardawan, District- Chitrakoot, Uttar Pradesh. The Public hearing was presided over by Shri. Santosh Kumar, Upper Collector, Chitrakoot, UP. The representatives from the Uttar Pradesh 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 cost of the Project is Rs. 2 Crores. And Rs 20 lakh is allotted for EMP implementation.

The PP clarified that the project is not a violation case as maximum production of 41,987.400 was achieved during the year 1981-82. However, during the TOR presentation the details of 1987 were given which resulted into the conclusion that this is a violation case. The Committee therefore decide not to consider the project as violation case.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for production capacity of 2,50,000 TPA (ROM) of Silica sand mine with additional specific condition as the greenbelt was not developed since last 40 years of mine working therefore 5.5 ha of area marked for green belt shall be developed and certification to this effect shall be obtained from Regional Office, Lucknow prior to starting the Mining activity.

(2.57). Lime Stone Mine of M/s My Home Industries Ltd. located at Choutapalli village, Mattampalli Mandal, Nalgonda District, Telangana (156.586 ha) (Capacity 2.72 MTPA)(Consultant: B.S. ENVI-TECH (P)).

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 16th 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 MoEF vide 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.

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). Mining depth will intersect ground water table when it reaches a depth of 30 m.

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 required is estimated to be about 30 m³/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 are rainwater harvesting, plantation and adoption of village. 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 suggest 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.

Based on discussion held and presentation made the EAC decided to **deferred** the proposal and sought the following information/clarifications for further decision on the matter:-

- (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.

(2.58). Mining of Mineral Sand, Bajri & stone with proposed production capacity of 83,700 TPA (ROM) of Sh. Gajenderpal Singh, M/s Balaji Stone Crusher, Rampur, Paonta Sahib (10.5408 ha; 83,700 TPA) (Consultant: Grass Roots Research & Creation India (P) Ltd.).

The proposal of Sh. Gajendrapal Singh M/s Balaji Stone Crusher is for mining of Sand, Stone and *Bajri* Mining Project (Minor Mineral) at Village: Mohkampur, Tehsil: Paonta Sahib & District: Sirmour, Himachal Pradesh with proposed production capacity of 83,700 TPA (ROM) of Sand, Bajri & stone in the mine lease area of 10.5408 ha. The mine lease area lies on Giri River. The Latitudes and Longitudes of the mine lease area lies between 30°28'14.53"N to 30°28'10.48"N and 77°41'11.37"E to 77°41'31.83"E on Survey of India toposheet numbers 53 F/11. The Project is located in Seismic zone- IV.

The proposal of TORs was considered by the EAC in its Meeting held on 21st-23rd August, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF vide letter No. J-11015/188/2013-IA.II (M), dated 5th November, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 10.5408 ha which is on Giri River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Silica Boulder, Boulder, Sand and Bajri over an area of 10.5408 ha has been granted from State Geologist, Govt. of Himachal Pradesh vide letter dated 30.01.2014 for the period of 15years. The Mining Plan is approved by State Geologist, Govt. of Himachal Pradesh vide letter no. Udyog-Bhu (Khani-4) Laghu 1249/2008-12038, dated 30.01.2014.

Mining will be done by manual opencast method. Mining will be done in scientific and systematic manner as planned in a rotational way. Excavation will be carried out up to a maximum depth of 1 meters from surface of deposit and not less than one meter from the water level of the River Channel whichever is reached earlier. Mining will be done leaving sufficient safety barrier of 1/5th of width of the Giri River for bank stability. Restoration of banks will be done Mineral will be transported through road.

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).

However, Aasan Conservation Reserve lies within the 4 km radius of the project site and interstate boundary between Himachal Pradesh & Uttarakhand is about 2 km, Himachal Pradesh & Uttar Pradesh is 9 km and Doon Valley lies at about 3 km from the lease area that makes the project of Category "A". At the time of TOR it was submitted by the PP that Simbalbara Wildlife Sanctuary lies at a distance of 8 km, now PP has submitted a certificate from DFO no. WLM/Mining/7192 dated 13.03.2015 that Simbalbara Wildlife Sanctuary lies at a distance of 14 km. The project therefore does not require NBWL clearance.

The total water requirement is 2.15 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. No ground water interception during the mining operations is envisaged.

The baseline data was generated for the period during December 2013 to February 2014. All the parameters for water and air quality were within permissible limits. The Public Hearing for the proposed Project was conducted on 15-10-2014 at 11.00 a.m at village: Mohkampur Nawada, Tehsil Paonta Sahib, Distt: Sirmour, Himachal Pradesh. The Public hearing was presided over by Additional District Magistrate. The representatives from the Himachal Pradesh 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 mining in night time, inspection of mining of activity etc.

The cost of the Project is Rs. 30 Lakhs. The Proponent has earmarked Rs. 5.30 Lakhs towards Environmental Protection Measures and Rs. 4.20 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1, 10,000 per annum have been earmarked towards CSR activities for next five years of mining operation.

The PP informed that mine lease had been allotted in the name of M/s Gajendrapal Singh and the permission for installation of crusher is in the name of M/s Balaji Stone Crusher. The Pollution Control Board had therefore conducted public hearing in the name of M/s Balaji Stone Crusher. To this effect PP submitted an affidavit stating that both the units are owned by Shri Gajendrapal Singh of M/s Balaji Stone Crusher.

The Committee after detailed deliberation **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 83,700 TPA (ROM) in the MLA 10.5408 ha.

The Committee **recommended** additional specific conditions viz. (i) 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; (ii) 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; (iii) 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; (iv) 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; (v) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vi) 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; and (vii) Washing of all transport vehicle should be done inside the mining lease.

(2.59). Bathu Silica Boulders, Boulders, Sand & Bajri Mining of M/s Himachal Chemicals & Silicate Works located at Mauza Batha, Tehsi – Haroli District Una, Himachal Pradesh (32,800 TPA (ROM); 8.17 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd).

The proposal of M/s Himachal Chemicals & Silicate Works is for mining of Silica Boulder, Boulder, Sand and Bajri Mining Project (Minor Mineral) at Village: Bathu, Tehsil: Haroli & District: Una, Himachal Pradesh with proposed production capacity of 32,800 TPA (ROM) of Silica Boulder, Boulder, Sand and Bajri in the mine lease area of 8.17 ha. The mine lease area lies on Jakhewal Khad. The Latitudes and Longitudes of the mine lease area lies between 31°19'16.779"N to 31°19'22.504"N and 76°15'54.864"E to 76°15'31.397"E on Survey of India toposheet numbers 53 A/7. The Project is located in Seismic zone-V.

The proposal of TORs was considered by the EAC-MoEF, in its Meeting held on 26th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF vide letter No. J-11015/108/2013-IA.II (M), dated 16th 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 8.17 ha which is on Jakhewal Khad. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Silica Boulder, Boulder, Sand and Bajri over an area of 8.17 ha has been granted from State Geologist, Govt. of Himachal Pradesh vide letter dated 21.02.2009 for the period of 20 years to M/s Himachal Chemicals & Silicate Works, Himachal Pradesh. The Mining Plan is approved by State Geologist, Govt. of Himachal Pradesh vide letter no. Udyog-Bhu (Khani-4) Major 143/2005-9557, dated 07.12.2009. The inclusion of associated minerals like river borne stone (low in silica), bajri and sand in the major mining leases vide letter no Udyog-Bhu (Khani-4) Major 143/2005-2334 dated 21.06.2013.

Mining is by manual opencast method. Mining will be done in scientific and systematic manner as planned in a rotational way. Excavation will be carried out up to a maximum depth of 1 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Mining will be done leaving sufficient safety barrier of 1/5th of width of the khad for bank stability. Restoration of banks will be done Mineral will be transported through road.

It was reported by the Project Proponent 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). However the project site lies within interstate boundary between Himachal Pradesh & Punjab within 5 km radius of the lease area that makes the project of Category "A". The total water requirement is 2.59 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. No ground water interception during the mining operations is envisaged.

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. The Public Hearing for the Project was conducted on 29.12.2014 at 11.00 a.m at village: Bathu, Tehsil: Haroli & District: Una, Himachal Pradesh. The Public hearing was presided over by ShriPratap Singh Shah, Additional District Magistrate (Finance & Revenue). The representatives from the Himachal Pradesh 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, vehicles of local people for transportation of materials, effective implementation of measures to control dust pollution and materials given should be free of cost and to the beneficiary of Indira Awas yojna and other funds for environment management.

The cost of the Project is Rs. 22 Lakhs. The Proponent has earmarked Rs. 5.25 Lakhs towards Environmental Protection Measures and Rs. 3.55 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1, 10,000 per annum have been earmarked towards CSR activities for next five years of mining operation.

The Committee deliberated at length and **recommended** the Proposal for environmental clearance for extraction of Silica Boulders, Boulders, Sand & Bajri Mining of M/s Himachal Chemicals & Silicate Works for 32,800 TPA (ROM) in 8.17 ha mine lease area.

The Committee suggested additional specific conditions viz. (i) 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. Implementation of the Recommendations of National Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities.

(2.60). River Bed Mining of Sand, Stone and Bajri of M/s Sanjay Kumar Bhutail at Village-garli, PO-Paraghpur, Tehsil Dehra, District Kanga, Himachal Pradesh(13.3786ha; 70800 MTPA of Stor & Bajri and 23600 MTPA of Sand)(Consultant: Idma Laboratories Ltd.).

The mine lease area is 13.3786 ha. It was noted by the Committee that the proposal was category B project as the Pong dam Wildlife Sanctuary is located at a distance of 7 km from the mine lease area. The Committee therefore recommended **transfer** of the proposal to SEIAA for consideration.

(2.61). Murli Pahari Limestone Mine of M/s Kalyanpur Cements Ltd. located at Rohtas, Bihar (53.378ha) (10,00,000 TPA) (Consultant: Grass Roots Research & Creation India (P) Ltd.)

The proposal of M/s Kalyanpur Cement Ltd, is for mining of Lime Stone in Murli-Pahari Lime Stone Mine with production capacity of 10,00,000 TPA of Lime Stone in mine lease area of 53.378 ha. The mine lease area is located at village- Murli-Pahari, Sub-division-Dehri-on-Sone, District- Rohtas, Bihar. The Latitudes and Longitudes of the mine lease area lies between 24°39'0" to 24°39'31.8" North; and 83°58'30.2" to 83°58'59.5" East, on survey of India toposheet no 63P/14. The Project is located in seismic zone-III. The interstate boundary between Bihar & Jharkhand is situated at a distance 2.49 km in South East direction from mine lease area.

The Project has been considered for TOR in November 2011 in 21st Meeting of constituted Expert appraisal committee. The project was reconsidered for TOR in EAC meeting held during March 19-21, 2012. The TORs were issued by EAC vide letter no. J-11015/247/2011-IA.II (M) dated 20th May, 2014. The proposed project is an open-cast mining project, confined to excavation of Lime Stone from the proposed site.

Total mine lease area is 53.378 ha which is government waste land. The operations will be fully mechanised method with HEMM means. The ML area was previously granted for a period of 20 years w.e.f. 02.01.1992 to 01.01.2012 over an area of 53.378 ha. The lessee has filed application for renewal of ML in Form J on 09.12.2010 as per the provisions of Rule 24 of MCR 1960. The Mining Plan and Progressive Mine Closure Plan in respect of Murli Pahari limestone mine (53.378 ha) has been approved by IBM vide letter no: 314/ (3)/2011 on 21.5.2012 for period of 2011-12 to 2015-16.

The transportation from mine head to destination will be done through road. At the end of life of mine the entire excavated area will be rehabilitated and reclaimed by backfilling. Total water requirement for the project is 38.6 KLD, which will be met from dug wells/ bore wells of nearby site services. Mine working will intersect the ground water for which hydro geological study has been done. The permission from CGWA for intersecting the water table is yet to be obtained.

It was recorded that it was a violation case of provisions of the EIA Notification 2006 as the production from the mine was enhanced after EIA Notification, 1994 coming into force without obtaining prior environmental clearance & also the mine lease renewal fell due in 2012. The action as per No. J-11015/102/2013-IA.II (M) dated 27.06.2013 for fulfillment of violation i.e. Credible action from the State Govt., Board Resolution from the PP and Directions under section 5 to PP was initiated. The PP had submitted the copy of Board Resolution of the meeting held on 25.05.2012, a letter from Environment and Forests Department, Bihar stating that Credible Action against Kalyanpur Cements Ltd. has been taken by filing a complaint case in the Court of Chief Judicial Magistrate, Rohatas at Sasaram and a letter from Mining Officer no. 142/M dated 02.04.2014 that mining activity is closed.

Project Proponent reported that no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves exist within 10 km of the mine lease area. However, the Kaimur Wildlife Sanctuary is situated at 1.5 km distance in NW direction. Application for NBWL Clearance has been already made on 27.09.2011. There are two Schedule-I species namely Indian Leopard and Sloth bear is reported in the Study area. Lessee has prepared conservation plan and submitted its application for approval of conservation plan to Chief conservator of forest-cum-chief wild life warden Govt. of Bihar.

The baseline data was collected during Pre Monsoon Season 2014 (March-May 2014). All the parameters were within permissible limits. The Public Hearing was held on 19.10.2014 at 11:00 am near project site, Baknura and presided over by Mr. Ram Shankar Singh, Additional Collector District Rohtas. The Committee discussed the issues raised during Public Hearing which inter-alia, included, socio- economic development viz. infrastructural development, Health, Education etc.; Drinking water supply, environment related issues, employment, Road & Transportation etc. As per the villager's requirements the company would take care of socio-economic development under Corporate Social Responsibility, Environmental Mitigation measures will be undertaken. Total estimated cost of the Project is Rs. 27.64 crore. Proponent has earmarked Rs. 9 Lakhs for Environmental Protection Measures as Capital Cost and Rs. 6 Lakhs per annum as recurring cost.

It was noted by the Committee that report has been carelessly prepared by the consultant and recorded typographical errors which, *inter alia*, included:

- i. The page numbering of the report was not properly done the annexure referred in text and that enclosed were not in conformity.
- ii. The date of advertisement and that of public hearing were mentioned as 19.09.2014 in the questionnaire.
- iii. The copy of advertisement with date mentioning the name of news paper is not provided in EIA report.

The Committee suggested consultant to prepare EIA reports with caution. The Committee deliberated at length and **recommended** the Proposal for environmental clearance. The Committee also suggested the following additional conditions:

- a. As the greenbelt was not developed since last 40 years of mine working therefore 7.5 m wide area marked for green belt at periphery of mine lease shall be developed and certification to this effect shall be obtained from Regional Office, Ranchi prior to starting the Mining activity.
- b. As part of mitigation measures to avoid adverse impact of mining operations on habitations/villages, the Project to comply with applicable conditions of OM dated 29.10.2014.
- c. The project proponent should obtain permission from CGWA for intersecting the water table before commencement of Mining Operation.

(2.62). Proposed expansion of Mineral beneficiation (Manganese ore) of capacity to 12,000 TPA of M/s Paonarkhari Minerals and Chemicals (PMC) pvt. Ltd. located at Village Paonarkhari, District Bhandar, Maharashtra (Consultant: Asian Consulting Engineers Pvt. Ltd.)

The proposal is for Mineral beneficiation (Manganese ore) of capacity to 12,000 TPA. It was noted by the Committee that the proposal was category B project as the interstate boundary is 5.8 km from the project site. The Committee therefore recommended **transfer** of the proposal to SEIAA for consideration.

(2.63). River Bed Mining Project of minor minerals of M/s Shri Ram Kumar, Village Daso majara, Kol, Malpur, Bhud, Tehsil nalagarh, District Solan, Himachal Pradesh (1,35,000 TPA; 56.324 ha) (Consultant: Udaipur Min Tech Pvt. Ltd.)

The proposal of Ram Kumar S/o Shri Lajja Ram, at Solan is for mining of Sand, (Minor Mineral) with proposed production capacity of 1,35,000 TPA (ROM). The mine lease area is located at Dasomajra, Kol, Malpur, Bhud Tehsil - Nalagarh, District - Solan, State - Himachal Pradesh. The mine lease area of 56.324 ha The Latitudes and Longitudes of the mine lease area lies between 30° 56' 15'' - 30° 57' 05'' Nand 76° 45' 24'' - 76° 46' 24'' E on Survey of India toposheet number 53 B/13. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its Meeting held during 22-23 Dec. 2011 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/232/2011-IA.II (M), dated 28th March, 2011.

The mine lease area is 56.324 Ha which is River bed mining project. No forest land is involved. The lease area was granted in favor of Mr. Ram Kumar s/o Shri Lajja Ram, vide order no. Udyog-Bhu (Khani-4) Laghu-72/96 -4070 dated 04.08.1997 for five year for collection of sand, Bajri & stone mining. The Working cum Environment Management plan was approved vide letter no. Udyog-Bhu(Khanij-4) Laghu- 72/96- 3017 on dated 01.07.2011. Mining of Sand, Stone & Bajri in the part of Sirsa khad and lease area is 56.324 hectare (Govt. Land). Mining will be carried out by opencast manual method. The mineral/ martial will be loaded manually in transportation vehicle. The production of mine is 1, 35,000 tons per annum. The elevation is 360mRL – 371mRL. The Ground water depth is 12 to 15mt from the ground level.

The total water requirement is 10KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by dug well outside lease area, no ground water interception during the mining operations is envisaged. The mining shall be done manually. No mining machinery shall be deployed. The working period for mining will be restricted to 270 days (nine months) and during three month of rainy season no mining shall be undertaken. Mineral will be transported through road. Speed breakers and signage will be maintained at the sensitive places.

It was recorded that it was a violation case of provisions of the EIA Notification 2006 as the Proponent did not obtained prior environmental clearance at the stage of 2nd renewal in August 2007. The action as per No. J-11015/232/2011-IA.II (M) dated 31.01.2012 for fulfilment of violation i.e. credible action from the State Govt. Board Resolution from the PP and Directions under section 5 to PP was initiated. The PP had submitted the copy of Board Resolution in form of affidavit dated 14.03.2012 stating the violation will not be repeated in the future. The letter from Environment and Forests Department, Himachal Pradesh stating that Credible Action against M/s Shri Ram Kumar has been taken by filing a complaint case in the Court of Chief Judicial Magistrate, Nalagar District Solan Himachal Pradesh. The letter from Mining Officer no. PCB/148/Ms Rama Stone Crusher/14-23746 dated 08.01.2015 that mining activity is closed was also submitted.

It was reported by the PP that no 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 April to June 2012. The PP also submitted the data for month of March 2015. All the parameters for water and air quality are within permissible limits. The Public Hearing for the proposed Project was held on 11.09.2013 at village – Daso Majra, Near Sirsa River, Tehsil – Nalagarh, District – Solan, Himachal Pradesh. The public hearing was presided over by ADM. The suggestion, objection were invited from the local people regarding the project. During the public consultation, no objection regarding the project has been received. The public at large supported the project as it would provide the employment and other facilities.

The cost of the project is Rs 76.30 Lakhs. The capital cost of EMP will be Rs11.0 lakhs & recurring cost will be 6.30 lakhs & and amount earmarked for social fund is Rs 10 lakhs for the plan period.

The Committee after detailed deliberation **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 1,35,000 TPA (ROM)in the MLA 56.324 ha.

The Committee **recommended** additional specific conditions viz. (i) 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; (ii) 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; (iii) 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; (iv) 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; (v) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vi) 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; and (vii) Washing of all transport vehicle should be done inside the mining lease.

(2.64). Sand, Stone and Bajri Situated in khasra Number 1834/1 of M/s D.R. Stone Crusher located at Mauzariyali, Tehsil Fatehpur, District Kangra, Himachal Pradesh (12.1816 ha, 56,250 metric TPA) (Consultant: SHIVALIK SOLID WASTE MANAGEMENT LTD.)

The proposal is river bed Sand, Stone and Bajri mining with proposed production of 56,250 metric TPA by M/s D.R Stone Crusher at Khasra No. 1834/1, located at Mauza Riyali, Tehsil Fatehpur, District Kangra, Himachal Pradesh. The proposal is also for installing the crusher unit. The Latitude and Longitude of the proposed site is 32° 01' 15.1" N -75° 45' 55" E to 32° 01'15.6" N - 75° 46'48.7" E. The proposal was considered as Category A as it is located at a distance of 4.5 km from interstate boundary of Himachal Pradesh and Punjab.

The proposal was considered by the Expert Appraisal Committee in its 13th Meeting held on 12th November 2013 to determine the terms of reference for undertaking detailed EIA study. The TOR was issued by MOEF vide letter No. J-11015/383/2013-IA.II (M) dated 2nd January, 2014 for mining of 56,250 TPA of minerals from the bed of River Beas. The mining lease area is 12.1816 ha is a riverbed. The mining plan is approved by Geology Wing of Industry Department, Himachal Pradesh. The mining plan is approved by State Geologist vide letter No Udyog – Bhu (Khani- 4) Laghu – 449/09/3226 dated 02nd July 2014.

The mining method shall be manual using hand tools for collection of Sand Stone and Bajri from the riverbed. The water requirement for the project is 0.84 KLD for drinking and sprinkling purpose for dust suppression. There is no intersection of ground water as mining would be carried out for one meter depth bgl only. The Project Proponent reported that there is no protected areas viz. wildlife Sanctuaries/ Tiger Reserve/ National Park/ Schedule I species etc. within 10 km radius of the of the mine lease area.

Baseline studies were carried out during pre-monsoon season in 2014 (March to May 2014). All the parameters of water and air quality were within permissible limits. The public hearing for the project was conducted on 10.11.2014 near mining lease area at Mauza Riyali, Tehsil Fatehpur, District Kangra, Himachal Pradesh. The Public Hearing was presided over by Mr. Rakesh Sharma, ADM of Distt Kangra. The issues raised during the public hearing were also considered and discussed during the meeting, which inter-alia, included that mining activities are carried out as per stipulate guidelines, sprinkling of water etc. as per villager's requirements, it is informed by the Project proponent that they would take care of local employment, invest funds for social development in the area etc. These have been incorporated in the Project plan and budgetary provisions.

The estimated cost of the proposed project is Rs 39.326 lakhs. The recurring cost for Environmental Management measures will be around Rs.11.5 lakhs and capital cost for Environmental Management measures will be Rs. 5.15 Lakhs. Project Proponent has made provision of providing free building material for school, religious building etc in consultation with Village Panchayat under CSR activity. Rs. 2,25,000/- will be for the CSR activity. It is reported by Project Proponent that there is no court case / litigation against the project and no violation.

The Committee after detailed deliberation **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 56,250 metric TPA (ROM) in the MLA 12.1816 ha.

The Committee **recommended** additional specific conditions viz. (i) 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; (ii) 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; (iii) 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; (iv) 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; (v) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vi) 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; and (vii)

Washing of all transport vehicle should be done inside the mining lease.

(2.65). Renewal of Mining Lease of Niduzuvvi Limestone Mine with production capacity of M/s The India Cements Ltd at Village Niduzuvvi, District Kadapa, Andhra Pradesh of 1.00 MTPA (335.06 ha) (Consultant: B. S. Envi-Tech Pvt Ltd)

The Niduzuvvi Limestone Mine of M/s The India Cements Limited is located at Niduzuvvi Village, Yerraguntla Mandal, YSR Kadapa district of Andhra Pradesh. The mine area is a part of the Survey of India Toposheet No 57 J/10. This Mine site falls between 78° 29' 23.4" to 78° 31' 14.2" East longitude and 14° 37' 48.8" to 14° 39' 19.9" North latitude with an average altitude of 180 m above msl.

The proposal was considered in the EAC meeting held during April 16th-18th, 2013. The TOR was issued vide Letter No. J-11015/283/2012-IA.II(M) dated 17th June, 2013

The mine lease area is 335.06 Ha. No increase in the production or the mine lease area is proposed. The proposal is for renewal of mine lease. The Mine Lease expired on 16-01-2014. ICL had applied on 12-12-2012 to the Government of Andhra Pradesh for the renewal of the lease.

The proponent received Environmental clearance vide no. J-11015/9/88-IA.I dated 26.8.1990 i.e. prior to 1994 EIA Notification. The Certified Compliance for the same was discussed by the Committee. The 327.67 ha of Mining lease is private land and 07.39 Ha of Mining lease is Government waste land. The Mining plan is approved by IBM vide Letter IBM approval Letter No. No: 659(218)/LST/97/NLR Dt: 25/08/2014.

Mining will be carried out by opencast mechanized method with the help of drilling, blasting and loading. The water consumption of the mine is 100 m³/day for sprinkling on main mine haul roads and feeder roads. This requirement is met from mine pit (rain water). It is reported by the project proponent that there is no court case/litigation pending against the project.

The mine is a generally flat with gentle undulating terrain. The maximum altitude is about 170m msl with average MSL of 100m. The ultimate depth of mining is 30 m bgl, i.e 140 m above msl. The water table lies at 60 m bgl (110 m amsl) from the general ground level of 98 m AMSL. The mine will be worked upto a depth of 30 m -140 m amsl) which is above the water table. Hence there is no possibility of encountering ground water in the working pits. The low grade ore generated ,will be blended with superior grade and consumed wholly , as such no permanent dump will be there. About 167 Ha area will be converted into water reservoir conceptually and 156 Ha area will come under greenbelt development.

It was reported by the PP 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 Post Monsoon Season - 2013 covering

the months of October to December, 2013. The Public Hearing for the Proposed Project was conducted on 30.01.2015. The Public Hearing was presided over by the Joint Collector, the issues raised are Employment for locals, village development, infrastructural facilities in surrounding villages Health camp surveys. Action plan and budgetary provision for public hearing was provided.

No capital budget is proposed as no additional measures are proposed for implementation. The mine will continue to operate at 1.00 MTPA. However, recurring expenditure of Rs 10 Lakhs /annum is earmarked for implementation of EMP measures. ICL is spending about Rs.30 Lakhs per annum towards the Enterprenuer Social Commitment. It was reported by the PP that there is no litigations pending against the project with direction /order passed by any Court of Law.

The Committee, after detailed deliberations, **recommended** the Proposal for grant of environmental clearance for renewal of Mining Lease.

(2.66). Bangur Chromite Mining Project of M/s the Orissa mining Corporation Limited located at village(s) Bangur, Dhanurjapur and Kusatikri, Tehsil Hatadihi, District Keonjhar, Orissa. (139.94ha)(Consultant: SENES Consultants India Pvt. Ltd)

The proposed Bangur leasehold area of OMCL measures 139.94 ha. The nearest water source is the Salandi river flowing west of the mines at a distance of about 2.5 km. The deposit is covered under Survey of India toposheet No. 73 K/7 and bounded by Latitudes 21°15'38" and 21°16'55" N and Longitudes 86°19'14" to 86° 20' 10" E.

The lease area is located between altitudes 85 mRL and 45 mRL. At about 1.5 km northwest of the lease area, there is a narrow valley through which Salandi Nadi is flowing southwards. About 3 km northwest of the lease area, the valley has been dammed to create a large reservoir i.e. Hadagarh Reservoir which extends for more than 7.5 km towards the northwest.

The mining lease area over 145.85 ha for chromite was executed on 02.09.1975 for a period of 20 years and the tenure of lease expired on 02.09.1995. Subsequently, the PP submitted application on 22nd November 2004 to the Directorate of Mines, Govt. of Odisha for renewal of 139.94 ha non-forest land excluding the no ore bearing forest area of 5.91 ha. The Scheme of Mining along with Progressive Mine Closure Plan over an area of 139.94 ha is approved by IBM vide letter No. MS/OTF.MECH/ 48-ORI/BHU/2009-10 dated 19.02.2010. IBM has approved the final mine closure plan over surrendered area of 5.91 ha vide letter No. FMCP/OTF-MECH/06-ORI / 2007-08 dt 21.02.2008. State Government in the Department of Steel and Mines has allowed extension of lease period up to 31.03.2020 vide letter No.III (CR) SM-02/2010 1790/SM dt 21.02.2015 with an advice to OMC to execute the supplementary lease deed over 139.94 ha.

It is reported by the PP that the southern part of the Bangur chromite deposit had been exploited by opencast method of mining up to its economic limit. As part of the area could not be exploited by opencast method due to non-availability of surface rights over the un-mined mineralized area in the leasehold hence mining by underground method shall be followed for this mineralized zone. Exploitation of mineral deposit below the opencast pit will be taken up. Underground mine will be working for 300 days a year with three nos. of eight hour shifts daily. Rated production shall be of 0.6 Mt/y. Life of underground mine will be 28 years.

It was reported by the PP, that based on the development and stoping schedule during the scheme period the generation of waste will be 11576 m³ and 10588 m³ from development and stoping respectively and the same shall be dumped over an area of 0.25 ha on non- mineralized zone at 10 m height outside the ultimate pit limit.

About 600 m³/day water will be pumped out from the underground. The mine discharge water will be first treated to remove hexavalent chromium from the water. The 65 m³/d water shall be drawn from borewell. 105 m³/d water (135 m³/d in peak season) shall be taken from the treated mine discharge water. Total 80 m³/d water (90 m³/d in peak season) of water shall be recycled back. In the expansion phase direct manpower strength shall increase by 50 persons.

It was reported by the PP that the Project site is located within 0 km from the Hadgarh Wildlife Sanctuary. The 10km radius around the mining lease also includes Boula Reserved Forest, Hadagarh Reservoir and Salandi River. Schedule - I faunal species like Indian Elephant (*Elephas maximus*), Sloth Bear (*Melursus ursinus*), Wolf (*Canis lupus*), Pea Fowl (*Pavo cristatus*) are existing within 10 km radial area around mining lease.

The baseline data was monitored during Post monsoon (2005) and Winter (2005-06) seasons. Also the baseline studies were carried out during summer 2009. All the parameters for water and air quality were within permissible limits. The Public Hearing for the Proposed Project was conducted at Bangur G.P. on 31.08.2009. The PH was presided over by Shri B.K. Bilung, Additional District Magistrate, Keonjhar. The issues raised during public hearing were also considered and discussed during the meeting, which inter-alia, included that there should be more employment of local workers who are technically suitable for underground mining, additional installation of tube wells in prioritized location, contribution of funds for road repairing work to the appropriate authority, health care, air pollution control measures to be adopted, raising of plantation, supply of mine drained water to the farmers for agriculture purposes etc. As per the villager's requirements, it was informed by the PP that they give preference to locals for employment; health issues, contribute funds for the said repairing work, plantation, supply of mine drained water through settling tank to the farmers etc. These have been incorporated in the Project Plan with budgetary provisions.

The estimated cost of the project is Rs. 12.00 Crore. It was reported by the PP that there is no court case/litigation pending against the project and no violation has been committed.

The proposal was earlier considered by EAC in its meeting held during 19-21st November 2008. The proposal was granted TOR on 22nd December 2008. The proposal was considered by EAC in its meeting held during November 2009 and 17-19 March 2010 wherein EAC recommended the proposal for grant of EC. The matter was examined in the Ministry and it was observed that the Hadgarh Wildlife Sanctuary was reported to be located at a distance of 5km from the mine lease for which the Ministry had while prescribing addition TOR to the project on 22.12.2008 prescribed specific TOR No. (xiv). Whereas the proponent during the presentation for environmental clearance before the EAC(M) on 17th -19th March, 2010 had categorically mentioned that no National Park/Sanctuary is reported within 10Km of the mine lease. The PP was requested to clarify the matter in the first instance, based on the same further decision on the consideration of the proposal was to be taken. In the meantime, PP was advised to obtain the requisite NOC from the Chief Wildlife Warden in view of the location of mine within 5 km of the Hadgarh Wildlife Sanctuary.

It was informed by the PP that mine site is located from 0 to 1.7 km from Hadgarh Wildlife Sanctuary. The proposal was considered in the 31st Meeting of Standing Committee of NBWL wherein proposed site is recorded as 1 to 1.6 km from the Hadgarh Wildlife Sanctuary. The NBWL recommended the proposal stipulating two conditions as given under:

- (i) Odisha Mining Corporation will limit transportation of minerals to maximum 600 trucks per month during day time.
- (ii) The project proponent shall maintain all the mining parameters prescribed by IBM and other regulatory authorities.

In addition to the above conditions Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, Odisha considering the Hon'ble Supreme Court order dated 04.08.2006 in IA. 1000 regarding Jumua Ramgarh Sanctuary vide letter No.517/1WL (C)-SSP-254/2012 dt 21.01.2015 imposed the following conditions:

- (i) Odisha Mining Corporation will limit transportation of minerals to maximum 600 trucks per month during day time.
- (ii) The project proponent shall maintain all the mining parameters prescribed by IBM and other regulatory authorities.
- (iii) The recommendations of the State Board of Wildlife i.e. appropriate fencing should be raised on the boundary of the lease by the lessee.
- (iv) The recommendation of the Standing Committee of NBWL are subject to the directions of Hon'ble Supreme Court of India and provisions of Forest Conservation Act, 1980.

The EAC on considering the above decided to **recommend** the proposal with that condition that no mining activity shall be carried out in radius of 1 km from the Hadgarh Wildlife Sanctuary.

(2.67). Captive Limestone Mine (5.0 MTPA) of M/s Chettinad Cement Ltd. located at Village-Peddagarlapadu & Kesanupalli, Mandal-Dachepalli, Distt-Guntur,

Andhra Pradesh (377.68 ha;5.0 MTPA)(Consultant: Pioneer Enviro Laboratories & consultants Pvt. Ltd.)

The Proposal is for opening a New Captive Limestone Mine over an extent of 377.68 ha consisting of 347.983 ha of Patta Land and 29.692 ha of Government Land in Pedagarlapadu & Kesanupalli Villages, Dachepalli Mandal, Guntur District, Andhra Pradesh. The area is falling under Topo-sheet No.56 P/10 & P/14 with Latitudes: N 16°31.22.3" to N 16°33'51.8" and Longitudes: E 79°43'58.2" to E 79°44'52.4". The purpose of proposed Captive Limestone Mine is to meet the Limestone requirement of the Integrated Cement Plant proposed to be established adjacent to this Mine Area.

The Proposal was considered by the Reconstituted Expert Appraisal Committee in its 8th meeting held during 26th to 28th June 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The ToR was issued by MoEF Vide Letter No J-11015/152/2013-IA.II (M) dated 27th August 2013. The Letter of Intent has been issued by the Government of Andhra Pradesh vide Memo No. 19749/M.IV(2) /2013-1 dated 18th January 2014 for an extent of 377.68 ha in Pedagarlapadu & Kesanupalli Villages, Dachepalli Mandal, Guntur District, Andhra Pradesh for the non-forest land consisting of 347.983 ha of Patta Land owned by the company and 29.692 ha of Government Land [Total Extent : 377.68 ha)]. The Mining Plan was approved by Indian Bureau of Mines vide Letter No AP/GNR/MP/LSt-73/Hyd dated 22nd Jul 2014. The proposed mine lease area consists of stony waste lands and small portion of single crop agricultural lands.

The Opencast mining will be done by Mechanized method by using drilling & blasting and deploying HEMM. The deposit is horizontally bedded and covered by the black cotton soil of thickness varying from 0 m to 3 m (1m average thickness) and is devoid of any complex geological structural disturbances. It forms a simple deposit with almost flat topography. The total estimated geological reserves are 442 million tons and the mineable reserves are 306 million tons. The black cotton soil will be scrapped & collected by hydraulic excavators & bulldozer, loaded by loaders and transported by dumpers to the temporary stacking yard for using the same concurrently for afforestation works. The Limestone will be mined by drilling 150mm diameter holes and carrying out blasting using slurry and ANFO explosives. Loading of blasted Limestone will be carried out with the help of hydraulic excavator of 4.5 m³ bucket capacity. The blasted limestone will be transported directly by 35 ton Dumpers, (thus reducing the number of trips and thereby reducing dust & noise generation) to the crusher in Cement Plant, located adjacent to the mine area, through the internal road within mine area. Mining operation will be carried out in two shifts of eight hours each, for 300 days in a year. The proposed maximum depth of the pit is 46m bgl, which will include an average thickness of 1.0 m of black cotton soil. The pit water will be collected in the sump developed below the bottom most bench and pumped out through centrifugal pumps for using the same for various purposes within the premises. No Beneficiation is involved as the entire Limestone produced will go as Plant feed.

The total Mine Lease area is 377.68 ha and the land use at conceptual period will be Mined out pits converted into Rainwater Harvesting Ponds : 280.01 ha, Greenbelt: 67.47 ha,

Road/Infrastructure/Others:30.2 ha. No wastes will be generated and the entire Limestone produced will be used as the Plant feed. As no wastes are generated, there is no Proposal for back-filling of the pit. At conceptual stage, the leftover black cotton soil, if any, will be spread over the topmost Limestone bench for the development of vegetation. The total expected generation of Black Cotton Soil (BCS) is 7.0 million m³.

The water requirement for proposed mining activity will be 120 KLD which includes 100 KLD for dust suppression and greenbelt development, 10 KLD for workshop and 10 KLD for domestic purposes. The application submitted for obtaining clearance for ground water drawl from Central Ground Water Authority is under process. The Hydrological study has been carried out. The water table in the core zone is 10.2 m bgl during pre-monsoon and 4.3 m bgl in post monsoon and pit will reach a maximum depth of 46 m bgl (including average BCS thickness of 1m. The ground water will be intersected at 8m depth.

It was reported by the PP that there is no wildlife Sanctuary, Bird Sanctuary, Tiger Reserves, National Park, Elephant Corridor, within 10 km of the proposed mine boundary. Madinapadu Reserve Forest is at a distance of 7.4 km from the proposed mine boundary. Baseline studies were carried out for one season (post monsoon) during October 2013 to December 2013. All the parameters for water, air and noise were within the limits. The Public Hearing for the proposed Integrated Cement Plant with Captive Power Plant and Captive Limestone Mine was conducted at Mandal Parishad Primary School, Pedagarlapadu near the Project site on 5th March 2014. The PH was presided over by Shri Vivek Yadav, Joint Collector & Additional District Magistrate, Guntur District, Andhra Pradesh. The issues raised by the public include Pollution Control Measures, Impact of pollution, Use of Imported Coal, Utilisation of Fly Ash, Employment, Welfare Measures (Road, School, College, Hospital, Marriage, Hall, Village Office, Check Dam), Compensation for land owners, Land purchase, Adherence to Rules & Regulation, No hindrance due to railway line, Contracts to locals etc., and the response against each issue has been included in the EIA Report. The commitment for CSR for the Integrated Cement Plant with Captive power Plant and Captive Limestone Mine is Rs 2.2 Crores per annum.

The total cost of the proposed mining Project will be Rs. 10 Crores and the recurring expenditure for Environmental Protection measures will be Rs. 41 lakhs per annum. There is no court case and also there is no violation of any statutory rules. The Committee noted that a seasonal nallah is passing through MLA; therefore adequate width of safety zone should be left on both sides of the nallah.

The proposal was considered in the EAC meeting held during 25-26, September, 2014, wherein the Committee sought following information/clarification:-

- (i) The R&R plan for people from whom the land is acquired and the details of local people deriving their livelihood from the bamboo available on the lands inside the lease area.
- (ii) The Ground water table will be intersected by mining operation. The CGWA approval for intersecting the ground water and drawl of 120 kld of water to be used for carrying out mining operations need to be submitted.

- (iii) Details of surrounding villages close to the mining lease and status of essential social infrastructure available like drinking water, sanitation and health.
- (iv) Avenue and Green Belt Plan should be resubmitted with names of plant species suitable for the plantation.
- (v) Occupational health budget of Rs. 60 lakh per year is insufficient, which needs to be increased based on a proper Occupational Health Monitoring and Implementation Plan.
- (vi) Accordingly Questionnaire may be revised and re-submitted.

The PP submitted that the proposed mining lease area of 377.68 ha consists of 347.983 ha of Patta Land and 29.692 ha of Government Land. In the proposed mining lease area, there are no structures and no habitation. Hence Resettlement Plan has not been envisaged. It was informed by the PP that there is no bamboo cultivation existing in the proposed mining lease area. A copy of the letter issued by the Mandal Revenue Officer, Dachepalli Mandal, Guntur District confirming that there is no bamboo cultivation within the proposed mining lease area was submitted. The CGWB, Hyderabad had recommended the proposal to CGWA, Delhi and the clearance is in process. The copy of the CGWA approval would be submitted to the Ministry upon receipt of the same.

On submission of information the proposal was considered in the EAC meeting held during December 10-11, 2014. The Committee desired that the Proponent shall furnish the following information/clarification for further consideration:-

- (i) The detailed R&R plan for people from whom the land is acquired and the details of local people deriving their livelihood from the lease area.
- (ii) The CGWA approval for intersecting the ground water table and drawl of 120 kld of water to be used for carrying out mining operations need to be submitted.
- (iii) Detailed proposal with timeline, budget etc for providing the facilities to villagers like drinking water, sanitation, health etc.
- (iv) Revised Occupational health budget, as 30 lakhs for potable water cannot be considered for occupational health.

The PP submitted that the proposed mining lease area of 377.68 ha consists of 347.983 ha of Patta Land and 29.692 ha of Government Land and the Patta Land constitutes 92 % of the total proposed mining lease area. The total land owners involved are 332. The R & R Plan for the land owners was submitted. The proposed mining area is having lots of outcrop of Limestone which confirms that no activity is being carried out at present by any of the land owners in the proposed mine lease area. It was informed by the PP that application for ground water drawl for the Plant and the Mine has been submitted to Central Ground Water Board (CGWB), Hyderabad on 20th Jan 2104. Queries raised by the CGWB vide letter F.No 1/CGWA/Perm/SR/2013-14/274 dated 14th Feb 2014 and 6th May 2014 have been clarified by the PP. The proposal recommended by the CGWB, Hyderabad to the Central Ground Water Authority,(CGWA), New Delhi is under process. PP informed the facilities proposed to be provided to the nearby villages with timeline and budget covering drinking

water, sanitation measures and health care measures. The revised occupational health budget was also submitted.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for grant of environmental clearance.

(2.68). Project Parsoda Manganese Ore Mine (Mine lease area 53.75 ha) production capacity 0.04 MTPA of MOIL Ltd. at Village parsoda, Taluka – Ramtek, District – Nagpur, Maharashtra.

The proposal is for opening of a new mine for production of 40,000 TPA of Manganese Ore (ROM). The mine lease area of the project is 53.75 Ha. The TOR for this project were prescribed on 30-04-2009. The Public Hearing of the project was held on 06-02-2010. No forest land is involved. No National Park / Wild life Sanctuary / biosphere reserve / corridor of animals etc. reported within core and buffer zone of the mine. The mine working will be opencast by semi mechanized method involving drilling & blasting. It was reported that there is no court case pending against the project. The proposal was considered in its meeting held on 20th-22nd July-2011. Based on the presentation made and discussion held the committee sought clarification vide MoEF reference No. J-11015/42/2009/IA-II(M) dated 26-09-2011. Project proponent submitted point-wise requisite information to MoEF vide reference No. 99/469/EC-Parsoda/2011-12/304 dated 28-12-2011.

Accordingly the project was reconsidered by the EAC in its 4th Meeting held on 19th December 2012 and based on the information furnished, presentation made & discussion held the committee recommended the project for Environmental Clearance.

The matter was examined in the ministry and it was noted that Public Hearing was chaired at the level of SDO, Ramtek. Therefore, the District Magistrate, Nagpur was requested to re-conduct the Public Hearing as per EIA Notification 2006 and presided over by ADM. Accordingly the Public Hearing was re-conducted on 05.03.2015 as per EIA Notification 2006. The Project Proponent submitted the proceedings of Public Hearing Meeting vide reference No. Sr.DGM(M)/39/Ministry-Public Hearing/15-16/25 dated 01-05-2015. Based on the information furnished, the proposal was again re-considered in present meeting. Project proponent made presentation and deliberated on the issues raised during Public Hearing. The Project proponent has made adequate budgetary provision for taking action on the issues of Public Hearing.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for grant of environmental clearance.

(2.69). Expansion of integrated cement plant for production of clinker (1.32 MTPA to 3.06 MTPA), cement (1.52 MTPA to 3.52 MTPA), Limestone (2.00 MTPA to 4.50 MTPA) & installation of 36 MW (2x18 MW) coal based captive power plant at village muktyala, district Krishna, Andhra Pradesh by M/s KCP Limited (Consultant: B S ENVI-TECH PVT LTD)

The proposal is for enhancement of limestone production from 2.0 MTPA to 4.5 MTPA (ROM). The Muktyala Limestone Mine of M/s KCP Ltd. is located at Village Muktyala, District Krishna, Andhra Pradesh. The location is a part of Survey of India Toposheet No. 65 D/1 and the Plant site falls between 16° 50'5.81" – 16°50'23.54" N Latitude and between 80°03'45.00" – 80°04'5.67" E Longitude. The regional topography of this area is plain with gentle undulations. The proposal was considered for TOR by the Expert Appraisal Committee-1 (Industry) in its meeting held during 23-25th September, 2010. The TORs were issued by MoEF vide letter No. J-11011/347/2010-IA-II(I) dated 20-10-2010.

Limestone mining lease extends over an area of 368.35 Ha and is the own land of KCP. The Mining scheme is approved by IBM, Nagpur vide Letter no. AP/KSN/MS/LST-246-82 dated 14/12/2012. Mining is carried out by highly mechanized opencast method, which involves development of benches, drilling, blasting, loading of blasted material into dumpers, transportation of limestone to stock yard and transportation of top soil for afforestation purpose within the plant and mining lease area.

The Solid Waste generated from the Mine is waste rock. For the entire life period of the mine the waste generated is estimated as 8.1 Million Tonnes. Waste will be used for backfilling of part of mined out area. The total water requirement is 180 m³/day and this requirement will be met from supply system of the cement plant initially, and later, from the mine pit proposed to store rain water. No water will be drawn from the ground. Ground water is at a depth of 11 m below ground level and mining depth is 40 m bgl. Mining will intersect ground water table. Hydro geological studies carried out shows dewatering of 200 m³/day from the mine, which will be utilized within the mining lease area and for recharging the ground water.

It is reported that there are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves existing/proposed within 10 km of the mine lease. There are no Schedule-I species reported in the study area. Baseline studies were carried out during Post-Monsoon Season i.e. September 2011, October 2011 and November 2011.

The Public Hearing for the proposal was conducted on 04.07.2012. The issues raised during public hearing were also considered and discussed during the meeting, which inter-alia, included, air pollution control measures to be adopted, raising of plantation, sprinkling of water etc. As per the villager's requirements, it was informed by the PP that they will give preference to the locals for employment; health issues, providing education, and assistance in vocational training etc. These have been incorporated in the Project Plan with budgetary provisions. It was reported by the PP that there is no court case/litigation pending against the project and no violation.

The estimated cost of the project (combined for expansion of cement plant, limestone mine and captive power plant) is 460 corers, with a capital cost of Rs 35 crores and annual recurring cost of 8 crores for implementation of Environmental Management Plan and Rs. 40 lakhs for various socio-economic development measures.

The proposal was placed before the EAC in its meeting held during 22nd - 24th July, 2013 wherein the Committee sought the following information:

- i. Details of land use are not mentioned in the EIA/EMP. There are discrepancies in mine plan and EIA report with regard to land use and co-ordinates
- ii. Compliance of environmental clearance from RO is not available.
- iii. Composite maps of the adjoining area shall be provided indicating all industrial units including the mine lease surrounded in the study area.
- iv. Detailed cumulative impact studies shall be carried out.
- v. A copy of approved mine plan shall be provided.
- vi. Scheduled species are reported in the study area therefore, a species specific conservation plan with budgetary provision needs to be prepared.
- vii. Base line data reported is for only 2 months, baseline studies shall be carried out and data shall be submitted as per IMD seasons.
- viii. Details of measures to be taken to conserve the Krishna River.
- ix. Mine working will intersect ground water a hydrogeological study shall be carried out and report shall be submitted.
- x. Disaster management plan is generalized. Site specific disaster management plan shall be prepared.
- xi. The public hearing documents submitted are in vernacular and it is chairmanship of the public hearing is not clear.

On submission of above mentioned information the Proposal was placed in the present meeting. The proponent along with the consultant presented the case on the above points.

- (i) The discrepancies on land use in different documents were rectified and they have been made uniform in EIA and Mining plan. Similarly the Geographical Coordinates have been similar in Mining Plan, Questionnaire and EIA.
- (ii) Compliance report of Earlier Environmental Clearance signed by RO, Bangalore, was submitted. The Compliance was presented.
- (iii) The proponent displayed in the map all the surrounding mines and industries lying within 10 Km of the mine.
- (iv) Cumulative impact for the Cement plant, Thermal Power plant and Mines was presented and the values are within the NAAQ prescribed limits.
- (v) A copy of the approved Mining Plan was submitted.
- (vi) Two Schedule-I species are reported in the study area. The proponent submitted a conservation plan *with a budget of Rs 11.1 lakhs for the implementation.*
- (vii) The proponent submitted the baseline data for three months of Post Monsoon season 2013.
- (viii) The proponent gave a five year plan to reduce the water consumption from Krishna river both on Industrial and domestic sides. It was explained that the water conservation through rain water harvesting and also by going for Air cooling condensation in the power plant.

- (ix) Since the mine working is intersecting the ground water, a detailed Hydrogeological study was prepared and submitted. It was reported that the ground water is at 11m below ground level and the mining depth will be 40 m. Seepage water is pumped in the Pond at cement plant, so that the same gets percolated into the ground. The proponent has been advised to obtain the CGWA Permission for Intersecting with the ground water.
- (x) It was reported by the proponent that to avoid, disaster of inundation of mines with the Flooding of Krishna river, a 5m height wall is constructed towards river side. Photographs of the same were also shown.
- (xi) The proponent also submitted the English version of the grievance letters submitted during Public Hearing
- (xii) The eligibility of the Additional Joint Collector conducting the public hearing was raised. The proponent replied that the APPCB looks into this matter, District Collector at Krishna District, AP, nominated him to conduct the Public Hearing. The Proponent should submit letter from District Collector's Office to the effect that the Additional district Collectors meets the eligibility criteria to conduct the Public Hearing as EIA notification.

The proposal was considered in the EAC meeting held during March 20-21, 2014. The Committee decided the proposal to be brought back to the Committee after the following information is submitted:

- (i) Copy of Permission from CGWA as mine working would be intersecting the ground water table;
- (ii) Details of commitment by PP during the public hearing held for prior EC granted in 2005 and its compliance;
- (iii) Details of land acquisition and compensation paid; one of the stake holders has threatened stating that he would commit suicide, during the Public Hearing;
- (iv) water balance of the proposed project by taking into account existing water demand and subsequent mine pit water use with year wise details;
- (v) letter from SPCB regarding the rank of Officer who chaired the Public Hearing.

The point wise explanation of the queries is given by the Project Proponent as below:

- (i) PP clarified that Application for obtaining permission from CGWA for mining operations below the ground water table along with detailed Hydro Geology Report was submitted to CGWA, Hyderabad on 12-06-2014. Acknowledgement of CGWA confirming the receipt of application was obtained on 13-06-2014. PP informed that CGWA sought certain technical clarifications and they were replied to CGWA's satisfaction. However, the WALTA (Water, Land and Trees Act) Rules are existing in Andhra Pradesh and Telangana State, CGWA is uncertain about its role for issuing the permission and kept all such proposals from these two states under abeyance. The appeal by the proponent, in the Grievances Committee of CGWA through the

- Cement Manufacturers Association also did not give the result. The PP also informed that the issue is now settled and CGWA now agreed and will issue the permission.
- (ii) PP submitted the status of commitment for the public hearing held for prior EC granted in 2005 and its compliance.
 - (iii) PP submitted a notary written statement of the stake holders that he is withdrawing his statement and has no objection for any expansion activity of KCP.
 - (iv) PP submitted the details of water balance considering the existing and proposed expansion.
 - (v) PP Submitted a letter from APPCB that the rank of the Public hearing chaired person is Additional District Magistrate.

The Project Proponent has informed that this is an integrated project and was considered by EAC (Industry) in its meeting held during 4-5th April, 2013 and 28-30th April, 2014 wherein the proposal for Industry sector was recommended for environmental clearance and EC was already issued.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Increase of Limestone Production from 2.00 to 4.50 MTPA in an area of 368.35 Ha subject to the submission of permission from CGWA for intersecting with ground water table.

(2.70). Kalvapalli Quartz Mine of M/s UBR Minerals, Village Kalavapalli, Racherla Mandal, District Prakasam, Andhra Pradesh. (Consultant: BHAGAVATHI ANA LABS PVT LTD)

The proposal is for mining of 2.0 Lakh Tonnes/Annum of Quartz production from 181.607 ha Mine lease area is located at Kalavapalli Village, Racherla Mandal, Prakasam District, Andhra Pradesh. The Latitude and longitude of the site are: Latitude: 15° 26' 14.20" N; Longitude: 78° 59' 04.50" E and Latitude 15° 26' 03.40" N, Longitude 78° 58' 31.40" E.

The TOR was issued vide MoEF letter No J-11015/254/2010-IA.II(M) dated 25th October, 2010. It was noted that the TOR expired on 24.10.2012, the PP sought extension for validity of TOR for further one year. The extension of validity of TOR for additional one year i.e. from 25.10.2012 to 24.10.2013 was granted vide letter no. J-11015/254/2010-IA.II(M) dated 17.02.2014. The mine lease area is 181.607 ha which is Government waste land. There is no forest land in the lease area. The mining plan for the project is approved by IBM Vide letter no 9934/DMP/ONG/09 dated 12.05.2010.

It is reported by the Project Proponent (PP) that mine is proposed for a maximum annual production of 2.00 LTPA. It is proposed to work this deposit by opencast mechanized mining method using 115 mm dia DTH drilling and blasting. The blasted material would be loaded into the tippers and sent to the stack. Life of the mine is 23 years. The water requirement is estimated as 22.5 KLD, which will be sourced from Ground water. It is

reported by the PP that Total Geological Reserves are 4.4025 Million Tonnes and Mineable Reserves: 4.275 Million Tonnes. Conceptual mine development will be carried out in 5.49 Ha area, area for Green Belt will be 51.72 ha, roads will occupy 0.63 ha, area for statutory buildings will be 0.1 ha, area for dumps will occupy 4.24 ha, village habitation, reservoir and canal will be over 56.73 ha. Total of 4.44 million tonnes of waste will be handled during life of mine.

The mining activities will not intersect ground water table. It was reported by the PP that there is no wildlife sanctuary/tiger reserve/national park, etc within the 10 km radius area around the mine lease. However, it was reported that Reserve forests viz Somidevipalli Reserve Forest (3.2 Km), Ambavaram Reserve Forest (1.65 Km), Eastern Nallamalas Reserve Forest (6.0 Km) are present in the study area. Gundlakamma River is at a distance of 8.7 km from the ML boundary. It was reported by PP that schedule-I species Tiger and Peafowl are present in the study area. A species specific conservation plan for both the species was submitted by PP.

Baseline studies were carried out during summer season 2011. All the parameters for water and air quality were reported to be within permissible limits. The Public Hearing for the proposed Kalavapalli Quartz Mine was conducted on 24.08.2012 at near Tahsildar Office, Racherla village & mandal, Prakasam District, Andhra Pradesh. The PH was chaired by Shri. J. Radha Krishna Murthy, District Revenue Officer and Addl. District Magistrate, Prakasam District. The issues raised during public hearing were also considered and discussed during the meeting, which inter-alia, included that there should not be any discharge of effluent from the mine lease area, air pollution control measures to be adopted, raising of plantation, sprinkling of water etc. Grazing land to be provided. As per the villager's requirements, it was informed by the PP that they would give preference to locals for employment; health issues, providing education, and assistance in vocational training etc. These have been incorporated in the Project Plan with budgetary provisions. The estimated cost of the project is Rs 4.20 Crores. It was reported by the PP that there is no court case/litigation pending against the project.

The proposal was considered by the EAC in its meeting held during March 20-21, 2014 wherein the Committee sought following information:

- i. Plan for alternate road and access route plan for villagers and cattle, as road is passing through the mine lease area;
- ii. Plan for management of first order streams passing through the mine lease area;
- iii. Details of alternate sites in lieu for the grazing lands used for mining.

The PP submitted that there is a kuttchha road passing through the north eastern side of the lease area which connects Gannampalli village with Vaddulavagupalli village. The mining is proposed in this area during the first block of five years hence this road will be diverted along the lease boundary so that there is no major change in the route. Moreover this road is not used regularly by the villagers or cattle's. Occasionally, this is used by villagers by two wheelers only. The management intends to return the original route to villagers once the

mining and backfilling of this area is completed. Initially, an amount of Rs: 3.00 Lakhs has been earmarked for maintaining this road. This amount will be revised as per the need.

The PP informed that there are no first order streams passing through the mine lease. There are three seasonal nallahs flowing arising from the ML area which are active during rains. The drainage pattern of the area is sub-dendritic in nature. During active monsoon the rainwater is drained through these the rain cut channels through valleys on the North-eastern slope. The mining excavations and surface dumps will be surrounded by garland drains. The surface run-off from mine lease area and the surface dumps will be collected into the settling ponds /mine pits through a network of garland drains. All the water will be stored at the settling ponds/pit bottom for use in mines. The mine pits and settling ponds will serve as a rainwater harvesting structure and this will also help in ground water recharge.

It was informed to by the PP that there is no grazing land within the Mine Lease area. The adangal records of proposed ML area with Survey no 1035/1(P) shows that the area is Government Rocky waste land. However, as a part of social responsibility M/s UBR Minerals have identified 3 villages within 3.0 km radius from the mine lease boundary viz., Racherla, Gangampalle and Kalavapalli. There is a total of 627.71 ha Cultivable waste land available in these villages. Phase wise plantation will be encouraged in this cultivable waste land by the farmers of local villages.

The Committee, after detailed deliberations, **recommended** the Proposal for grant of environmental clearance.

(2.71). Thagadur Chromite Mines of M/s. Mysore Minerals Limited, located at Post Thagadur, Taluka Channarayapatana, District Hassan, State Karnataka (ML area 614.99ha; expansion from 0.26 LTA to 1.062 LTA)(Consultant: Metamorphosis Project Consultant Pvt. Ltd.).

The proposal is of M/s Mysore Minerals Limited (MML) a Government of Karnataka Undertaking having the lease for mining of Chromite Mine over an area of 614.99 Ha (ML No. 2477) located at Thagadur Village, Channarayapatna Taluk of Hassan District. Mining lease was granted for 20 years with effect from 25th January 2005 which is valid up to 24th January 2025.

The PP has applied for obtaining Environmental Clearance for the expansion of capacity from 0.26 TPA to 1.062 TPA. The proposal was considered in EAC meeting held during 16 - 17th November, 2009 and the MOEFCC granted Terms of Reference (TOR) on 17th December 2009 vide letter no. J-11015/212/2009-IA-II(M). EIA Report was prepared incorporating proceedings of public hearing by EIA Consultant M/s. Netel India Limited, Thane. Further, technical presentation was made before Expert Appraisal Committee meeting held during 21-23 February, 2012. The EAC observed various discrepancies in preparation of report and therefore instructed the project proponent to redo EIA study by collecting data afresh redo the Public hearing and submit the Final EIA through QCIINABET approved EIA consultant.

The M/s Mysore Minerals Limited engaged M/s METAMORPHOSIS Project Consultants Private Limited, Bengaluru QCIINABET approved EIA Consultant for conducting EIA report.

Accordingly, fresh baseline data was collected for the season of winter 2013-14 and public hearing was conducted afresh on 30.09.2014.

The proposed project situated at Thagadur Village, Channarayapatna Taluk, Hassan District, Karnataka. The Latitude N: 13°01'5" - N: 13°04'30" and Longitude E: 76°26'40" - E: 76°27'30". Thagadur Chromite Mines is situated 25 km North-west of Channarayapatna town in Channarayapatna Taluk of Hassan District in Karnataka State.

The proposal is to increase its production from 0.26 Lakh tonnes per annum to 1.062 Lakh tones Anuum (0.478 LTA of Chromite, Titaniferrous Magnesite of 0.52 LTA, Quartz of 0.022 LTA & Dunite/Serpentite of 0.042 LTA) located at Thagadur Village, Channarayapatana Taluk, Hassan District, Karnataka. No forest land is involved in the mine lease area.

The mining lease area is an undulating terrain having gentle slope both Easterly and Westerly. The general counter of lease hold area ranges from 911 to 973 mtrs Above MSL. Few seasonal Nallahs are observed in the area towards North West, North East and Central part of the area and flow only during monsoon and remains dry during other seasons. The surrounding area of the Mining lease block is using for cultivation of Coconut, Sugar cane and seasonal crops such as Ragi and Maize.

The mine lease has been granted vide letter no. DMG/MLS-365/95/2003-04/845 dt. 23.04.2004. The Mine scheme along with closure plan has been approved by IBM, Bangalore vide letter no. 279/263/91/BNG/589 dated 02.04.2014. The opencast Mining will be done by mechanized method. The opencast method with a bench height of 6 mts and with of 8 mts with a bench slope of 60° to the horizontal. The ore mined and overburden removed will be transported by using trippers to the respective yards. Drilling and Blasting shall be done. Accessibility and transportation of heavy equipment to site by road or rail is easy. No problem is envisaged in accessibility and transportation of heavy equipment to site by road or rail as nearest road is Channarayapatna - Nuggehalli road passes within 2-3 kms from lease boundary on southern side. The Railway line Bengaluru - Mangalore passes through Arasikere which about 75 km from the lease. Total Water requirement for the Project is about 124 KLD. The anticipated life of mine is 11 years.

Baseline Ambient air quality data was carried out at 7 locations for month of December 2013 to January - February 2014 and results are well within the CPCB standards. The public hearing was held on 30.09.2014, the hearing was presided over by Additional Deputy Commissioner. The major issues raised during the Public hearing were depletion of ground water, damage to agriculture, employment etc. The PP submitted an action plan along with the budgetary provisions on the issues raised during Public Hearing.

The estimated project cost is about Rs. 200 Lakhs (Initial cost towards EMP is Rs. 65 Lakhs, whereas recurring cost is estimated to be about Rs. 106 Lakhs). It was reported by the PP that no court case is pending against the project.

Based on discussion held and presentation made the EAC decided to **deferred** the proposal and sought the following information/clarifications for further decision on the matter:-

- (i) A clarification shall be submitted that whether this is a violation case or not.
- (ii) The duly filled in questionnaire with all the points shall be submitted.
- (iii) A certificate from State Government that no PA falls within 10 km radius of the mine lease area.

(2.72). Boria Tibbu Iron Ore mine of M/s Godawari Power and Ispat Ltd. at Village Boria tibbu, tehsil: Mohala, District Rajnandgaon, Chhattisgarh (7.05 lakhs TPA; 110ha)- Amendment in Environmental Clearance.

The proposal no. IA/CG/MIN/26356/1900 is for Boria Tibbu Iron Ore mine of M/s Godawari Power and Ispat Ltd. at Village Boria tibbu, tehsil: Mohala, District Rajnandgaon, Chhattisgarh for addition of Iron Ore Crusher of 7.05 TPA capacity. The Latitude and Longitude of the mine site 110 ha area is 20° 26' 10" to 20° 26' 40" N and 80° 55' 20" to 80° 56' 8" E, Toposheet No. 64D/15.

The environmental clearance was issued to the project vide letter no. J-11015/208/2006-IA.II(M) dated 31st January, 2007 for 7.05 lakh MTPA. The PP vide proposal no. IA/CG/MIN/26356/1900 dated 06.01.2015 and letter No. GPIL/Env/14-15/01 dated 03.03.2015 requested for following amendments:

Amendment in EC is proposed to install iron ore crusher of 2 no. x 150 TPH capacity in an area of 6400 sq. meter with screening facilities.

The proposal was considered in the EAC meeting and committee was of the view that the proposal shall be **brought back** to the Committee on submission of following details by the PP:

- i. The revised form-I shall be submitted.
- ii. A report on environmental implications of installation of the crushing and screening unit.
- iii. A certification from the IBM that iron ore crusher of 2 no. x 150 TPH capacities in an area of 6400 sq. meter with screening facilities was part of the mine plan earlier approved by IBM.
- iv. A certified compliance report of the EC no. J-11015/208/2006-IA.II(M) dated 31st January, 2007 from the Regional Office, Nagpur.

Additional agenda item:

(2.73) Nuagaon Iron Ore Mines, M/s KJS Ahluwalia, located at village(s) Nuagaon, Guali, Topadihi, Barpada and Katasahi, Tehsil Barbil, Keonjhar District, Odisha over an area of 767.284 Ha- EC Amendment.

The Nuagaon Iron Mine of M/s KJS Ahluwalia (767.284 Ha) is located in village(s) Nuagaon, Guali, Topadihi, Barpada and Katasahi, tehsil Barbil, Keonjhar District, Odisha. The mine is being worked for a rated capacity of 5.62 Million Tonnes Per annum (MTPA). Out of the total area of 767.284 ha, 525.762 ha is forest area and the remaining 241.522 ha is non-forest area. Forest clearance was obtained under FC Act 1980 for 371.192 ha vide letter no: 8-17/2001-FC, dated 22.04.2004. Forest clearance for the entire forest area including the safety zone has already been applied for. Present Lease period is valid till 03.12.2019.

Environment clearance for 5.62 MTPA iron ore production was issued by MOEF vide letter no. J-11015/1156/2007-IA.II (M) dated 2.2.2010. The Environmental clearance stipulates a specific condition (item V) "*Alternative transport system such as dedicated Railway siding for transportation of mineral from their mine shall be studied and put in place at the earliest but not later than five years. No mineral transportation by road shall be permitted beyond 5 years*".

Thus the proposal is for amendment of EC condition item V. The proposal was considered in the EAC meeting held during December 2013 and the Committee noted that the PP had not taken any compliance action on this EC stipulation during the last three years, nor had they informed the Ministry about their intent not to fulfil the same. The present appraisal is therefore without any prejudice to the binding nature of the item V.

The Agenda item before the Committee relates to withdrawal of the aforesaid special condition V in the EC. It was requested by the PP that in view of widening and expanding of the NH-215 in the vicinity, as also development Works of the Railways to augment the evacuation capacities from the existing Sidings onwards to bulk unloading destinations like the Paradeep Port, now there is no specific requirement of an additional Railway Siding within their lease hold area. They claim that Road transportation up to the existing Railway Sidings within the 20 Km vicinity and Rail transportation thereafter, appear to be a better alternative to the aforesaid special EC condition. The basic purport of their contention appeared to be that there has been a substantial expansion of road/rail transport capacities since pre-EC stage of the Project (i.e. in the year 2008-09), hence there is no more any need for the stipulated additional dedicated Railway Siding.

In support of their above request for continuation of 'status quo', the PP has brought out a field study on existing road and rail network, present mode of transport of mineral, various capacity building works on both the modes of mineral movement from the Mines towards their destinations and possibility and viability of alternate modes of transport. Authorship of the 'study' was attributed to 'Creative Engineers & Consultants, Chennai and a'XYKno Infrastructure Pvt. Ltd, Nagpur.

The Committee Members who had perused the 'Study Report', observed that the Report lacks authenticity, as the credentials of the Consultancy Firms, their "Accreditation statuses", the experience and expertise profiles of the Study Team Members are not at all clear. The study period, details of public source documents relied upon, certification/

endorsements of the Agencies involved like NHAI, Indian Railways, CPWD/ PWD were also not provided. As multiple Users are involved, the present traffic densities quoted and Projections made also need to be verified/ authenticated by the concerned Agencies. The comparative studies of Rail /Road /Belt Conveyor alternatives lack details and are far from convincing. There is no evidence of any consultation /discussion with the concerned Authorities of the State Govt./ Railways in regard to various claims made/conclusions drawn.

The Committee was of the view that the PP should resubmit a thoroughly Refurbished Report after rectifying all the aforesaid deficiencies and necessary consultations with the State Government and other concerned Authorities like the Railways, NHAI, CPWD/PWD are held and their views on the subject matter ascertained and reported.

On submission of information the proposal was considered in the EAC meeting held during March 16-18, 2015. The PP submitted that the mine is not operating as the mine lease was under second and subsequent renewal therefore the mine is closed post Hon'ble Supreme Court order dated 16.05.2014. The PP submitted the traffic study for Feasibility of Mineral Transportation in Joda-Barbil, Odisha was carried out by Central Road Research Institute (CRRI), New Delhi during 2013-14 and the report was given in Aug - 2014. However, the report does not have any authentication from CRRI. The Pre-feasibility of Alternative transport system such as dedicated Railway Siding /Conveyor Belt System/Road Transport for transportation of mineral from their mine to nearby existing railway siding was also carried out by "M/s a'XYKno Infrastructure Pvt. Ltd" during the year 2012. After the detailed deliberations, the Committee was of the view that reports submitted by the PP were still vague and not specific to the mine lease and were not authenticated by the Organization claimed by the PP. The State Government was also not consulted while preparing the Report.

The Committee was of the view that the PP should resubmit the Report with authentic information in consultation with the State Government. In addition, it may also be ascertained from the State Government whether any order for determination of Mining Lease/rejection of Mining Lease, if any, has been passed by the State Govt. in respect of this mine, post Supreme Court order dated 16.05.2014. The proposal may be brought back on submission of the above information.

The PP vide letter dated 20.04.2015 submitted the following:

- i. Extract of the CRRI report & Letter from CRRI which is self-explanatory. This report is prepared by CRRI in consultation with state Govt., Odisha & NHAI.
- ii. Letter from NHAI expressing their views on Nuagaon traffic study report conducted by CRRI vide letter No. NHAI/11012/7/RO (CRRI/2012/TIU/KJR/7092 dated 13.3.2015).
- iii. Authenticated report by a'XYKno Infrastructure Pvt. Ltd along with accreditation letter by the South East Central Railway vide letter No. Engg/G-2/Apvd.Cons/AXYKNO/04 dated 13.08.2013 and West Central Railway vide its letter no. W-HQ/WG/Apvd-List/Consultant/a'XYKno infrastructure dated 25.09.2013.

- iv. Letter from South Eastern Railway (SER) expressing their inability to provide any new sidings taking off from Jaroli or between Barbil and Bolanikhadan vide Itr no AS/60/34Pt-XI dtd 25.02.2014. They have also conveyed that stacking / storing of mineral in the jaroli railway sidings is not allowed vide their letter dated 2nd April 2014.
- v. The validity of the mining lease of Nuagaon Iron Ore Mines of M/s KJS Ahluwalia has been extended up to 31.03.2020 vide letter No. 3245/S&M, Bhubaneswar dated 18th April 2015 received from Department of Steel and Mines, Govt. of Odisha. The letter quotes that *"The Government have been pleased to decide to extend the validity period of mining lease u/s 8A (6) of the M&M (D&R) Act, 1957, as amended by the MMDR Amendment Act, 2015 from 04.03.1999 to 31.03.2020"*.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **recommended** the proposal for amendment of Environmental Clearance condition item V.

Agenda item no. 3 with the permission of the Chair

(3.1).River Bed Mining Project from River Banas with Production Capacity of 7.2 million TPA (ROM) of Bajri by M/s. S.R. Associates, located at near Villages: Amlı, Banthali, Jalseena, Jalerı, Jagatya, Nandpura, Rajmahal, Satwara, Santhali; Tehsil- Deoli; District: Tonk (Rajasthan) (1667.78ha) (Consultant: JM EnviroNet Pvt. Ltd., Haryana)-Reconsideration of EC

The proposal of M/s. S.R. Associates is for River Bed Mining Project from River Banas with Production Capacity of 7.2 million TPA (ROM) of Bajri. The mining lease area is located at Village(s) Amlı, Banthali, Jalseena, Jalerı, Jagatya, Nandpura, Rajmahal, Satwara, Santhali, Tehsil: Deoli, District: Tonk (Rajasthan).

The Proposal was earlier considered in the EAC meeting held during December 10-11, 2014 wherein the Committee decided that the Proposal be deferred and that the same be re-considered without calling the PP after receipt of the following information/clarifications:-

- (i) The Committee has observed that Public made representation with regard to Water management, Socio- economic development, Employment, Transportation, pollution, damage of fertile land, water level degradation, fluoride concentration in water; and Time- bound Action Plan along with the budgetary allocation on the issues raised during the Public Hearing. In view of the above, the Committee was of the view that the PP has to make a proper Action Plan on the issues raised during the PH along with budgetary provisions and SPCB may be requested to submit all hard copies of the Representations received regarding the Project;

- (ii) Committee noted that PP has not submitted the details w.r.t. disaster management plan and flood control mitigation measures. This may be done;
- (iii) There is one Schedule-I species found in the study area. PP is to submit the approved Conservation Plan for Schedule-I species, duly approved by the Chief Wildlife Warden; and
- (iv) Action Plan for ensuring good occupational environment for mine workers may be submitted based on Recommendations of any Nationally reputed Institute; Both specific and Generic preventive measures may be elaborated in the Action Plan.

Based on the information submitted by the PP vide letter dated 12.01.2015, the Proposal is considered in this present meeting. The PP has submitted the following information/clarifications:-

- (i) With regard to proper Action Plan on the issues raised during the PH along with budgetary provisions, the PP has submitted the revised the Action Plan on the issues raised during PH and allocated Rs. 60 Lakhs for socio-economic development; Rs. 15 Lakhs has been earmarked towards Environment Protection Measures and Rs 6 Lakhs per annum towards recurring expenses. PP has also submitted that as per Rajasthan State Pollution Control Board, vide letter dated 31.07.2014, there are two representations were received. The Committee deliberated and is of the view that the revised Action Plan on the issue raised during PH is adequate.
- (ii) PP has submitted the disaster management plan and flood control mitigation measures. The Committee deliberated and is of the view that the Plan is adequate.
- (iii) There is one Schedule-I species found in the study area. PP has prepared the Conservation Plan along with budgetary provisions and submitted the Conservation Plan to the Chief Wildlife Warden which is under approval.
- (iv) PP has submitted the Action Plan for ensuring good occupational environment for mine workers. The Committee deliberated and is of the view that the Plan is adequate.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of **7.2 million TPA (ROM) of Bajri.**

The Committee 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) 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) Transport of mineral will not be done through any of the villages; (iv) 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; (v) 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; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (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; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(3.2): Enhancement in production of Dillai Parbat Limestone Mine from 0.28 million TPA (ROM) to 0.60 million TPA (ROM) of Limestone by M/s Cement Corporation of India Ltd., located at Village Koilajan, District Karbi Anglong, Assam (171ha)-[Consultant-Ramky Enviro Engineers Limited]-Reconsideration of EC.

The proposal of M/s Cement Corporation of India Ltd. is for enhancement of production of limestone from 0.28 million TPA to 0.60 million TPA (ROM) for their Cement Plant at a distance of 18 km. The crushing plant will also be enhanced from 200 TPH to 400 TPH. The mine is located at Village-Koilajan, District-Karbi Anglong, Assam. The geographical coordinate of the proposed project site are Latitudes 25° 49' 45" to 26° 1' 0" N and Longitudes: 93° 34' 40" to 93° 35' 50" E on the Survey of India toposheet no. 83F/12, 83G/9.

The Proposal was earlier placed in the EAC meeting held during September 25-26, 2014 wherein the Committee observed the deficiencies and accordingly the Proposal has not been appraised. The Committee advised the Project Proponent to revise and resubmit the EIA/EMP report and also rectify the deficiencies. The

Committee will reconsider the Proposal after the revised EIA/EMP report with all the details as above are received (in due compliance of Manuals, Standards, Office Memoranda and Guidelines issued by the Ministry from time to time) and also subject to completion of violation proceedings by the Ministry.

The Committee also noted that it is a **violation case** as the mine was operated up to 2013-2014 without prior Environmental Clearance. MoEF&CC may take actions on violations as per OM dated 12.12.2012 and 27.06.2013. In this context, Ministry has issued show cause Notice on 02.12.2014. Further, based on the request of PP, a meeting was held on 02.02.2015 under the Chairmanship of the Joint Secretary, MoEF&CC and the Ministry has initiated actions on violations vide letter dated 05.05.2015. In this Context, the Assam Pollution Control Board has mentioned that mining activities has been suspended from 19.05.2015 and Board has initiated credible actions against the PP.

PP vide letter dated 30.03.2015 has submitted the revised EIA/EMP Report. PP has recollected the Base line data during December 2014–January 2015. The Committee deliberated the baseline data and noted that all the parameters are well within the prescribed limits.

The mine lease area is 171 ha which is non forest land. PP reported that 6.04ha is Agricultural land, 66.76ha is waste land and 98.20ha is unirrigated land. Mine working will be opencast mechanized using blasting. State Govt., vide letter dated 12.1.22006 has granted mining lease. The Mining Scheme was approved by the IBM, vide letter dated 03.05.2005. The life of mine is 30 years. The total water due to proposed expansion is 600 KLD per day, which will be met through spring, located in the lease and nearby okahai nallah.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). However, one Reserved Forest is located 5 km NW. PP reported that there are Schedule I species. The Committee deliberated the issues and is of the opinion that PP needs to prepare Species Specific conservation plan for Schedule I species along with budgetary allocation.

Public Hearing was held on 25.05.2012 and presided over by Md. Hassan Ali, Additional Deputy Commissioner, Karbi Anglong. The representatives of State Pollution Control Board, Assam were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting.

The capital cost of project is Rs. 15 Crores. The overall cost of environment management plan shall be Rs. 130 Lakhs (capital cost) and Rs. 4.5 Lakhs (annual recurring cost). Proponent informed that Rs. 75.0 Lakhs have been earmarked towards CSR activities.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Enhancement in production of Dillai Parbat Limestone Mine

from 0.28 million TPA (ROM) to 0.60 million TPA (ROM) of Limestone **subject to actions on violations.**

The Committee **recommended additional specific conditions** viz. (i) Implementation of species specific conservation plan for Schedule I species; (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (v) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC 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 centres;(vi)There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(viii) Washing of all transport vehicle should be done inside the mining lease.

List of Participants

1. Dr. S. Subramaniyan In-charge Chairman
2. Prof. L. Ajay Kumar Member
3. Shri P.K. Verdia Member
4. Prof. G.S. Roonwall Member
5. Prof. A.K. Bhatnagar Member
6. Prof. Asha Rajbanshi
7. Dr. U. Sridharan, Director (Scientific), MoEFCC Member Secretary
8. Representatives of M/s Indrajeet Singh Jhala
9. Representatives of Shri Habibur Rehman
10. Representatives of M/s Pankaj Singh Jadaun
11. Representatives of M/s Rahul Panwar
12. Representatives of M/s Rajasthan Fort & Palace Pvt. Ltd
13. Representatives of M/s Shekhawat Associates
14. Representatives of M/s Chandak Associates
15. Representatives of M/s Surya Associates
16. Representatives of M/s Ranveer Singh Rathore
17. Representatives of M/s Shekhawat Associates
18. Representatives of M/s Kuber Associates
19. Representatives of M/s Associated Soapstone Distributing Co. Pvt. Ltd
20. Representatives of M/s Satya Swaroop Singh Jadon
21. Representatives of M/s Rio Tinto Exploration India Pvt. Ltd.
22. Representatives of M/s. Om Minerals
23. Representatives of M/s J.K. White Cements Works
24. Representatives of M/s Cement Manufacturing Co. Ltd
25. Representatives of M/s Arjun Singh
26. Representatives of M/s Spectrum Meghalaya Cement Co. Pvt. Ltd
27. Representatives of M/s Bharat Singh Shekhawat
28. Representatives of M/s Mangal Singh Solanki
29. Representatives of M/s Sher Singh Solanki
30. Representatives of M/s Narrotham Singh Jadaun
31. Representatives of M/s Satya Swaroop Singh Jadoun
32. Representatives of M/s Shree Mateshwari Minerals
33. Representatives of M/s Anil Joshi
34. Representatives of M/s Smt. Nirmala Devi Khemka
35. Representatives of M/s Garhwal Mandal Vikas Nigam Ltd.
36. Representatives of M/s Jaswant Singh
37. Representatives of M/s NCR Real Tech Pvt. Ltd.
38. Representatives of M/s Dkrrish Builders Pvt. Ltd.
39. Representatives of M/s Hindalco Industries Ltd.
40. Representatives of Shri Abhishek Choudhary
41. Representatives of M/s Shekhawat Associates

42. Representatives of M/s Astin Excavation & Mining Pvt. Ltd.,
43. Representatives of M/s Gandharva Oraon
44. Representatives of M/s Tata Chemicals Ltd
45. Representatives of M/s UltraTech Cement Ltd.
46. Representatives of M/s Saigaon Bauzite mine
47. Representatives of M/s J.K & K.P. Jhunjhunwala
48. Representatives of M/s Rai Bharat Das and Brothers
49. Representatives of M/s My Home Industries Ltd.
50. Representatives of M/s Gajender Pal Singh
51. Representatives of M/s Himachal Chemcals & Silicate Works
52. Representatives of M/s Sanjay Kumar Bhutail
53. Representatives of M/s Kalyanpur Cements Ltd.
54. Representatives of M/s Paonarkhari Minerals and Chemicals (PMC)
55. Representatives of M/s Shri Ram Kumar,
56. Representatives of M/s D. R. Stone Crusher
57. Representatives of M/s The India Cements Ltd
58. Representatives of M/s the Orissa mining Corporation Limited
59. Representatives of M/s Chettinad Cement Ltd.
60. Representatives of M/s MOIL Ltd.
61. Representatives of M/s KCP Limited
62. Representatives of M/s UBR Minerals,
63. Representatives of M/s. Mysore Minerals Limited,