

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

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**SUMMARY RECORD OF 2<sup>nd</sup> MEETING OF THE RECONSTITUTED COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS CONSTITUTED UNDER EIA NOTIFICATION, 2006.**

The Second 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 **January 20-22, 2016**. 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:**

**(1.1). Circulation of the Minutes of the 1<sup>st</sup> EAC Meeting**

The Minutes of the 1<sup>st</sup> Meeting of EAC held during December 21-22, 2015 were circulated.

The member Secretary informed the committee that henceforth Ministry has decided to rate the quality of EIA & EMP report to the scale of 1 to 10. Therefore, the Committee is requested to grade the EIA and EMP report(s). In the meantime, the EIA and EMP report has to be rated based on the content, quality and originality of EIA report. The generic structure of environmental impact assessment document is provided in the Appendix of the EIA Notification, 2006. Parameters for assessing the quality of EIA and EMP report would be provided by the Ministry in due course.

**Day 1: 20<sup>th</sup> JANUARY, 2016 (WEDNESDAY)**

**CONSIDERATION OF ENVIRONMENT CLEARANCE: 10.15 AM onwards**

**(2.1): J-11015/453/2012.IA.II(M) Mining of Mauza Manpur Dewra Sand Stone & Bajari with production capacity of 42,000 tones/annum of M/s Chandel Associates, located at Khasra No. 1248/1026/912/2&911/679/3 Village & P.O. Manpur Dewra, District- Sirmour, Himachal Pradesh (9.6768 ha). (Consultant: Shivalik Solid Waste Management Ltd.)**

The proposal is for river bed sand, stone and bajri mining with production of 42,000 metric TPA by M/s Chandel Associates. The mine is located at Khasra Number 1248/1026/912/2 and 911/679/3, at Mauza Manpur Dewra, Tehsil Poanta Sahib, District Sirmour, Himachal Pradesh. The Latitude and Longitude of the proposed site is 30°4'30" N - 31°15'60" N and 77°0'0"E - 77°43'45"E. The TOR for EIA study for the proposed project vide letter no. No. J-11015/453/2012-IA.II (M) dated 13<sup>th</sup> May 2013. Project proponent is applied for the amendment in TOR regarding change in production capacity i.e. from 51,000 to 42,000 TPA as per approved mine plan vide letter no. J-11015/453/2012-IA.II (M) dated 6<sup>th</sup> August 2015. It was informed that project was considered as category 'A' project as the mine site is located at 1.51 km from the interstate boundary. However, as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016 the project is categorized as category B project as general condition of interstate boundary is not applicable for sand mining projects. The proposal was considered in the Ministry as it was listed in agenda before the notification was published.

The project proponent made a presentation with regard to compliance of TOR for mining of sand, stone and Bajri with capacity of 42,000 MT/Year. The mine lease area is 9.6768 ha, which is a riverbed. The LOI has been granted by Director of Industries, Himachal Pradesh vide dated 31.10.2008. The mining plan is approved by State Geologist vide letter No Udyog-Bhu (Khani-4) Laghu-973/2006-8786 dated 11.02.2011. The mining method shall be manual using hand tools for collection of sand stone and bajri from the river bed. It was reported by the project proponent, that maximum solid waste generation will be 5,000 TPA silt and 3100 TPA clay which would be left in the pits as back fill. The water is only required for drinking purposes and sprinkling of water for dust suppression. There is no ground water intersection as the depth of mining would be one meter only.

It was reported by the PP that No national park, wildlife sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). The Aasan dam is located at about 3.18 km from the mining lease towards South, for which NBWL clearance is not required. The baseline studies were carried out during pre - monsoon season in 2013 (March 2013 – May 2013). All the parameters of water and air quality were reported to be within permissible limits. The public hearing for the project was conducted at village Manpur Dewra, Tehsil Poanta Sahib, District Sirmour, Himachal Pradesh on 08.09.2014. The Public Hearing was presided over by ADC (District Sirmour). The issues during the public hearing were also considered and discussed during the meeting, which inter-alia, included that mining activities are carried out as per stipulated guidelines, sprinkling of water etc. as per villagers' 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 action plan and budgetary provisions. The capital cost of the project is 75 Lakhs; the capital cost of EMP is Rs 15 lakhs and amount earmarked for CSR fund 2, 76,000. Proposed area for plantation is 6000 Sq meters planting of fast growing species such as *Acacia*, *Babool* and *Poplar* will be planted along the road-sides and also at the crusher site after consultation with local villagers/authority as per Approved mining plan. Capital cost of plantation is Rs 3.5 Lakhs.

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 42,000TPA (ROM) in the MLA 9.6768 ha.

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 1.5 meter 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 Himachal Pradesh and other Court of Law, if any.

**(2.2): J-11015/214/2011-IA.II (M) Mining of Sand Stone and Bajri of M/s Om Stone Crusher, Village Hagwal, Tehsil Nurpur, District Kangara, Himachal Pradeshn (18.9673ha; 1,08,000MT/yr).**

The Project Proponent requested to **defer** the project and **transfer** it to SEIAA, Himachal Pradesh as it is a Category B project as per amendment to EIA notification S.O. no. 141(E) dated 15.01.2016.

**(2.3): J-11015/136/2011-IA.II (M) River Bed Mining Project of Sand, Bajri& Stone (Minor Minerals) of M/s ShriGurmit Singh, Village ReruUparla, P.O. & Tehsil Nalagarh, District Solan, Himachal Pradesh (8.3208 ha; 58,750 TPA (ROM) (Consultant: Udaipur MinTech Pvt. Ltd., Udaipur, Sr. No. 157 in QCI/NABET list) – EC.**

The proposal of Mr. Gurmeet Singh, S/o Sh. Darshan Singh, situated at Village-SauriBhunia, Tehsil & P.O- Nalagarh, District –Solani(HP) is for mining of sand, Bajri & stone (Minor Mineral) with proposed production enhancement capacity 58,750 Tons/ Annum. The mine lease area is located near Reru river (Village- Reru Uparla, P.O. & Tehsil-Nalagrah, District –Solani (HP), in the mine lease area of 8.3208 ha. The Latitude and longitude of the mine lease area are 31°05'56"- 31° 06'05"N & 76°41'06' - 76°42'08"E respectively on Topo Sheet no. 53 A/12 & 53 A/16. It was informed that project was considered as category 'A' project as the mine site is located at 4.5 km from the interstate boundary. However, as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016 the project is categorized as category B project as general condition of interstate boundary is not applicable for sand mining projects. The proposal was considered in the Ministry as it was listed in agenda before the notification was published.

The proposal for TOR was considered by Expert Appraisal Committee in its meeting held during August 24-26 2011 to determine the TOR for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/136/2011-IA.II (M) Dated 30<sup>th</sup> March, 2012. The proposal was placed in EAC meeting held during July 29-30, 2015 for extension of validity of TOR. It was noted that EIA report was submitted to the Ministry on 01.11.2013. Therefore, no extension is required; accordingly a letter was issued to PP on 31.08.2015. It was noted that it is a violation case and pp has completed the proceedings on violation, the court case has been filed by State Board against all River Bed Mining Project of Minor Minerals (Sand, Bajri & Stone) in the court of Ld. Chief Judicial Magistrate, Nalagarh, District Solan, H.P.

The total mine lease area is of 8.3208 ha. This is classified as Govt. waste land. The mining lease for extraction of Sand, Bajri and stone has been granted for an area of 8.3208 hectares. The area is situated at Village – Reru Uparla (Khasra no. 455,679,742. & 932) in Tehsil – Nalagarh, District- Solan, State – Himachal Pradesh. The lease has been granted in favour of Mr. Gurmeet Singh, vide order no. Udhog - Bhu (Khani-4) Laghu-858/905 – 2041 dated 11.05.2007 for mining of grit, stone, sand and Bajri. The lease was registered and executed on 6.10.2008, for period up to 5 years (i.e. upto 5.10.2013). Now the lessee has applied for renewal of mining lease for next 5 years on dated 12.09.2012.

The mining will be done manually without drilling and blasting. Mining will be done only during day time and completely stopped in monsoon season. No mining machinery shall be deployed. Material will be replenished each year during the Monsoon. So no change in form of pit will occur. Excavation will be carried out up to a maximum depth of 1 meter from surface of deposit. The Ground water depth is 6m bgl in pre-monsoon season and 5 m bgl in post-monsoon season. The site elevation is 331 mts to 312 mtrs about msl. The total water requirement will be 4.10KLD (0.10KLD for drinking, 3.0 KLD for dust suppression and 1.0 KLD for Plantation). Water will be available from nearby villages. The loaded tractor trolleys / trucks will carry the material, about 195 tons of Sand, stone and Bajri would be required to be moved daily.

It was reported by the PP that no national park, wildlife sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). The base line data was generated for the period during April 2012 to June 2012. One month additional base line study of air and noise has been done in March-2015. The parameters of water and air quality were within the permissible limits. The public hearing for the proposed project was conducted on dated 24.05.2013, at village – Reru, Tehsil – Nalagarh, District – Solan, Himachal Pradesh. The public hearing was presided over by ADM and Regional Officer and also attended by local peoples, during the process suggestion, objection were invited from the local people regarding the project. During the public consultation, no objection regarding the project has been received. However people are happy for the coming project as they will get employment and other facilities. The cost of the project is Rs. 72.00 Lakhs. The capital cost of EMP will be Rs. 7.40 lakhs and amount earmarked for social fund is Rs. 2.50 lakhs for plan period.

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 **58,750 TPA (ROM)** in the mining lease area of **8.3208 ha**.

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 1.5 meter 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 Himachal Pradesh and other Court of Law, if any.

**(2.4): J-11015/82/2015-IA-II(M) Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 14.35 Lakhs TPA (ROM) by M/s ShyamJaina Ram, located at Tehsil and District –Sonipat Haryana (MLA-38.10 Ha).**

The proposal of M/s ShyamJaina Ram is for Sand (Minor Mineral) Mining with annual production capacity 14.35 Lakh Tons of Sand (Minor Mineral) in 38.10 Ha. The mine lease (ML) area lies mainly on the bed of River Yamuna (28.10 Ha.) and partly in outside riverbed (10.00 Ha) over an area of 38.10 Ha of District - Sonipat, State - Haryana. The proposed production from river bed is 12,75,000 TPA and outside river bed is 1,60,000 TPA. The Latitudes and Longitudes of MLA in River bed are North 29°04'11" N, 29°04'12" N, 29°03'56" N and 29°03'56" N and East 77°09'20" E, 77°09'49" E, 77°09'35" E and 77°09'30" E; in outside river bed are North 29°03'51" N, 29°03'51" N, 29°03'41" N and 29°03'41" N and in East 77°08'40" E, 77°08'53" E, 77°08'53" E and 77°08'40" E on Survey of India toposheet (OSM) numbers H43X1, H43R8 and H43R4. The Project is located in Seismic zone-IV. It was informed that project was considered as category 'A' project due to interstate boundary of Haryana and Uttar Pradesh at a distance of 1.0 Km East. However, as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016 the project is categorized as category B project as general condition of interstate boundary is not applicable for sand mining projects. The proposal was considered in the Ministry as it was listed in agenda before the notification was published.

The proposal was considered by the Expert Appraisal Committee in its 32<sup>nd</sup> EAC Meeting held during April 29-30, 2015 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF&CC vide letter No. J-11015/82/2015-IA-II (M) dated 04.06.2015. The proponent submitted Final EIA/EMP to the Ministry on 04.11.2015 for seeking environmental Clearance after conducting public hearing on 06.10.2015.

The mine lease area 38.10 ha lies mainly in the bed of River Yamuna (28.10 Ha.) and partly in outside riverbed area (10.00 Ha.). The land use of the lease area is Govt. waste land *i.e.* Gairmumkinnadinallah in riverbed of Yamuna river and Private land in outside riverbed. No forest land is involved. The Letter of Intent (LOI) of mining lease was granted to M/s ShyamJaina Ram on 21<sup>st</sup> January 2015 for 9 years by Director, Department of Mines & Geology, Haryana vide letter No. DMG/Hy/Cont/ Jainpur-1/2015/319. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/MP/SNP/Jainpur-1/3960-3963 dated 19.06.2015.

Method of mining is opencast method (semi-mechanized) in riverbed and opencast method (mechanized) in outside riverbed. The total water requirement is 20 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 3 meters in riverbed and upto 9 m in outside riverbed; no ground water interception during the mining operations is envisaged as ground water table is 5-10 m bgl in the riverbed and 15-20 m bgl in outside riverbed. The maximum depth of mining in the riverbed will not exceed 3m from the un-

mined bed level at any point of time with mining restricted to the central 3/4<sup>th</sup> width of the river. A safety margin of 2m will be maintained above the ground water table and no mining operation will be permitted below this level. Project Proponent submitted that 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. The site elevation is 209 to 215 m AMSL.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that frequency of trucks will be deployed 400 per day (25 tones capacity each) which increase 150 PCUs per hour for three highways NH1, SH11 and SH57. The level of service (LOS) for NH1 will remain same as "D", for SH11 it will be same as "C" and for SH57 it will change from "B" to "C". Project Proponent reported that haul roads will be repaired regularly and maintained in good conditions. The NH-1 is currently 6-lane Highway and it is proposed to be 8-lane Highway. The expansion (widening of lanes) of NH-1 is going on and will be completed within 3-4 months. Then the scenario of the LOS will be improved positively from D to C.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary). The baseline data has been collected from Pre-Monsoon (March to May 2015) within 10 Km radius of the study area. All the physical parameters *i.e.* air; water noise and soil along with biological parameter *i.e.* Ecology and Biodiversity are within permissible limit. It was observed by the Committee that baseline data had been collected prior to the issue of TOR without permission from Ministry. The PP submitted that issue was discussed in the EAC at the time of TOR presentation but could not be recorded in the minutes. The PP submitted the request and intimated the Ministry regarding collection of baseline data. The EAC was of the view that the base line data may be accepted.

The public hearing for the Proposed Project was conducted on 06.10.2015 at 10:00 am at mine site in village-Jainpur, Tehsil and Distt.-Sonipat, Haryana. The Public hearing was presided over by Sh. Shiv Prasad Sharma, Additional Deputy Commissioner District-Sonipat, Haryana. The issues raised during the public hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, village development activities and do not harm nearby fields and social development of village.

It was reported by the PP that there is no court case against this project. The capital cost of the project is Rs. 13.17 Crores; cost for Environmental Protection is Rs. 19.10 Lakhs; Budget for Occupational Health and Safety is Rs. 15.0 Lakhs. A budget of Rs. 22.0 Lakhs has been proposed for the conservation of wildlife in the area. A budget of Rs. 10.50 Lakhs is earmarked for plantation and its maintenance. For CSR Rs. 20.0 Lakhs/annum will be allocated. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 77.20 Lakhs to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand (Minor Mineral) in the river bed only (28.10 ha) and not in the paleo-channel/agricultural land with proposed production capacity of **12,75,000 TPA (ROM)**. The committee has decided to exclude agriculture land in view of the representations stating that the mining in the paleo-channel/agricultural land will result in deterioration of agricultural land, drainage pattern of the area resulting into the ponding effect.

The Committee also **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) The number of trips of the trucks shall not exceed the estimated quantity of 400 trucks trips per day. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (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 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) Washing of all transport vehicle should be done inside the mining lease; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.5): J-11015/24/2015-IA-II (M) Mining of Sand (Minor Mineral) by M/s DSP Associates with production capacity of 15,17,600 MTPA of Sand (Minor Mineral), located at Village – Tikola, Tehsil – Sonipat, District – Sonipat, Haryana (42.50 Ha)**



The proposal of M/s DSP Associates is for Sand (Minor Mineral) Mining with annual production capacity 15.176 Lakh Tons of Sand (Minor Mineral) in 42.50 Ha. The mine lease (ML) area lies mainly on the bed of River Yamuna (31.50 Ha.) and partly in outside riverbed (11.00 Ha.) over an area of 42.50 Ha of District - Sonapat, State - Haryana. The proposed production from river bed is 13, 41,600 TPA and outside river bed is 1, 76,000 TPA. The Latitudes and Longitudes of MLA in River bed are North 29°04'36" N, 29°04'30" N, 29°04'22" N and 29°04'22" N and East 77°09'00" E, 77°09'48" E, 77°09'11"E and 77°09'53"E; in outside river bed are North 29°04'39" N, 29°04'39" N, 29°04'29" N and 29°04'29" N and in East 77°08'23" E, 77°08'37" E, 77°08'23" E and 77°08'37" E on Survey of India topo-sheet (OSM) numbers H43X1, H43R8 and H43R4. The Project is located in Seismic zone-IV. The Project is located in Seismic zone-IV. It was informed that project was considered as category 'A' project due to interstate boundary of Haryana and Uttar Pradesh at a distance of 1.0 Km East. However, as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016 the project is categorized as category B project as general condition of interstate boundary is not applicable for sand mining projects. The proposal was considered in the Ministry as it was listed in agenda before the notification was published.

The proposal was considered by the Expert Appraisal Committee in its 31<sup>st</sup> EAC Meeting held during March 16-18, 2015 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by MoEF&CC vide letter No. J-11015/24/2015-IA-II (M) dated 13.04.2015. The proponent submitted Final EIA/EMP to the Ministry on 12.10.2015 for seeking environmental clearance after conducting public hearing on date 17.09.2015.

The mine lease area 42.50 Ha., lies mainly in the bed of River Yamuna (31.50 Ha.) and partly in outside riverbed area (11.00 Ha.). The land use of the lease area is Govt. waste land *i.e.* Gairmumkinnadinallah in riverbed of Yamuna river and Private land in outside riverbed. No forest land is involved. The Letter of Intent (LOI) of mining lease was granted to M/s DSP Associates on 2<sup>nd</sup> January 2015 for 9 years by Director, Department of Mines & Geology, Haryana vide letter No. DMG/Hy/Cont/ Tikola-1/2015/29. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/MP/SNP/Tikola-1/3841 dated 17.06.2015.

Method of mining is opencast method (semi-mechanized) in riverbed and opencast method (mechanized) in outside riverbed. The total water requirement is 18 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only up to 3 meters in riverbed and up to 9 m in outside riverbed; no ground water interception during the mining operations is envisaged as ground water table is 5-10 m bgl in the riverbed and 15-20 m bgl in outside riverbed. The maximum depth of mining in the riverbed will not exceed 3m from the un-mined bed level at any point of time with mining restricted to the central 3/4<sup>th</sup> width of the river. A safety margin of 2m will be maintained above the ground water table and no mining operation will be permitted below this level.

Project Proponent submitted that 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. The site elevation is 221 to 218 m AMSL. Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that frequency of trucks will be deployed 400 per day (25 tones capacity each) which increase 150 PCUs per hour for three highways NH1, SH11 and SH57. The level of service (LOS) for NH1 will remain same as "D", for SH11 it will be same as "C" and for SH57 it will change from "B" to "C". Project Proponent reported that haul roads will be repaired regularly and maintained in good conditions. The NH-1 is currently 6-lane Highway and it is proposed to be 8-lane Highway. The expansion (widening of lanes) of NH-1 is going on and will be completed within 3-4 months. Then the scenario of the LOS will be improved positively from D to C.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary). Baseline data has been collected from Pre-Monsoon (March to May 2015) within 10 Km radius of the study area. All the physical parameters *i.e.* air; water noise and soil along with biological parameter *i.e.* Ecology and Biodiversity are within permissible limit.

The public hearing for the Proposed Project was conducted on 17.09.2015 at 10:00 am at mine site in village-Tikola, Tehsil and Distt.-Sonipat, Haryana. The Public hearing was presided over by Sh. Shiv Prasad Sharma, Additional Deputy Commissioner District-Sonipat, Haryana. The issues raised during the public hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, village development activities and do not harm nearby fields and social development of village.

It was reported by the PP that there is no court case against this project. The capital cost of the project is Rs. 5.50 Crores; cost for Environmental Protection is Rs. 19.10 Lakhs; Budget for Occupational Health and Safety is Rs. 15.0 Lakhs. A budget of Rs. 22.0 Lakhs has been proposed for the conservation of wildlife in the area. A budget of Rs. 5.50 Lakhs per annum is earmarked for plantation and its maintenance. For CSR Rs. 19.0 Lakhs/annum will be allocated. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 90.70 Lakhs to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand (Minor Mineral) in the river bed only (31.50 ha) and not in the paleochannel/agricultural land with proposed production capacity of **13,41,600 TPA (ROM)**. The committee has decided to exclude agriculture land in view of the representations stating that the mining in the paleochannel/agricultural land will result in deterioration of agricultural land, drainage pattern of the area resulting into the ponding effect.

The Committee also **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) The number of trips of the trucks shall not exceed the estimated quantity of 400 trucks trips per day. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (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 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) Washing of all transport vehicle should be done inside the mining lease; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.6):J-11015/25/2015-IA-II(M)Sand Mining (Minor Mineral) of M/s Dahiya Traders with production capacity of 17,55,120 MTPA of Sand (Minor Mineral), located at Village – Nandnaur Unit, Tehsil – Sonipat, District – Sonipat, Haryana (52.30 ha).**

The proposal of M/s Dahiya Traders is for Sand (Minor Mineral) Mining with annual production capacity 17.552 Lakh Tons of Sand (Minor Mineral) in 52.30 Ha. The mine lease (ML) area lies mainly on the bed of River Yamuna (40.00 Ha.) and partly in outside riverbed (12.30 Ha.) over an area of 52.30 Ha of District - Sonipat, State - Haryana. The proposed production from river bed is 15, 78,000 TPA and outside river bed is 1, 77,120 TPA.

The Latitudes and Longitudes of MLA in River bed are North 29°02'01" N, 29°02'10" N, 29°01'40" N and 29°01'57" N and East 77°09'28" E, 77°09'59" E, 77°09'39" E and 77°10'00" E; in outside river bed are North 29°01'25" N, 29°01'25" N, 29°01'09" N and 29°01'09" N and in East 77°07'47" E, 77°07'57" E, 77°07'45" E and 77°07'55" E on Survey of India toposheet (OSM) numbers H43X1, H43X5, H43R8 and H43R4. The Project is located in Seismic zone-IV. As per EIA Notification dated 14th September, 2006 this project falls under Category "A" or Activity-1 (a), due to lease area more than 50 Ha and also there is interstate boundary of Haryana and Uttar Pradesh at a distance of 1.0 Km East.

The proposal was considered by the Expert Appraisal Committee in its 31<sup>st</sup> EAC Meeting held during March 16-18, 2015 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF&CC vide letter No. J-11015/25/2015-IA-II (M) dated 15.04.2015.

The mine lease area of 52.30 Ha lies mainly in the bed of River Yamuna (40.00 Ha) and partly in outside riverbed area (12.30 Ha). The land use of the lease area is Govt. waste land *i.e.* Gairmumkinnadinallah in riverbed of Yamuna river and Private land in outside riverbed. No forest land is involved. The Letter of Intent (LOI) of mining lease was granted to M/s Dahiya Traders on 2<sup>nd</sup> January 2015 for 10 years by Director, Department of Mines & Geology, Haryana vide letter No. DMG/Hy/Cont/ Nandnaur/2015/33. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/MP/SNP/Nandnaur/3952-3955 dated 19.06.2015.

Method of mining is opencast method (semi-mechanized) in riverbed and opencast method (mechanized) in outside riverbed. The total water requirement is 15 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only up to 3 meters in riverbed and up to 9 m in outside riverbed; no ground water interception during the mining operations is envisaged as ground water table is 5-10 m bgl in the riverbed and 15-20 m bgl in outside riverbed. The maximum depth of mining in the riverbed will not exceed 3m from the un-mined bed level at any point of time with mining restricted to the central 3/4<sup>th</sup> width of the river. A safety margin of 2m will be maintained above the ground water table and no mining operation will be permitted below this level. Project Proponent submitted that 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. The site elevation is 215 to 209 m AMSL.

The mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that frequency of trucks will be deployed 480 per day (25 tones capacity each) which increase 180 PCUs per hour for three highways NH1, SH11 and SH57. The level of service (LOS) for NH1 will remain same as "D", for SH11 it will be same as "C" and for SH57 it will change from "B" to "C". Project Proponent reported that haul roads will be repaired regularly and maintained in good conditions. The NH-1 is currently 6-lane Highway and it is proposed to be 8-lane Highway. The expansion (widening of lanes) of

NH-1 is going on and will be completed within 3-4 months. Then the scenario of the LOS will be improved positively from D to C.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary). Baseline data has been collected from Pre-Monsoon (March to May 2015) within 10 Km radius of the study area. All the physical parameters *i.e.* air, water noise and soil along with biological parameter *i.e.* Ecology and Biodiversity are within permissible limit.

The public hearing for the Proposed Project was conducted on 22.09.2015 at 10:00 am at mine site in village-Nandnaur, Tehsil and Distt.-Sonipat, Haryana. The Public hearing was presided over by Sh. Shiv Prasad Sharma, Additional Deputy Commissioner District-Sonipat, Haryana. The issues raised during the public hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, village development activities and do not harm nearby fields and social development of village.

It was reported by the PP that there is no court case against this project. The capital cost of the project is Rs. 18.25 Crores; cost for Environmental Protection is Rs. 21.10 Lakhs; Budget for Occupational Health and Safety is Rs. 15.0 Lakhs. A budget of Rs. 22.0 Lakhs has been proposed for the conservation of wildlife in the area. A budget of Rs. 10.50 Lakhs per annum is earmarked for plantation and its maintenance. For CSR Rs. 20.0 Lakhs/annum will be allocated. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 1.12 Crores to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand (Minor Mineral) in the river bed only (40.0 ha) and not in the paleochannel/agricultural land with proposed production capacity of **15,78,000 TPA(ROM)**. The committee has decided to exclude agriculture land in view of the representations stating that the mining in the paleochannel/agricultural land will result in deterioration of agricultural land, drainage pattern of the area resulting into the ponding effect.

The Committee also **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) The number of trips of the trucks shall not exceed the estimated quantity of 480 trucks trips per day. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (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 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) Washing of all transport vehicle should be done inside the mining lease; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.7) J-11015/60/2015-IA-II(M) Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 14.0 Lakhs TPA (ROM) by M/s Anand Singh and Company, located at Village – Tikola-2, Tehsil and District – Sonipat, Haryana (MLA-40.85 Ha).**

The proposal of M/s Anand Singh and Co. is for Sand (Minor Mineral) Mining with annual production capacity 14.0 Lakh Tons of Sand (Minor Mineral) in 40.85 Ha. The mine lease (ML) area lies mainly on the bed of River Yamuna (29.55 Ha.) and partly in outside riverbed (11.30 Ha.) over an area of 40.85 Ha of District - Sonipat, State - Haryana. The proposed production from river bed is 12,50,000 TPA and outside river bed is 1,50,000 TPA.

The Latitudes and Longitudes of MLA in River bed are North 29°04'22" N, 29°04'22" N, 29°04'11" N and 29°04'10" N and East 77°09'11" E, 77°09'50" E, 77° 09'52"E and 77° 09'19"E; in outside river bed are North 29°04'21" N, 29°04'21" N, 29°04'09" N and 29°04'09" N and in East 77°08'28" E, 77°08'40" E, 77°08'40" E and 77°08'20" E on Survey of India toposheet (OSM) numbers H43X1, H43R8 and H43R4. The Project is located in Seismic zone-IV. It was informed that project was considered as category 'A' project due to interstate boundary of Haryana and Uttar Pradesh at a distance of 1.0 Km East. However, as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016 the project is categorized as category B project as general condition of interstate boundary is not

applicable for sand mining projects. The proposal was considered in the Ministry as it was listed in agenda before the notification was published.

The proposal was considered by the Expert Appraisal Committee in its 32<sup>nd</sup> EAC Meeting held during April 29-30, 2015 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF&CC vide letter No. J-11015/60/2015-IA-II (M) dated 28.05.2015. The proponent submitted Final EIA/EMP to the Ministry on 10.10.2015 for seeking environmental Clearance after conducting public hearing on date 16.09.2015. It was observed by the Committee that baseline data had been collected prior to the issue of TOR without permission from Ministry. The PP submitted that issue was discussed in the EAC at the time of TOR presentation but could not be recorded in the minutes. The PP submitted the request and intimated the Ministry regarding collection of baseline data. The EAC was of the view that the base line data may be accepted.

The mine lease area of 40.85 Ha lies mainly in the bed of River Yamuna (29.55 Ha) and partly in outside riverbed area (11.30 Ha). The land use of the lease area is Govt. waste land *i.e.* Gairmumkinnadinallah in riverbed of Yamuna river and Private land in outside riverbed. No forest land is involved. The Letter of Intent (LOI) of mining lease was granted to M/s Anand Singh and Co. on 21<sup>st</sup> January 2015 for 9 years by Director, Department of Mines & Geology, Haryana vide letter No. DMG/Hy/Cont/Tikola-2/2015/322. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/MP/SNP/Tikola-2/6083 dated 13.07.2015.

Method of mining is manual opencast method (semi-mechanized) in riverbed and opencast method (mechanized) in outside riverbed. The total water requirement is 20 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 3 meters in riverbed and upto 9 m in outside riverbed; no ground water interception during the mining operations is envisaged as ground water table is 5-10 m bgl in the riverbed and 15-20 m bgl in outside riverbed. The maximum depth of mining in the riverbed will not exceed 3m from the un-mined bed level at any point of time with mining restricted to the central 3/4<sup>th</sup> width of the river. A safety margin of 2m will be maintained above the ground water table and no mining operation will be permitted below this level. Project Proponent submitted that 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. The site elevation is 221 to 218 m AMSL.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that frequency of trucks will be deployed 400 per day (25 tones capacity each) which increase 150 PCUs per hour for three highways NH1, SH11 and SH57. The level of service (LOS) for NH1 will remain same as "D", for SH11 it will be same as "C" and for SH57 it will change from "B" to "C". Project Proponent reported that haul roads will be repaired regularly and maintained in good conditions. The NH-1 is currently 6-lane Highway and it is proposed to be 8-lane Highway. The expansion (widening of lanes) of

NH-1 is going on and will be completed within 3-4 months. Then the scenario of the LOS will be improved positively from D to C.

The Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary). Baseline data has been collected from Pre-Monsoon (March to May 2015) within 10 Km radius of the study area. All the physical parameters *i.e.* air, water noise and soil along with biological parameter *i.e.* Ecology and Biodiversity are within permissible limit. It was observed by the Committee that baseline data had been collected prior to the issue of TOR without permission from Ministry. The PP submitted that issue was discussed in the EAC at the time of TOR presentation but could not be recorded in the minutes. The PP submitted the request and intimated the Ministry regarding collection of baseline data. The EAC was of the view that the base line data may be accepted.

The public hearing for the Proposed Project was conducted on 16.09.2015 at 10:00 am at mine site in village-Tikola, Tehsil and Distt.-Sonipat, Haryana. The Public hearing was presided over by Sh. Shiv Prasad Sharma, Additional Deputy Commissioner District-Sonipat, Haryana. The issues raised during the public hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, village development activities and do not harm nearby fields and social development of village.

It was reported by the PP that there is no court case against this project. The capital cost of the project is Rs. 13.17 Crores; cost for Environmental Protection is Rs. 19.10 Lakhs; Budget for Occupational Health and Safety is Rs. 15.0 Lakhs. A budget of Rs. 22.0 Lakhs has been proposed for the conservation of wildlife in the area. A budget of Rs. 5.50 Lakhs is earmarked for plantation and its maintenance. For CSR Rs. 20.0 Lakhs/annum will be allocated. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 92.0 Lakhs to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand (Minor Mineral) in the river bed only (29.55 ha) and not in the paleochannel/agricultural land with proposed production capacity of **12,50,000 TPA(ROM)**. The committee has decided to exclude agriculture land in view of the representations stating that the mining in the paleochannel/agricultural land will result in deterioration of agricultural land, drainage pattern of the area resulting into the ponding effect.

The Committee also **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) The number of trips of the trucks shall not exceed the estimated quantity of 400 trucks trips per day. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (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 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) Washing of all transport vehicle should be done inside the mining lease; and (x) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

#### **RECONSIDERATION OF ENVIRONMENT CLEARANCE:**

**(2.8) J-11015/50/2014-IA.II(M) Mining of Minor Mineral in the Mines of "Karnal Unit-2" of M/s Sh. DevenderNagpal, located at villages-ShergarhTapu, Mohiddinpur, Jharauli, Nabipur, Khirajpur, Mohammadpur&KhudaKalan (Block/Knl-3), Ghir (Block/Knl-8) &Nalvipur (Block/Knl-9), District-Karnal, Haryana (974.10ha).**

The Project Proponent vide letter dated 20.01.2016 requested to defer the proposal as the demarcation of the lease is subjudice. The Committee agreed to the request of the Project Proponent and deferred proposal to consider further on specific request.

**(2.9) J-11015/465/2012-IA,II(M)Bauxite Mining of M/s Ex-Servicemen Welfare Association, located at Village Girgaon, mhalsavade and Ringewadi, Tehsil Shahuwadi, District Kolhapur, Maharashtra (90.60 Ha.)**

This proposal is for opening new bauxite mine by M/s Ex-Servicemen Welfare Association, located at Village Girgaon, Mhalsavade and Ringewadi, Tehsil- Shahuwadi, District- Kohlapur, Maharashtra. Initially Lease was granted by Government of Maharashtra, for Bauxite over an area of 95.89 ha vide Letter no. MMN-3421/ C.R.7845/IND-9, dated 26/10/2009. However, there was a typographical error in the order relating to Survey nos. 102 of Girgaon which was wrongly mentioned as Survey no. 103, instead of S. No. 102 & S .No. 83 was shown under village Girgaon which actually falls in Mhalsavde village. The Association requested the Government of Maharashtra for rectification of the said order and Govt. of Maharashtra issued a fresh order vide order no. MMN- 3421/C.R. 7845/IND-9, dated 3/5/2010 under which, lease was granted for the period of Thirty years.

The Proposal was considered in the EAC meeting held during 18-20 July, 2007 for TOR. The Ministry issued ToR vide their letter no. J-11015/366 and 367 /2007-IA-II (II) (M) dated Aug 20, 2007. Based on TOR, EIA was prepared and submitted to Maharashtra Pollution Control Board Kolhapur for Public Hearing. Subsequently two Public Hearings were conducted for Girgaon, Mhalsvade and Ringewadi Villages on 26<sup>th</sup> August, 2011. The Proposal for EC was considered by the Expert Appraisal Committee in its meeting held during 21-24th November, 2012 and based on the information furnished, Presentation made and discussions held, the Committee sought from the PP (a) furnish a request letter to MoEF for amalgamation of two leases as the PP desires to have a single EC for the single Mine, covering the two adjoining lease holds; (b) resubmit the earlier Separate Form-I's and Pre-feasibility Report's as a single amalgamated entity; and (c) clarify the reasons for delay in getting environmental clearance for their earlier proposals. It was decided in that Meeting that the Proposal may be brought back before the Committee for its further consideration after the request letter /information as mentioned above was furnished.

The proposal was further considered in the EAC meeting held during March 13-15, 2013. The Project Proponent, vide reference no. 39/ESWAK stated that the State Government of Maharashtra has issued one composite lease for Girgaon, Mhalaswade (65.75 ha) and Ringewadi (30.14 ha) totaling 95.89 ha land and accordingly the PP has submitted the composite Form-I and Pre-feasibility Report for the combined area of 95.89 ha for Villages Girgaon, Mhalaswade and Ringewadi. As regards to any forest land and its diversion status, Proponent informed the Committee that they are in the process of surrendering 5.29 ha area, which is marked as forest land by the State Government, as distinctly marked in the Table submitted by the PP about the present position of the composite leasehold. Therefore the balance total Mine Lease area under consideration amounts 90.06 ha. The PP requested for the following:

1. To extend the validity of the TORs and issue a single TOR for the now composite Leasehold, covering Girgaon, Mhalaswade and Ringewadi Blocks.

2. To consider the Baseline Data already collected in the summer season of year 2011, by a MoEF recognized laboratory.
3. To consider the two separate Public Hearings for Girgaon, Mhalsvade and Ringewadi Villages held on 26<sup>th</sup> August, 2011, though based on two separate EIAs prepared in accordance with the previous two separate TOR letters.

After further clarifications and detailed discussions on related issues, the Committee agreed to prescribe composite TORs for undertaking detailed EIA study for the composite 90.06 ha area. On the question of considering the Baseline Data already collected, the Committee asked Proponent to recast/rearrange their present Database to suite the modified composite leasehold and supplement the same with baseline environment data for at least one month this summer season. The updated Baseline data should be used in the preparation of the composite EIA/EMP document.

As regards exemption from holding the PH over again, the Committee felt that though Public Hearing as such may not be necessary, but Public Consultations on all the changes such as merger of leaseholds, surrender of forest land and updated composite Baseline Data are required, for which the following procedure is advised viz:

1. To give the Public Notice asking the general public for their opinion and complaints if any, about this Project. This notice will be issued by the Project Proponent.
2. This Public Notice will be issued in local and national newspapers.
3. Submit the Feedback Report to the MoEF including comparison of baseline data, public opinion/complaints etc. at the time of their submission of final EIA/EMP documents for getting EC for the Project.

Further, on submission of final EIA/EMP report the proposal was considered in the EAC meeting held during 28-29 May, 2014. It was noted by the Committee that the proposed site is located in ESA of Western Ghat as per the draft notification issued vide S.O. 733 (E) 10.03.2014. Therefore, the Committee decided that the proposal cannot be considered by it as of now. The matter was examined in the ministry and based on the direction issued by Ministry vide dated 13.11.2013, the proposal was rejected and same was communicated vide letter dated 06.08.2014. The PP filed an appeal (Appeal No. 73/2014) before National Green Tribunal, Principal Bench New Delhi, against rejection order of Ministry. Hon'ble NGT referred back the proposal to Ministry for consideration as per Guidelines and Rules in existence.

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

- (i) The list of flora and fauna submitted was not complete; the scientific names were wrongly spelt. The complete revised list of the species in study area certified by State Government shall be submitted.

- (ii) The Accredited consultant was not present; a clarification in this regard shall be submitted.
- (iii) The Conservation Plan for schedule-I species shall be submitted.
- (iv) A detailed dust control plan, transportation route and evacuation plan shall be submitted.

The proposal was considered in the present meeting and after deliberations, it was noted that information submitted by Project Proponent is not satisfactory, the Project Proponent also agreed to the fact that the information submitted is not up to the mark for EAC to take any decision. The Committee decided that the Proposal be **deferred** till the aforesaid information is submitted.

## **AMENDMENT OF ENVIRONMENT CLEARANCE**

### **(2.10) J-11015/384/2012. IA. II (M) Dongri Iron Ore Mine of M/s Godawari Power & Ispat Ltd. At Village Kachche, Tehsil Bhanupratappur, District Uttar Bastar (Kanker), Chhattisgarh (106.60 ha to 138.96 ha).**

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

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

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

The PP vide letter dated 08.10.2015 requested for amendment of EC to install an iron ore crusher of 400 TPH with screening facilities within the mine lease area of 138.96 ha. The

PP mentioned that the iron ore crusher was already part of the approved mine plan and installation of iron ore crusher will facilitate to crush the iron ore lumps to sized ore. There will be an additional water requirement of 10 KLD for water sprinkling, control of fugitive emission of the proposed crushing process and additional power of 650 KW. The estimated cost of the proposed project is Rs15.00 crores.

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

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

The proposal was considered in the meeting and after deliberations; the Committee desired that the Proponent shall furnish the following information/clarification for further consideration by the Committee:

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

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

**(2.11) J-11015/1054/2007.IA.II(M)Nandihalli Raw Clay Mine from production capacity 0.012 to 0.045 MTPA of M/s Mysore Minerals Ltd. Located at Villages Mahadevarahalli and Manjenahalli, in Arsikere Taluk in Hassan District in Karnataka.**

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

**(2.12) J-11015/351/2006-IA.II(M)Integrated Barsua-Taldih-Kalta iron Ore mining (ML-130 lease), Beneficiation and Pelletisation Plant Project of M/s Steel Authority of India Limited, located in Village Tantra and within Tohra RF, Tehsil Koira, District Sundargarh, Orissa-EC amendment**

The mining lease of Barsua-Taldih-Kalta deposit is located in the southern extreme of Bonai iron ore range in Koira tehsil of Bonai subdivision in Sundargarh district of Orissa. The ML-130 lease area forms part of Survey of India toposheet no. 73 G/1 and is bounded by latitudes 21°49'25.43800"N to 21°59'50.88516"N and longitudes 85°07'43.73832"E to 85°13'53.48136"E.

The proposal for enhancement of iron ore production capacity from 2.54 million TPA to 8.05 million TPA (ROM) along with expansion of beneficiation plant from 2.54 million TPA to 6.75 million TPA [(2.5 million TPA + 4.25 million TPA (new))] and setting up of a pelletization plant of 2.0 million TPA. The EC to the project was granted on 29.10.2010.

The mines [(Barsua-976.429 ha. Taldih -1173.48 ha. (Taldih Block A & C-617.024 ha. and Taldih Block B & D-556.46 ha.) and kalta-336.47 Ha.)] are in ML-130 lease which comprises of a total mine lease area of 2486.391 ha., out of which 19.05 ha is an agriculture land, 2347.641 ha. is forest land, 113.841 ha is wasteland and 5.85 ha is others (settlement). As per EIA/EMP report area proposed for mining is 1113.024 ha., an area of 376.676 ha. is kept for OB dumps, 30.756 ha. for mineral storage, 98.505 ha. for infrastructure, 57.608 ha. for roads, 126.484 ha. for green belt and 683.338 ha. is others. Crushing and screening facilities are located in ML 130 lease whereas, a few other ancillary facilities viz. existing beneficiation plant over an area of 57.0 ha. (7.0 ha.) in ML-130 lease and balance (50 ha.) in **ML-162 lease**, with production capacity of 2.5 million TPA, railway siding etc are outside the ML 130 lease, in an adjoining **non-mineralized ML-162 lease** and partly in adjoining acquired area. In addition, a new beneficiation plant with a capacity of 4.25 million TPA is envisaged to be setup in an area of 83 ha, out of which 50.0 ha was to be in the ML-130 lease and area of 33 ha in adjoining ML-162 lease. The Pelletization plant of capacity 2 million TPA was envisaged to be setup in Barusa Valley. The Tailing pond is located outside the ML-130 lease having an area of 35.88 ha **out of which 27.17 ha is in adjoining ML-162 lease and balance 11.71 ha within the acquired land.**

The Mine working will be opencast by mechanized method with conventional shovel-dumper combination and involving drilling and blasting. The targeted production capacity of the mine is 8.05 MTPA of iron ore (2.5 MTPA from Barsua; 1.3 MTPA from Kalta and 4.25

MTPA from Taldih). The life of the mine in these three blocks varies from 23 years to 44 years ( Barsua 23 yrs, Kalta 44 Yrs. and Taldih 42 Yrs.). The iron ore will be transported through rail from railway siding at Barsua Valley. Inside the lease, ore is conveyed by a long distance conveyor. The existing beneficiation plant at Barsua has capacity to process 2.5 million TPA of iron ore from Barsua block. Under expansion program, beneficiation facility at Barusa Valley will be enhanced to process additional 4.25 million TPA of ROM to be produced at Taldih block. Pelletization facility will also be added alongside the beneficiation plant to produce (2 million TPA) from the beneficiated concentrate. No wet beneficiation was envisaged for the iron ore mined out at Kalta. Regarding proposed facilities for handling 4.25 million TPA of ROM from taldih block, after primary crushing at Taldih, crushed ore will be conveyed by a long distance belt conveyor (LDBC) from Taldih to Barsua valley (approx. 9 km) within ML-130 lease, area 2886.391 ha. Ore beneficiation plant of Barusa mine having processing capacity of 2.5 million TPA of iron ore, consists of two stages of crushing followed by screening. Blending of ore is carried out to obtain desired proportion. The processing facilities planned for Taldih mine comprises of primary crushing plant, crushed ore stockpiles, long distance belt conveyor, beneficiation plant, product stockpiling and loading system, pelletisation plant etc. A pellet plant of 2 million TPA capacity will be set up as a down stream facility in Barusa Valley based on the pellet grade fines produced mainly from Taldih mine.

The MOEF issued EC on 29<sup>th</sup> October, 2010 to the Integrated Barsua-Taldih-Kalta Iron Ore Mining Project along with Beneficiation and pellet plant project (within ML-130, ML-162 and acquired land) of M/s Steel Authority of India Ltd. for an annual production capacity of 8.05 million tones of iron ore by the open cast mechanized method along with setting up of a beneficiation plant of 4.25 million TPA (in addition to existing plant of 2.5 million TPA) and setting up of a pellet plant of 2.0 million TPA capacity involving total mine lease area of 2486.391 ha. in ML-130, 77.94 ha. in ML-162 lease and acquired land.

The project proponent (SAIL) has submitted on-line application for amendment of EC on 5<sup>th</sup> November, 2015, along with pre-feasibility report, approved scheme of mining, report on environmental impact due to modified production capacity, beneficiation and transportation arrangement. The PP has requested for following amendments:

- (i) Temporary permission to change iron ore production (ROM) from three blocks viz. Barsua, Taldih and Kalta in ML-130 lease from 2.5, 4.25 and 1.3 million TPA to 3.5, 2.05 and 2.5 million TPA respectively, keeping the total iron ore (ROM) production restricted to 8.05 million TPA as specified in the earlier environment clearance.
- (ii) Permission to operate existing beneficiation plant at the rate 4.5 million TPA instead of 2.5 million TPA.
- (iii) Permission for road transportation of part of iron ore (ROM) from Taldih block to the Barsua Valley (about 11 kms.) and to the Barsua beneficiation plant for a period five years till facilities viz. crushing plant, LDBC are erected and commissioned for the Taldih block.

- (iv) To replace 'outside mine lease area' with 'ML- 162 lease and acquired area' in environment clearance, in order to utilize the infrastructure facilities for processing of iron ore produced from ML-130 lease.
- (v) To modify the total lease area of ML-130 lease from 2486.391 to 2486.383 ha. as per the joint survey committee report (DGPS survey report) of Govt. of Odisha and the lease deed executed by and between the Govt. of Odisha and SAIL on 13<sup>th</sup> November, 2014.

The project proponent (SAIL) has requested for above (i)-(iii) amendments only for three years and has provided the justification/reasons in the pre-feasibility report for making amendments in the environment clearance no. J-11015/351/2006-IA.II (M) granted on 29<sup>th</sup> October, 2010. The Stage-II Forest Clearance for ML-130 lease was obtained on 06.03.2013 and Stage-I forest clearance exists for the diversion of 77.94 ha. in ML-162 lease which was granted on 10<sup>th</sup> February, 2015. Permission for tree felling in 24.06 ha. in Taldih block of ML-130 lease was granted on 28.10.2014 by the State Govt. and due to delay in tree felling, there has been considerable delay in establishing infrastructure for commencing the mining operation in the Taldih block. This is resulting in shortage of iron ore supply to the expanded and modernized SAIL steel plants. In order to meet the enhanced demand of iron ore of the already expanded / modernized steel plants, it is planned to redistribute iron ore production from the three blocks under ML -130 lease (i.e. Barsua to 3.5 Mt/yr, Kalta to 2.5 Mt/yr and Taldih Block to 2.05 Mt/yr) respectively against production of 2.5 Mt/yr from Barsua, 1.3 Mt/yr from Kalta & 4.25 Mt/yr from Taldih keeping the total annual production capacity within the approved limit of 8.05 Mt/yr till originally envisaged and approved facilities are established and commissioned in Taldih Block, which is likely to take about 5 years. The proposed redistribution of production from the mining blocks under ML - 130 would also involve change in beneficiation plant capacity of existing Ore Beneficiation Plant at Barsua from 2.5 Mt/yr to 4.5 Mt/yr and mode of temporary ore transport by road instead of earlier approved Long Distance Belt Conveyor. Thereafter, the project will operate as per the originally approved scope of work i.e. 2.5, 4.25 and 1.3 million TPA from Barsua, Taldih and Kalta blocks respectively. The scheme of mining has been approved by IBM vide No. MS/FM/36-ORI/BHU/2014-15/1843 dated 04.09.2015 for the proposed changes in production of iron ore (ROM) from the three mining blocks under ML-130 i.e. 3.5, 2.05 and 2.5 million TPA from Barsua, Taldih and Kalta blocks respectively (Total 8.05 million TPA of iron ore production-ROM).

As the above proposed change of scope of work is likely to impact the local road infrastructure as also the air quality of the area, specific environmental studies viz., Traffic Density Study and Air Quality Impact Prediction Study have been carried out and presented in the report. The project proponent submitted the information on in the Pre-feasibility Report. It has been observed that adequate road capacity is available to undertake additional traffic load due to ore transportation by road from ML - 130 as proposed. Further, the air quality impact prediction also shows the quality of air within the permissible limit.



Based on the information submitted, presentation made and discussion held, the Committee **recommended** the proposal for amendment in the environmental clearance granted vide letter no. J-11015/351/2006-IA.II (M) on 29th October, 2010 for the following:

- (i) Temporary permission to change iron ore production (ROM) from three blocks viz. Barsua, Taldih and Kalta in ML-130 lease from 2.5, 4.25 and 1.3 million TPA to 3.5, 2.05 and 2.5 million TPA respectively, keeping the total iron ore (ROM) production restricted to 8.05 million TPA as specified in the earlier environment clearance.
- (ii) Permission to operate existing beneficiation plant at the rate 4.5 million TPA instead of 2.5 million TPA.
- (iii) Permission for road transportation of part of iron ore (ROM) from Taldih block to the Barsua Valley (about 11 kms.) and to the Barsua beneficiation plant for a period five years till facilities viz. crushing plant, LDBC are erected and commissioned for the Taldih block.
- (iv) To replace 'outside mine lease area' with 'ML- 162 lease and acquired area' in environment clearance, in order to utilize the infrastructure facilities for processing of iron ore produced from ML-130 lease.
- (v) To modify the total lease area of ML-130 lease from 2486.391 to 2486.383 ha. as per the joint survey committee report (DGPS survey report) of Govt. of Odisha and the lease deed executed by and between the Govt. of Odisha and SAIL on 13<sup>th</sup> November, 2014.

The amendment for point no.(i) to (iii) will be only for 5 years.

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

#### **(2.13) J-11015/314/2013-IA-II(M) Kalingapatnam Mineral Sands Mine of M/s Trimex Ores Private Limited located at Santabommali and PolakiMandal in Srikakulam District, Andhra Pradesh (1538.57 ha.).**

The proposal is for mining of 4.0 MTPA Mineral Sands from 1538.57 ha Mine lease area and establishment of Pre-Concentration Plant of 600 TPH capacity and Mineral Separation Plant of 90 TPH capacity within the mine lease area for processing the mineral sand produced from the mine by M/s Trimex Ores Pvt Ltd located at Umilada, S.B.Kotturu, R.H.Puram, Malagam, Seepuram, Lakkivalasa, Maruvada & Meghavaram Villages of Santhabommali mandal and Nandigam, Ampalam, D.L.Puram, Rajapuram & Koduru villages of Polaki Mandal, Srikakulam District, Andhra Pradesh. The latitude and longitude of the site are Latitude:18°21'10"N to 18°30'00" N; Longitude: 84°07'45"E to 84°17'15"E. The mine lease area is 1538.57 ha Non-Forest, Patta, D-Patta& Government Land. The TOR to the project was issued vide MoEFCC Letter No. J-11015/314/2013-IA.II (M) dated 15<sup>th</sup> January 2014.

The PP submitted the online request for the extension of validity of TOR, as the additional studies are being carried out which have taken considerable time and submission of EIA report for conducting the Public Hearing has been delayed. Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for to the outer limit of two year i.e. **from 15.01.2016 to 14.01.2018**.

**(2.14).J-11015/62/2013.IA.II(M)Barytes Beneficiation Plant with a throughput capacity of 5.0 LTPA with output of 3.0 LTPA of M/s Gimpex A P Barytes Beneficiation Pvt. Ltd. at Village Korlakunta, MandalObulavaripalli, YSR Kadapa District, Andhra Pradesh (40.47ha).**

The proposed Barytes Beneficiation Plant with a throughput capacity of 5.0 LTPA with output of 3.0 LTPA of M/s Gimpex A P Barytes Beneficiation Pvt. Ltd. is located at village Korlakunta, MandalObulavaripalli, YSR Kadapa District, Andhra Pradesh (40.47 ha). The proposed project is categorized under Category 'A' Project because of mineral beneficiation is greater than 0.1 MTPA mineral through put as per 2(b) of Schedule of the EIA Notification, 2006. The geographical coordinates of the project site are (i) 14°1' 31.474" N, 79°17' 37.607" E (ii) 14°1' 18.647" N, 79°18' 8.961" E (iii) 14°1' 28.334" N, 79°18' 12.323" E and (iv) 14°1' 41.929" N, 79°17' 25.265" E. The TOR to the project was issued vide MoEFCC Letter No. J-11015/62/2013-IA.II (M) dated 05<sup>th</sup>November 2013.

The PP submitted the online request for the extension of validity of TOR, as the additional studies are being carried out which have taken considerable time and submission of EIA report for conducting the Public Hearing has been delayed. Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for to the outer limit of two year i.e. **from 15.01.2016 to 14.01.2018**.

The PP submitted the online request for the extension of validity of TOR, as the submission of final EIA report was delayed due to delay in conducting the Public Hearing. Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for to the outer limit of two year i.e. **from 05.11.2015 to 04.11.2017**. It was also informed by the PP that the proposal now falls under B category as per amendment to EIA notification SO 1598(E) dated 25.06.2014, The Committee therefore also recommended to transfer the Proposal to SEIAA, Andhra Pradesh.

**(2.15).J-11015/55/2013.IA.II(M)Proposed expansion of production of Kirari Limestone mine of M/s Lafarge indiapvt. Ltd., Village KirariChorbhatti, District- Janjgir-Champa, Chhattisgarh (0.36 MTPA to 0.72 MTPA)**

The proposal is for expansion of limestone production from 0.36 MTPA to 0.72 MTPA in the mining lease of 167.048 ha located in Kirari and Chorbhatti Villages of Akaltara Tehsil of JanjgirChampa District of Chhattisgarh state with Longitudes E 82°26'56.82" to E 82°28'12.16" & Latitudes N21°57'09.86" to N N21°58'36.33". Mining lease for a period of 20 years has been granted by then Government of Madhya Pradesh vide order no. 3-

133/95/12/2 dt. 19.04.2000. The TOR to the project was issued vide MoEFCC Letter No. J-11015/55/2013-IA.II (M) dated 8<sup>th</sup> January 2014.

The PP submitted the online request for the extension of validity of TOR, as the submission of final EIA report was delayed due to delay in conducting the Public Hearing. Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for one year i.e. **from 08.01.2016 to 07.01.2017.**

### **RE-CONSIDERATION OF TOR PROPOSALS**

#### **(2.16).J-11015/299/2015-IA-II(M)Gaitra Limestone mine of M/s Monnet Ispat& Energy Ltd. located at Villages Gaitra, Pasauri, Bharsela&Bharseli, District Baloda Bazar, Chattisgarh (278.144 Ha.)**

The proposed Gaitra limestone deposit of M/s Monnet Ispat& Energy Ltd is for 1.3 MTPA production. The proposal is regarding new open cast mine. The mining lease area is 278.144 ha, located in the villages Gaitra, Pasauri, Bharsela&Bharseli district Baloda Bazar, Chattisgarh. The lease hold area forms a part of Survey of India Toposheet No. 64K/2. The coordinates of the project are Latitude - 21° 40' 22" to 21° 41' 30" North and Longitude - 82° 06' 10" to 82° 07' 44" East.

Proposed method of mining will be mechanized open-cast method adopting a system of benches. Bench height will be maintained at 9 m. Total geological reserves are 79.09 MT and proved mineable reserves are 61.08 MT. Source of water will be ground water which will be used for industrial use and drinking purpose. Electric power will be sourced from Kukurdih Substation of Chhattisgarh State Electricity Board.

The proposal was considered in the EAC meeting held during September 22-24, 2015 wherein the Committee noted that it is a forest area, a nala passes through the lease and three ponds are located in the mine lease. The ground water intersection is also envisaged. The habitation is adjacent to mine lease boundary and villagers would be using these water resources. The Committee therefore looking to the sensitivity of the mining lease TOR cannot be prescribed and suggested the PP to look for alternatives.

The PP submitted an online request for reconsideration of the project after modifying their proposal. This was considered in the meeting wherein the PP submitted following points:

- (a) There are no ponds inside the mine lease area. All the ponds are outside the mine lease area at a distance of approximately 50-150 from the mine lease.
- (b) There is no forest land involved in project as mentioned in minutes of meeting earlier.
- (c) The PP informed that it is not possible to look for alternative site since mineral occurrence is site specific. The mine lease area is duly sanctioned by the Government of Chhattisgarh. The said mine was allotted based on the feasibility of the proposed cement plant in the nearby area for which Detailed Project Report has already been

prepared, land-water survey completed and application for land acquisition, Railway siding, water allocation has also been submitted to concerned authorities. Application for acquisition of private and govt. land falling within the mine area has also been submitted with the concerned authority. Now, finding mine in the nearby vicinity is not possible as the other available mineral bearing areas have already been allotted to other companies.

- (d) Several promising limestone leases in the surrounding area have already been allocated in the form of mining lease & PL to various companies such as Ambuja, Ultratech, Emami, Lafarge, Shree Cement etc. surrounding the Gaitra mine lease, which were shown on a map by the PP
- (e) Considerable progress has been made on various aspects of Gaitra mine such as grant of lease, approval of mining plan, completion of DGPS survey, application for land acquisition
- (f) Progress for the cement plant has also been made w.r.t DPR preparation; land-water survey completion and application for land acquisition, Railway siding, water allocation to concerned authorities.

The PP revised the earlier proposal. The PP highlighted the major changes which are as under:

- (a) To protect the villages and ponds outside the ML, the earlier proposed green belt of 7.5 m width has been increased to minimum 50 to maximum 80 m. Thus, increasing the barrier between the lease and the pond
- (b) The crusher & stack yard, which was earlier 100 m from the pond & Gaitra village has been shifted 900 m away from them. Thus, minimizing the impact due to fugitive emission, noise & vibrations
- (c) No mining shall be done within a distance of 50 meter from the village/structure and control blasting technique shall be adopted within a distance of 300 meter from the village/structure.
- (d) The non mineral bearing area in the north will now be planted completely. No canal or road within the ML will be disturbed. A safety zone of 45 m has been left around the canals and roads. This was earlier not proposed for plantation but will now be planted completely. Thus, the increase in plantation will enhance the buffering capacity of safety zone
- (e) The PP explained that due to the above changes, the company has increased the plantation from earlier proposed 15.0 ha to 105.224 ha as per revised proposal.

In addition to the above, specific measures shall be followed to ensure that no damage occurs due to blasting. Blasting shall not be done within a distance of 50 m from the building, structures, etc. Controlled blasting techniques shall be adopted between 50-300 m from any village houses, structures, canal, etc. Ground vibration shall be kept within the permissible limit of PPV as per DGMS norms. Whenever required, moist sand shall be used as the stemming materials and hole shall be blasted with proper muffling to arrest fly rocks. The PP committed that the ponds within 50 m of active pit area will be lined to ensure no

seepage. Thus, ensuring that the mining activity will not affect the water availability in the pond. Furthermore, the company can easily provide unutilised seepage water to fill the ponds. The abandoned mine pits in the lease will also serve as permanent water source for the villagers. The PP has submitted that they have proposed extra measures such as leaving wider than stipulated safety zones, plantation, controlled blasting, supply of water from mine sump to village ponds during mining if required, lining of ponds within 50 m of active mine pit, leaving drainage and canals undisturbed and leaving public roads undisturbed.

However, **Committee was of the view that the area is agriculturally rich with 3 m deep fertile top soil and water bodies in the lease area forming an ideal wetland ecosystem.** The submissions of the PP that cement plant is at the advance stage of development does not make it compulsive for the Committee to prescribe the TOR to the project as limestone is easily available mineral and PP shall look for some other site/source for procuring the limestone. Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee rejected the proposal** for prescribing the TOR.

**(2.17).J-11015/298/2015-IA.II(M) GumaPasauri limestone mine of M/s Monnet Ispat& Energy Ltd located at Villages Guma&Pausari, District Baloda Bazar, Chhattisgarh (252.552 Ha)**

The Proposal of GumaPasauri limestone proposed By M/s Monnet Ispat& Energy Ltd located at villages Guma&Pausari, district Baloda Bazar, Chattisgarh. The mining lease area is 252.552 ha, the proposed production of with a maximum rated capacity of 1.3 MTPA. The Geographical Co- ordinates for the mine site are Latitude - 21°35'10.9" to 21°36'22.9" N Longitude - 82°03'17.2" to 82°04'33.2" E The mine site falls on Survey of India Toposheet No. 64K/2.

Total Mine lease area is 252.552 ha. It will be a new open cast mine. Limestone will be used for captive use in Company's cement plant. Mining will be mechanized open-cast method adopting a system of benches. Water Requirement is 132cum/day. Total geological reserves are 117.24 MT and proved mineable reserve is 69.96 MT. The waste water generated within the mine lease would be the sanitation waste water which would be disposed in septic tanks. The waste generated will be mainly sub grade and Lateritic topsoil/waste. The total waste generated during plan period will be about 1.390 MT and 6.996 MT in the mine life period. It was reported by PP that there is Reserve Forest 2.10 Km Dhabbadih, Latwa 12.2 km. Expected cost of the Project is Rs. 140Cr. No Court case is pending against the Project.

The proposal was considered in the EAC meeting held during September 22-24, 2015 wherein the Committee noted that there is a canal passing through the lease area and a pond is located on the southern boundary. The habitation is adjacent to mine lease boundary and villagers would be using these water resources. The Committee was of the

view that looking to the sensitivity of the mining lease the TOR cannot be prescribed and suggested the PP to look for alternatives.

The PP submitted an online request for reconsideration of the project after modifying their proposal. This was considered in the meeting wherein the PP submitted following points:

- (a) There are no ponds on south side of the mine lease area within 900 m.
- (b) The total ML area is not forest, as mentioned in MoEFs letter dated 06.11.2015. Only 25.071 ha revenue forest land is present within total lease area.
- (c) The PP informed that it is not possible to look for alternative site since mineral occurrence is site specific. The mine lease area is duly sanctioned by the Government of Chhattisgarh. The said mine was allotted based on the feasibility of the proposed cement plant in the nearby area for which Detailed Project Report has already been prepared, land-water survey completed and application for land acquisition, Railway siding, water allocation has also been submitted to concerned authorities. Application for acquisition of private and govt. land falling within the mine area has also been submitted with the concerned authority. Now, finding mine in the nearby vicinity is not possible as the other available mineral bearing areas have already been allotted to other companies.
- (d) Several promising limestone leases in the surrounding area have already been allocated in the form of mining lease & PL to various companies such as Ambuja, Ultratech, Emami, Lafarge, Shree Cement etc. surrounding the Gaitra mine lease, which were shown on a map by the PP.
- (e) Considerable progress has been made on various aspects of this mine such as grant of lease, approval of mining plan, completion of DGPS survey, application for land acquisition. Gram Sabha under Forest Right Act has been conducted successfully and necessary consent from the villagers has been obtained for diversion of 25.071 ha revenue forest land.
- (f) Progress for the cement plant has also been made w.r.t DPR preparation, land-water survey completion and application for land acquisition, Railway siding, water allocation to concerned authorities.

The PP revised the earlier proposal. PP highlighted the major changes which are as under:

- (a) To protect the villages outside the ML, the earlier proposed green belt of 7.5 m width has been increased to 45 m. Thus, increasing the barrier between the lease and the village by creating a buffer.
- (b) No mining shall be done within a distance of 50 meter from the village/structure and control blasting technique shall be adopted within a distance of 300 meter from the village/structure.
- (c) A safety zone of 45 m has been left around the canals and roads. This was earlier not proposed for plantation but will now be planted completely. Thus, the increase in plantation will increase buffering capacity of safety zone
- (d) A through and through road has been left undisturbed to access the ponds and canals
- (e) Although three small ponds are situated outside the ML area, PP is taking sufficient

precautions as safety barrier of more than 50 m and plantation on the barrier.

(f) The PP explained that due to the above changes, the company has increased the plantation from earlier proposed 18.0 ha to 98.43 ha as per revised proposal.

(g) In the process of increasing safety zones, 12.35 mill.T (17.7% ) of reserves will be lost to the PP. Life of mine has been reduced by 5 years.

In addition PP submitted that specific measures shall be followed to ensure that no damage occurs due to blasting. Blasting shall not be done within a distance of 50 m from the building, structures, etc. Controlled blasting techniques shall be adopted between 50-300 m from any village houses, structures, canal, etc. Ground vibration shall be kept within the permissible limit of PPV as per DGMS norms. Whenever required, moist sand shall be used as the stemming materials and hole shall be blasted with proper muffling to arrest fly rocks.

The PP proposed extra measures such as leaving wider than stipulated safety zones, plantation, controlled blasting, and supply of water from mine sump to village ponds during mining if required, lining of ponds, leaving drainage and canals undisturbed and leaving public roads undisturbed.

However, **Committee was of the view that the area is agriculturally rich with 3 m deep fertile top soil and water bodies in the lease area forming an ideal wetland ecosystem.** The submissions of the PP that cement plant is at the advance stage of development does not make it compulsive for the Committee to prescribe the TOR to the project as limestone is easily available mineral and PP shall look for some other site/source for procuring the limestone. Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee rejected the proposal** for prescribing the TOR.

## **CONSIDERATION OF TOR PROPOSALS**

**(2.18). Sand, Stone & Bajri Mining of M/s Shri Ranbir Singh located at Mauza: Manpur Deora, Tehsil: Poanta Sahib, Dist: Sirmour, State: Himachal Pradesh (1.964 Ha.) IA/HP/MIN/31748/2015**

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

**(2.19). River Sand (Minor Mineral) Mining for Rivers Ganga, Karamnasa, Kao, Thora of M/s Katyani Contractors Pvt Ltd located at Village Sikraul Tehsil Simri District – Baxur, State-Bihar. (1141.09 HA ; 9,24,000 MTPA). IA/BR/MIN/33305/2015**

The proposal of M/s Katyani Contractors Pvt. Ltd. is for mining of river sand from Balu Ghats of rivers Ganga, Karamnasa, Kao, Thora & Noni River of District Buxar. The Balu Ghats are located in flat river beds and banks on the river Ganga (6 Ghats (1 Ghat each in Bhagarnadi and Bhainahi Nadi)), Karamnasa (2 Ghats), Kao (2 Ghats), Thora (4 Ghats),

Buxar District Bihar. Letter of intent has been issued in favour of M/s. Katyayni Contractors Pvt. Ltd. vide letter No. 211 Mine/ Buxar dated 12.08.2015 for 5 years by District Mining office Buxar. Mining will be carried out by open cast semi mechanized method. The 92,40,000 TPA of river sand will be excavated.

All the Ghats falls in Survey of India Toposheet No. 72C/2, 72C/3, 72C/6, 72C/7, 630/14, 630/15 and 630/16. AmsariGhat (Dumrao) (BUXT-1) lies between Latitudes 25°30'25.90"N; Longitudes 84°10'04.20"E to Latitudes 25°30'04.88"N; Longitudes 84°10'15.84"E. SiddhpurGhat (BUXT-2) lies between Latitudes 25°34'26.14"N; Longitudes 84°04'26.57"E to Latitudes 25°34'10.47"N; Longitudes 84°04'48.36"E. LewarGhat (BUXT-3) lies between Latitudes 25°34'48.44"N; Longitudes 84°10'01.60"E to Latitudes 25°34'28.68"N; Longitudes 84°09'57.53"E. PanchdharwaGhat (Rupsagar) (BUXT-4) lies between Latitudes 25°21'59.05"N; Longitudes 84°12'20.90"E to Latitudes 25°21'22.98"N; Longitudes 84°12'58.28"E. NiyazipurGhat (BUXT-5) lies between Latitudes 25°43'01.40"N; Longitudes 84°06'44.43"E to Latitudes 25°43'08.07"N; Longitudes 84°09'31.63"E. KirathpurGhat (Ramjiyawan) (BUXT-6) lies between Latitudes 25°33'46.22"N; Longitudes 83°56'48.49"E to Latitudes 25°32'31.24"N; Longitudes 83°55'03.96"E. ChausaGhat (Narbatpur, Sonpa) (BUXT-7) lies between Latitudes 25°31'23.06"N; Longitudes 83°54'08.83"E to Latitudes 25°30'53.67"N; Longitudes 83°52'36.11"E. AihruliGhat (BUXT-8) lies between Latitudes 25°35'43.28"N; Longitudes 83°59'36.01"E to Latitudes 25°36'37.67"N; Longitudes 84°00'53.15"E. SikrualGhat (BUXT-9) lies between Latitudes 25°24'01.53"N; Longitudes 84°07'18.70"E to Latitudes 25°24'02.22"N; Longitudes 84°09'01.59"E. BaikunthpurGhat (BUXT-10) lies between Latitudes 25°25'48.30"N; Longitudes 84°04'30.83"E to Latitudes 25°25'40.73"N; Longitudes 84°04'46.37"E. ManhataGhat (BUXT-11) lies between Latitudes 25°23'02.11"N; Longitudes 84°09'47.77"E to Latitudes 25°22'42.06"N; Longitudes 84°10'19.68"E. Rohinibhan (Dihari) (BUXT-12) lies between Latitudes 25°26'09.54"N; Longitudes 83°49'33.87"E to Latitudes 25°26'07.85"N; Longitudes 83°50'47.61" E. KaramnasaGhat (BUXT-13) lies between Latitudes 25°27'39.23"N; Longitudes 83°50'18.95"E to Latitudes 25°27'36.38"N; Longitudes 83°49'46.08"E. ChakkiGhat (BUXT-14) lies between Latitudes 25°39'41.71"N; Longitudes 84°15'05.49"E to Latitudes 25°37'32.96"N; Longitudes 84°15'12.98"E.

The total sum of all Balu Ghats lease area is 1141.09 ha which is classified as Government waste land. There is no forest land or agriculture land in the mine lease area. The total water requirement is 3.48 KLD for domestic purpose which will be made available by tanker from nearest village. It was reported by the PP that there is no National Park, Wild Life Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors, Protected & Reserved Forest etc. within 10 km radius. Total cost of the project is Rs. 6 Crore. There is no Court case/ litigation pending against the project.

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



**(2.20).River Sand (Minor Mineral) Mining Project for Rivers Ganga, Chandan, Badua, Gerua, Andhari&Khirkhariya of M/s Sainik Food Pvt. Ltd located at Village Chandpur, Tehsil Pirpainti District Bhagalpur, State- Bihar(M.L Area: 508.9486 ha, Production Capacity: 1,75,00,000 MTPA)IA/BR/MIN/33410/2015**

The proposal of M/s Sainik Food Pvt. Ltd. is for mining of river sand from Balu Ghats of rivers Ganga, Chandana, Badua, Gerua, Andhari&Khirkhariya River of District Bhagalpur. The Balughats are located in flat river beds and banks on the river Ganga (2 Ghats), Chandana (5 Ghats), Gerua (3Ghats), Andhori (1 Ghat), Bhagalpur District Bihar. Letter of intent has been issued in favour of M/s. Sainik Food Pvt. Ltd. vide letter No. 735/M Bhagalpur dated 22.08.2015 for 5 years by District Mining office Bhagalpur. Mining will be carried out by open cast semi mechanized method. 1,75,00,000TPA of river sand will be excavated.

All the Ghats falls in Survey of India Toposheet No. 72 K/11, 72K/12, 72K/15, 72K/16, 72L/9, 72L/10, 72L/13, 72L/14, 72O/3, 72O/4, 72P/1, 72P/2, 72O/7, 72O/8. KahalgaonGhat (BHGG-1) lies between Latitudes 25°15'29.10"N; Longitudes 87°12'36.88"E to Latitudes 25°14'23.45"N; Longitudes 87°11'34.71" E, MadhoRampura (BHGG-2) lies between Latitudes 25°24'20.72"N; Longitudes 86°53'34.21"E to Latitudes 25°24'22.46"N; Longitudes 86°52'16.14" E. Chandpur (BHGC-3) lies between Latitudes 25°07'48.80"N; Longitudes 86°58'01.52"E to Latitudes 25°06'59.21"N; Longitudes 86°57'12.42"E. Tahsur (BHGC-4) lies between Latitudes 25°06'59.01"N; Longitudes 86°56'58.87"E to Latitudes 25°04'28.53"N; Longitudes 86°56'46.11"E. ManikpurGhat (BHGC-5) lies between Latitudes 25°10'27.24"N; Longitudes 86°59'20.10"E to Latitudes 25°10'04.79"N; Longitudes 86°58'35.38"E. KankaithiGhat (BHGC-6) lies between Latitudes 25°08'53.17"N; Longitudes 86°57'27.18"E to Latitudes 25°07'39.02"N; Longitudes 86°57'03.14"E. DogachhiGhat (Jagdishpur) (BHGC-7) lies between Latitudes 25°10'06.69"N; Longitudes 86°58'33.41"E to Latitudes 25°09'15.06"N; Longitudes 86°57'58.88"E. PurainiGhat (Jagdishpur) (BHGC-8) lies between Latitudes 25°08'18.64"N; Longitudes 86°59'35.01"E to Latitudes 25°07'47.76"N; Longitudes 86°58'31.14"E. MahiyamaGhat (BHGC-9) lies between Latitudes 25°04'02.64"N; Longitudes 87°10'55.58"E to Latitudes 25°03'45.13"N; Longitudes 87°10'39.37"E. BaisaGhat (Sanhaura) (BHGG-10) lies between Latitudes 25°06'12.35"N; Longitudes 87°12'42.20"E to Latitudes 25°04'56.23"N; Longitudes 87°12'11.28"E. BathaniGhat (BHGG-11) lies between Latitudes 25°07'07.01"N; Longitudes 87°11'45.28"E to Latitudes 25°06'32.16"N; Longitudes 87°12'39.48"E. HajipurGhat (BHGA-12) lies between Latitudes 25°04'28.53"N; Longitudes 86°56'46.11"E to Latitudes 25°05'14.08"N; Longitudes 86°56'47.90"E.

The total sum of all Balu Ghats lease area is 508.9486 ha which is classified as Government waste land. There is no forest land or agriculture land in the mine lease area. The total water requirement is 4.44 KLD for domestic purpose which will be made available by tanker from nearest village. The VikramshilaGangetic Dolphin Sanctuary is located at a distance of 1.76 km fromKahalgaonghat.There is no other National Park, Biosphere Reserves, Tiger Reserves, Wildlife Corridors, Reserved & Protected Forest etc. within 10 km

radius. Total cost of the project is Rs. 8 Crore. There is no Court case/ litigation pending against the project.

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

**(2.21).Boulder, Gravel and Sand Minor Mineral Mines of M/s P.S. Buildtech located at Village Kanalsi Block/Ynr B 5 Tehsil- Jagadhri District-Yamuna Nagar (Haryana) (Mining Lease Area – 44.14 Hectares. Production Capacity19.50 Lakhs TPA)IA/HR/MIN/33892/2015**

The Letter of Intent (LoI) for mining lease "Kanalsi Block/YNR B 5", Yamuna Nagar for minor mineral sand over an area of 44.14 hectares has been granted from Director, Mines and Geology department, Chandigarh, Haryana, vide Memo No. DMG/HY/Cont/Kanalsi Block /NYR B 5 /2015/10072 dated 30/11/2015 for the period of 09 year to Sh. Kulvinder Singh S/o Sh. Trilochan Singh. The proposed production capacity of sand minor minerals is 19.50 Lakhs TPA. The lease area lies on Yamuna riverbed. The total mine lease area is 44.14 hectares. The mine lease area is located between the following coordinates:

<b>Pillar no</b>	<b>Latitudes</b>	<b>Longitudes</b>
<b>A</b>	N 30° 08' 31"	E77° 24' 15"
<b>B</b>	N 30° 08' 31"	E77° 24' 42"
<b>C</b>	N 30° 08' 27"	E77° 24' 42.5"
<b>D</b>	N 30° 08' 24"	E77° 24' 46"
<b>E</b>	N 30° 08' 17"	E77° 24' 26"
<b>F</b>	N 30° 08' 20"	E77° 24' 19"
<b>G</b>	N 30° 08' 13"	E77° 24' 15"
<b>H</b>	N 30° 08' 13"	E77° 24' 12.5"
<b>I</b>	N 30° 08' 11"	E77° 24' 12.5"
<b>J</b>	N 30° 08' 11"	E77° 24' 10"
<b>K</b>	N 30° 08' 09"	E77° 24' 10"
<b>L</b>	N 30° 08' 09"	E77° 24' 7.5"
<b>M</b>	N 30° 08' 14"	E77° 24' 00"
<b>N</b>	N 30° 08' 16"	E77° 24' 00"
<b>O</b>	N 30° 08' 25"	E77° 24' 10"
<b>P</b>	N 30° 08' 27"	E77° 24' 10"
<b>Q</b>	N 30° 08' 27"	E77° 24' 12.5"
<b>R</b>	N 30° 08' 29"	E77° 24' 12.5"
<b>S</b>	N 30° 08' 29"	E77° 24' 15"

Toposheet (OSM) No. -**H43L8, H43L12**.

It was reported by the PP that no National Park falls within the 10 Km radius of the project site. Total mine lease area is 44.14 Ha. which is a Govt. land (Gaur Mumkin Nadi, Nala.). Method of mining will be Open cast Semi-Mechanized. Total water requirement for the proposed project will be 40.0 KLD. Water for dust suppression, domestic and plantation will be supplied by tankers from existing dug well / tube well situated in the nearby areas. The cost of the project is Rs. 5.0 Crores. The cost for EMP is 20.1 Lakhs. The PP requested for permission for monitoring of baseline data from December 2015. The Committee agreed to the request of PP.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**. The project now falls under Category B as per the amendment to EIA notification S.O. no. 141(E) dated 15.01.2016. Therefore, Committee also recommended transferring the proposal to the SEIAA, Haryana.

**(2.22). Sand Minor Mineral Project of Sh. Kulvinder Singh S/o Sh. Trilochan Singh M/s P.S. Buildtech located at Village Jathlana and Dhakwala, Tehsil- Radaur, Distt.- Yamuna Nagar, Haryana (Mining Lease Area – 101.27 ha; Production Capacity = 45 Lakhs TPA) IA/HR/MIN/33902/2015.**

The Letter of Intent (LoI) for mining lease "JATHLANA BLOCK/YNR B 12", Yamuna Nagar for minor mineral sand over an area of 101.27 hectares has been granted from Director, Mines and Geology department, Chandigarh, Haryana, vide Memo No. **DMG/HY/cont/Jathlana Block/YNR-B 12/2015/10070** dated **30/11/2015** for the period of 10 year to **Sh. Kulvinder Singh S/o Sh. Trilochan Singh**. The proposed production capacity of sand minor minerals is 45.00 Lakhs TPA. The lease area lies on Yamuna riverbed. The total mine lease area is 101.27 hectares. The mine lease area is located between the following coordinates:

<b>Pillar no</b>	<b>Latitudes</b>	<b>longitudes</b>
<b>A</b>	N 30° 00' 30"	E77° 14' 46"
<b>B</b>	N 30° 00' 34"	E77° 14' 58"
<b>C</b>	N 30° 00' 34"	E77° 15' 11"
<b>D</b>	N 30° 00' 36"	E77° 15' 11"
<b>E</b>	N 30° 00' 36"	E77° 15' 23.5"
<b>F</b>	N 30° 00' 35.5"	E77° 15' 23.5"
<b>G</b>	N 30° 00' 35.5"	E77° 15' 33"
<b>H</b>	N 30° 00' 24"	E77° 15' 56"
<b>I</b>	N 30° 00' 20"	E77° 16' 00"
<b>J</b>	N 30° 00' 12"	E77° 15' 54"
<b>K</b>	N 30° 00' 19"	E77° 15' 13.5"
<b>L</b>	N 30° 00' 19"	E77° 15' 02"
<b>M</b>	N 30° 00' 20"	E77° 14' 59"

<b>N</b>	N 29° 59' 48'''	E77° 14' 39''
<b>O</b>	N 29° 59' 51''	E77° 14' 37''
<b>P</b>	N 30° 00' 00''	E77° 14' 37.5''
<b>Q</b>	N 30° 00' 11''	E77° 14' 43.5''
<b>R</b>	N 30° 00' 15''	E77° 14' 42''

Toposheet (OSM) No. -**H43L8, H43L12, H43R1, H43L4**

It was reported by the PP that no National Park falls within the 10 Km radius of the project site. Total mine lease area is **101.27 Ha.**, which is a Govt. land (Gaur Mumkin Nadi, Nala.). Method of mining will be Open cast Semi-Mechanized. Total water requirement for the proposed project will be **70.1 KLD**. Water for dust suppression, domestic and plantation will be supplied by tankers from existing dug well / tube well situated in the nearby areas. The cost of the project is **Rs. 12.0 Crores**. The cost for EMP is **22.85 Lakhs**. The PP requested for permission for monitoring of baseline data from December 2015. The Committee agreed to the request of PP.

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

**(2.23). Aridongri Iron ore Mine of M/s Chhattisgarh Mineral Development Corporation Limited located at Compartment No. 608 (Old 139) village Kacche, Tekadhoda, Baisakanar, Bhiravahi & Perakodo, Tehsil Bhanupratappur, District, Kanker Chattisgarh (The proposed lease area is 166.800 Ha (166.8 ha mining lease + 0.9ha Approach road = Total 167.700 Ha; 5,00,000 Tones/Year).) IA/CG/MIN/33143/2015.**

The Chhattisgarh Mineral Development Corporation Ltd. is proposing to develop 0.5 MTPA/ 5, 00,000 tones per year Iron Ore Mine in lease area of 166.800 Ha (166.8 ha mining lease + 0.9ha Approach road = Total 167.700 Ha). The area falls in Toposheet No. 64 /H/03 and located at Forest Compartment No. 608 (Old 139) Village Kacche, Tekadhoda, Baisakanar, Bhiravahi & Perakodo, Tehsil Bhanupratappur, District, Kanker Chattisgarh.

The lease area is a linear ridge land covered by very thin lateritic soil. The general slope is toward north-west. The Khandi Nadi is about 10 kms away toward south direction from the PL area. The entire ML sanctioned area is under reserve forest area. Wild life Sanctuary & National Park do not lie within the study area of 10 km radius. The project area is accessible by Dalli-Rajhara -Bhanupratappur road. The nearest railway station is Dalli-Rajhara situated about 30 km north from the area. Kacche (Aridongri) area is well connected with District Headquarter Kanker by metalled road.

The mining will be carried out by opencast mechanized method. About 62 KLD of water will be required for mining operations including drinking as well as plantation from bore well. Direct employment for 90 persons is proposed. The capital cost for the project will be 100 Crores with out-sourcing or 462 Crores while doing operation departmentally including proposed lease area and machinery.

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

**(2.24).River Sand (Minor Mineral) Mining Project of M/s Elite Mining Corporation located at Village: Gumthala, Tehsil: Jagadhri, District- Yamuna Nagar (Haryana)(M.L Area: 49.67 ha, Production Capacity: 21,88,008 TPA, the Interstate Boundary of Uttar Pradesh- Haryana lies within 5 km from the river Yamuna) IA/HR/MIN/33738/2015.**

The PP mentioned that this is now Category B project as per amendment to EIA notification S.O. no. 141(E) dated 15.01.2016. Therefore, PP requested to transfer the proposal to the SEIAA, Haryana.

**(2.25).Marble Mining Mineral of M/s. ShriJayantibhai D. Patel located at Survey No 57 (P), village Zarivav, Tehsil Danta, District Banaskantha, State Gujarat (1.7549; 51,072MTPA)IA/GJ/MIN/32974/2015.**

The committee was of the view that the project is now Category B project as per recent amendment to EIA notification S.O. no. 141(E) dated 15.01.2016. Therefore, recommended to **transfer** the proposal to the SEIAA, Haryana.

**(2.26).Mining of Dolomite of M/s Shreeji Minerals located at Village Zer&Dadigam, TalukaChottaUdepur, Dist Vadodara, Gujarat State.IA/GJ/MIN/33456/2015.**

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

**(2.27).Captive Limestone Mining of M/s Heidelberg Cement India (HCIL) located at Village Rohisha, Balana and Vadhera, JafrabadTaluk, District-Amreli, State Gujarat(891.72 ha; 5.5 MTPA) IA/GJ/MIN/33578/2015**

The proposal is to undertake limestone mining over 891.72 ha with production capacity of 5.5 MTPA. The PP informed that LOI for the grant of mining lease has been issued by the Department of Industry and Mines, Gujrat, vide letter no. MCR-112005-987-CH-1 dated 08.02.2006. The LOI is in the name of Indo Rama. The Committee was of the view that the proposal for TOR may be considered after the transfer of LOI in the name of M/s Heidelberg Cement India (HCIL).

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

**(2.28).Marble Stone Mining Project of M/s DkTrivedi and Sons located at village Zarivav, TalukaDanta, District Banaskantha, Gujarat.(15.1241 ha)IA/GJ/MIN/33936/2015**

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

**(2.29). Marble Stone Mining Project of M/s Vipul Marble Company located at Village - Koteswar, Taluka - Danta, District - Banaskantha (Gujarat)(10.00.00 ha;production is Marble 2,53,700 TPA (ROM 9,60,000 TPA)IA/GJ/MIN/34132/2015**

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

**(2.30).Proposed Limestone Mine of M/s. UltraTech Cement Ltd. (UTCL) located at Villages- Bambhor and Talli , Taluka- Talaja, District- Bhavnagar (Gujarat)(193.3269 ha; 0.53 MTPA)IA/GJ/MIN/34113/2015**

M/s. UltraTech Cement Ltd. (UTCL) has proposed Limestone mine (M.L. Area- 193.3269 ha) with Production Capacity of 0.53 Million TPA.The mine lease is located at Villages- Talli and BambhorTaluka- Talaja, District- Bhavnagar (Gujarat). The mining lease area falls in Survey of India Toposheet No 41 O/16 (Restricted).

It was reported by the PP that there is no Wildlife Sanctuaries, National Park, Biosphere Reserve, and Wildlife corridors, Tiger/Elephant Reserves, within 10 km radius of the project site. Gulf of Cambay is falling within 10 km radius of Mine site. Letter of Intent (LOI) was granted for Limestone over an area of 193.3269 ha by Department of Industries & Mines, Gandhinagar dated 04.06.2001 in favor of Grasim Industries and the name changed to UltraTech Cement Ltd. by Secretariat, Gandhinagar, Department of Industry and Mines, Government of Gujarat vide letter no. MCR/102012/1248/CHH dated 09.07.2015.

The Mining Plan was approved by Controller of Mines (North), IBM vide letter no. - 682(23) (310)/ 2004-UDP dated 14.06.2004.Total Mine lease area is 193.3269 ha. Out of the total lease area, 38.0 ha is Govt. land and 155.3269 ha is Private land. Mining operations will be carried out by Eco- friendly mining method using surface miner. No drilling and blasting will be carried out.

The total water requirement will be 60 KLD which will be sourced from Narmada water supply, proposed desalination plant and Mine sump as and when developed. Total Manpower requirement for the project will be 30 persons.

The cost of the project is Rs. 30 Crore/-, the Capital cost of EMP will be Rs.75 Lakhs/- and Recurring Cost will be Rs. 25 Lakhs/ annum for plan period. There is no court case/ litigation pending against the project. The PP requested for permission for monitoring of baseline data from December 2015. The Committee agreed to the request of PP. The PP has informed that the mine lease is on poor soil and mining industry in the area will bring in the development of the area.

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

**(2.31).Proposed Limestone Mine of M/s. UltraTech Cement Ltd. (UTCL) located at Villages- Kalsar, Dayal&Kotda, Taluka- Mahuva, District- Bhavnagar (Gujarat)(670.4826 ha.; 2.074 MTPA)IA/GJ/MIN/34191/2015:**

M/s UltraTech Cement Ltd. (UTCL) has proposed Limestone mine (ML Area- 670.4826 ha) with Production Capacity of 2.074 Million TPA.The mine lease is located at Villages Kalsar, Dayal and Kotda, Taluka- Mahuva, District- Bhavnagar (Gujarat). The mining lease area falls in Survey of India Topo sheet No 41 O/16 (Restricted).

It was reported by PP that there is no Wildlife Sanctuaries, National Park, Biosphere Reserve, and Wildlife corridors, Tiger/Elephant Reserves, within 10 km radius of the project site. Gulf of Cambay is falling within 10 km radius of Mine site. The Letter of Intent (LOI) was granted for Limestone over an area of 670.4826 ha by Department of Industries & Mines, Gandhinagar, Gujarat dated 04.06.2001 in favor of Grasim Industries and the name changed to UltraTech Cement Limited by Secretariat, Gandhinagar, Department of Industry and Mines, Government of Gujarat vide letter no. MCR/102012/1248/CHH dated 09.07.2015.

The total Mine lease area is 670.4826 ha. Out of the total lease area, 62.81 ha is Govt. land and 607.6726 ha is Private land. Mining operations will be carried out by Eco-friendly mining method using surface miner. No drilling and blasting will be carried out. The total water requirement will be 100 KLD which will be sourced from Narmada water supply, proposed desalination plant and Mine sump as and when developed. Total Manpower requirement for the project will be 120 persons.

The cost of the project is Rs. 60 Crore/-, the Capital cost of EMP will be Rs.1 Crore/- and Recurring Cost will be Rs. 30 Lakhs/ annum for plan period. There is no court case/ litigation pending against the project.The PP requested for permission for monitoring of baseline data from December 2015. The Committee agreed to the request of PP. The PP has informed that the mine lease is on poor soil and mining industry in the area will bring in the development of the area.

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

**(2.32).Proposed Limestone Mine of M/s. UltraTech Cement Ltd. (UTCL) located at Villages- Methala, Madhuvan, Jhanjmer, Rajpara, Ralia&Gadhula, Taluka- Talaja, District- Bhavnagar (Gujarat)(851.3216 ha.; production capacity: 3.21 MTPA (ROM).IA/GJ/MIN/34245/2015:**

The Proposed Limestone Mine (M.L. Area- 851.3216 ha) with Production Capacity of 3.21 MTPA (ROM) at Villages- Methala, Madhuvan, Jhanjmer, Rajpara, Ralia and Gadhula, Taluka- Talaja, District- Bhavnagar (Gujarat).The mining lease area falls in Survey of India scale Toposheet No. 46 C/4 (Restricted).

It was reported by the PP that there is no Wildlife Sanctuaries, National Park, Biosphere Reserve, and Wildlife corridors, Tiger/Elephant Reserves, within 10 km radius of the project site. Gulf of Cambay is falling within 10 km radius of Mine site.

The Letter of Intent (LOI) was granted for Limestone mining over an area of 851.3216 ha by Department of Industries & Mines, Gandhinagar, Gujarat dated 21.07.1999 in favor of Indian Rayon & Industries Ltd. As Indian Rayon & industries was merged into Grasim Industries and the name changed to UltraTech Cement Ltd. by Secretariat, Gandhinagar, Department of Industry and Mines, Government of Gujarat vide letter no. MCR/102012/1248/CHH dated 09.07.2015.

Mining Plan was approved by Controller of Mines (NZ), IBM vide letter no.- 682(23)(45)/ 2000-MCCM(UDP) dated 23.01.2001.Total Mine lease area is 851.3216 ha. Out of the total lease area, 6.70 ha is Govt. land and 844.6216 ha is Private land. Mining operations will be carried out by Eco- friendly mining method using surface miner. No drilling and blasting will be carried out.

The total water requirement will be 150 KLD which will be sourced from Narmada water supply, proposed desalination plant and Mine sump as and when developed. Total Manpower requirement for the project will be 43 persons.

The cost of the project is Rs.100 Crore/-, the capital cost of EMP will be Rs.1.25 Crore/-and Recurring Cost will be Rs. 40 Lakhs/ annum for plan period. There is no court case/ litigation pending against the project. The PP requested for permission for monitoring of baseline data from December 2015. The Committee agreed to the request of PP. The PP has informed that the mine lease is on poor soil and mining industry in the area will bring in the development of the area.



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

**(2.33).Marble Stone Mining Project of M/s Moti Marble located at Village - Koteshwar, Tehsil - Danta, District - Banaskantha (Gujarat)( 1.57 ha; 100000 tones)IA/GJ/MIN/34209/2015**

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

**(2.34).Marble Stone Mining Project of M/s KailashkumarNagarmalChaudhary located at Village - Koteshwar, Taluka - Danta, District - Banaskantha (Gujarat)(2.73.16 ha;79992 TPA)IA/GJ/MIN/34243/2015**

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

**(2.35).Marble Stone Mining Project of M/s ChandubhaiKeshavlal Patel located at Village - Koteshwar, Taluka - Danta, District - Banaskantha (Gujarat)((1.00.00 ha; 12,000 TPA)IA/GJ/MIN/34182/2015**

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

**(2.36).Marble Stone Mining Project of M/s Arbuda Minerals and Chemicals located at Village - Chikhla, Taluka - Danta, District - Banaskantha (Gujarat)(0.54.00 ha; 48,000 TPA)IA/GJ/MIN/34340/2015**

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

**(2.37).Marble Stone Mining Project of M/s Vijay Marble located at Village - Koteshwar, Taluka - Danta, District - Banaskantha (Gujarat)(2.99.47 ha;15000 TPA)IA/GJ/MIN/34308/2015**

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

**(2.38).Marble Stone Mining Project of M/s ShriRamakantShriniwas Sharma located at Village - Koteshwar, Taluka - Danta, District - Banaskantha (Gujarat) (1.97.29 ha;50,000 TPA) .IA/GJ/MIN/34361/2015**

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

**(2.39).Marble Stone Mining Project of M/s M B Stone PVT. LTD. located at Village - Chikhla, Taluka - Danta, District - Banaskantha (Gujarat)(2.56.15 ha; 90000 tones)IA/GJ/MIN/34237/2015**

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

**(2.40).Marble Stone Mining Project of M/s Dhaneshwari Marble located at Village - Koteshwar, Taluka - Danta, District - Banaskantha (Gujarat)(1.25.60 ha;50,000 TPA).IA/GJ/MIN/34446/2015**

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

**(2.41).Marble Stone Mining Project of M/s Radha Swami Marble located at Village - Koteshwar, Taluka - Danta, District - Banaskantha (Gujarat)(0.96.11 ha;12,000 TPA)IA/GJ/MIN/34462/2015**

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

**Day 2: 21<sup>st</sup> JANUARY, 2016 (THURSDAY)**

**CONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**(2.42).Dungla Limestone Mine with enhancement of production capacity from 24,567 TPA to 2 Lakh TPA of Limestone (ROM) and installation of Crusher and Screening Plant by M/s Associated Limestone Ltd., located at Village- Ahiron ka Khera, Tehsil- Dungla, District- Chittorgarh, Rajasthan (119ha) (Consultant: Perfect Enviro Solutions Pvt. Ltd.)-Consideration of EC**

The proposal of M/s Associated Limestone Ltd. is for Dungla Limestone Mine with enhancement of production capacity from 24,567 TPA to 2 Lakh TPA of Limestone (ROM) and installation of Crusher and Screening Plant in the mine lease area 119 ha. The mine lease area is located at village- Ahiron ka Khera, Tehsil.- Dungla, District- Chittorgarh, Rajasthan. The Latitudes and Longitudes of the site 24<sup>0</sup>30'22.69" N to 24<sup>0</sup>30'50.53" N and 74<sup>0</sup>22'15.77" E to 74<sup>0</sup> 23'5.38" E respectively on the Survey of India Toposheet no. 45L/6, 45L/7.

The Committee noted that the MoEFCC had earlier prescribed the TOR for the same project vide MoEF letter no. J-11015/430/2008-IA.II (M) on dated 05.02.2009. The Proponent submitted EIA/EMP report to the Ministry on 09.04.2013 for seeking environmental clearance after conducting Public Hearing, but after expiry of the validity of TOR. In this context, MoEF&CC, vide letter dated 24.06.2013 informed to Project Proponent to apply afresh for TOR as per MoEF circular dated 22.03.2010. The base line data was undertaken from December 2011 to February 2012 and the Public Hearing was held on 29.11.2012. Project Proponent has requested to use the base line data and Public Hearing for preparation of the EIA/EMP report. Based on the Application submitted by Project Proponent for TOR, the proposal was appraised in the EAC meeting held during September 25-27, 2013, EAC recommended to use the base line data undertaken from December 2011 to February 2012 and Public Hearing conducted on 29.11.2012 for preparation of the

EIA/EMP report for the said project. The proposal was examined in the Ministry and it was decided that the PP needs to collect baseline data afresh and also to conduct the Public Hearing again and accordingly prescribed the TOR on 30.12.2013.

In view of the decision of the MoEF&CC, the Project Proponent has filed an application before the Hon'ble NGT, Delhi [Application No. 195 of 2014]. The Hon'ble NGT, vide order dated 03.02.2015, directed the MoEF&CC to reconsider the view expressed in MoEF&CC letter dated 24.06.2013, viz: 'Let the MoEF re-examine the views expeditiously as per Law'. Accordingly, the MoEF&CC has requested EAC to reexamine the proposal. The Proposal was appraised by EAC in its meeting held during April 29-30, 2015 wherein the Committee deliberated at length and reiterated its earlier recommendations and recommended that Project Proponent has to collect one month baseline data and validate it from the previous data and submit the Revised EIA/EMP Report using the earlier Public Hearing held on 29.11.2012. The matter was again re-examined in the Ministry and accordingly the Ministry, vide letter dated 09.06.2015, has advised the Project Proponent to collect one month baseline data and validate it from the previous data and submit the Revised EIA/EMP Report using the earlier Public Hearing held on 29.11.2012. Accordingly, the Project Proponent has submitted the revised EIA/EMP report online to the Ministry.

The proposal is for enhancement of production capacity from 24,567 TPA to 2.0 Lakhs TPA (ROM). A crusher and screening plant of 100 tones per hour (TPH) capacity will be installed as part of this project. Total mine lease area is 119ha. Out of which 40 ha is Government waste land and 79 ha is Agricultural land. Mining Lease was granted by State Govt., vide Govt. order no. F-4(6)/Mines/GROUP-2/92 for 10 years from 12.11.1992 to 11.11.2012. Further, lease period has been extended for 10 years vide Letter No. AME/NIMBAHERA/CC-2/ML11/1992/2416 dated 04.12.2012. The lease period is now valid up to 11.11.2022. The total mineable reserves of limestone are of the order of 24.3 million tones. The life of mine is 121 years. The limestone is overlain by overburden of other impure rocks of 1.0-4.0 m of Phyllite, Schist etc. At present 4.50 ha area is already excavated 107.39 is undisturbed land. Mines and Geology Department, Govt. of Rajasthan vide letter dated that 18.03.2013 mentioned that the lease area does not falls under Aravalli hills range.

Method of Mining will be done by fully mechanized opencast method involving drilling and blasting with the help of excavator/loader and dumper. Bench height will be kept at 6 m and working bench width will be 20 m. Ultimate working depth will be 422mRL i.e. 35 m. Dust suppression will be carried out in working area and haul roads by sprinkling of water with water tanker. Wet drilling will be practiced to reduce noise generation and Personal Protective Equipments will be provided to the mine workers. Green belt will be developed in safety zone and plantation will be carried out. Besides this, plantation drive in the surrounding ML area has been undertaken with the total involvement of community, for better survival rate. The total water requirement is 20 KLD at peak demand, out of which 2 KLD for drinking purpose, 7.5 KLD for green belt development, and 10.5 KLD for dust suppression. The water shall be sourced from nearby village through tankers and water

collected in unused pit. No ground water interception during the mining operations is envisaged

The Baseline studies were carried out during December 2011- February 2012. The revalidated baseline data was generated for the period of May, 2015. Although, all the ambient air quality parameters are within the limits of national ambient air quality standards in both the seasons but the concentration of PM<sub>10</sub> is relatively higher in May 2015. Project Proponent reported that this is due to the generation of dust from various activities *i.e.* drilling, loading and other transport activities. There is an increase in the concentration of alkalinity, TDS, total hardness, calcium, magnesium, chloride, nitrate nitrogen in water quality found in May 2015 due to increased anthropogenic activities. Topography of the ML area and its surroundings are plain. Maximum and minimum contours passing through the area are 466 mRL & 456 mRL respectively. North eastern part is at higher elevation with respect to south-western part. Non perennial nalla merge into seasonal River Motiwala which is located about 1.5 Kms eastern side of the lease area. The climate of the area is warm and dry throughout the year and rainfall is quite scarce and erratic. The study area of buffer zone is having social infrastructure facilities like hospital, schools, electricity, potable water, transport facilities, post & communications etc. These facilities have been strengthened under CSR activities.

Public Hearing was conducted on 30.11.2012. The Public Hearing was presided over by Shri N. K. Kothari, ADM, 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, which inter-alia, included that priority to local people in employment, hiring people of nearby area, effective implementation of measures to control dust pollution and controlled blasting will be carried out. The Committee also noted that the fertile agriculture land falls in and around the mining lease area with human and live stock in-habitation. Public also annoyance surfaced during public hearing about the drilling blasting. This issue has not been properly addressed by the Project Proponent. There is urgent need of carrying out scientific investigation in respect of "Blast induced ground vibration, fly rock & air blast". Based on this study, Project Proponent should design an effective blast design to curb blast induced menace & public annoyance. Further, the Conceptual mining plan has not been dealt properly. It is a long term perspective view of the mining depending upon the time frame for ascertaining true potentiality of the area and scale of operation proposed which in turn will indicate the life of the mine as well as ultimate pit limit. Ensuing five year proposal is also part of it. Hence it is pertinent to cast a effective "Reclamation/rehabilitation/restoration" plan with correct post mining scenario

The cost of the Project is Rs. 1 crores including the 'Crusher and Screening Plant' installation cost. The Proponent has earmarked Rs. 12 Lakhs per annum towards recurring expenses for Environmental Protection Measures. Proponent informed that Rs. 4 lakh have been earmarked towards CSR. Project Proponent has reported that there is not court case/litigation pending against the Project.

The Committee noted that the Project Proponent has not submitted the details of Crusher and Screening Plant and also the details of plantation of carried out. The Committee deliberated at length the information submitted by Project Proponent and **deferred** the Proposal and sought the following information/clarifications for further consideration:-

- (i) A detailed analysis report on occupational health of the workers need to be submitted;
- (ii) Details of Crusher and Screening Plant along with flow diagram need to be submitted;
- (iii) Details of plantation carried out till date in and around the mine lease area;
- (iv) Copy of mine lease showing the mine lease area of 119ha to be submitted.
- (v) The Committee noted that the PP has submitted the Conservation Plan for Peacock, however, the budgetary provision are left blank. In this context the PP need to submit acopy of Conservation Plan for Schedule I Species along with budgetary provision and also the status of its approval with the Chief Wild Life Warden of the State Government.

**(2.43). Mining in "Wah Pyn kon Limestone Mine" with proposed production capacity of 49,275 TPA (ROM) of Limestone by M/s Cement Manufacturing Company Ltd., located at Village- Lumshnong, P.S.- Khliehriat, District- East Jaintia Hills, Meghalaya (13.58ha) (Consultant: Perfect Enviro Solutions Pvt. Ltd., New Delhi) - Consideration of EC**

The proposal of Cement Manufacturing Co. Ltd. is for mining in "Wah Pynkon Limestone Mine" with production capacity of 49,275 TPA (ROM) in the mine lease area 13.58 ha. The mine lease area is located at Village- Lumshnong, P.S. - Khlieriat, District-East Jaintia Hills, Meghalaya. The Latitudes and Longitudes of the site is 25° 9'42.78"N to 25° 9'58.59"N and 92°23'12.31"E to 92°23'40.20"E respectively on the Survey of India Toposheet no. 83 C/8 (Restricted).It is a Category 'A' project as the Narpuh Wildlife Sanctuary is located at 3.2 km in SE direction from the mine lease area. Limestone from this mine will be utilized in its own cement plant located at about 2km from the mine.

Project Proponent reported that project was earlier presented in SEIAA Meghalaya and TOR was issued by the SEIAA, Meghalaya, vide letter No.SEIAA/PR-23/2012/3, dated 24.04.2013. After TOR, the Narpuh Reserve Forest was declared as Wild Life Sanctuary, vide Notification No. FOR.128/2013/20, dated 10<sup>th</sup> June 2014. The project is at a distance of 3.2 km from the Narpuh Wild life Sanctuary. The general condition has applied to the project and accordingly considered as Category 'A' as per the provisions of EIA Notification 2006. The Project Proponent has submitted the Application for revalidation and extension of validity of TOR and accordingly, the proposal of Revalidation of TOR was considered by the Expert Appraisal Committee in its 35<sup>th</sup>EAC Meeting held during June 24<sup>th</sup> -26<sup>th</sup> , 2015. The revalidation of TOR was issued by MoEFCC, vide letter No. J-11015/193/2015-IA-II(M), dated 10<sup>th</sup> July, 2015. The Proponent submitted the EIA/EMP report online to Ministry for seeking environmental clearance with one month revalidated data.

The proposal is for Limestone Mining with proposed production of 49,275 TPA (ROM) of Limestone in the mine lease area of 13.58 ha. All the land within the lease area is private non forest land; it is a hillock of rocky barren nature. LoI was granted vide letter no. MG.96/2007/82 dated 22<sup>nd</sup> July 2010 the lease period is for 30 years. Mine Plan along with Progressive Mine Closure Plan was approved by the IBM, Kolkata, vide letter No. IBM/GHY/MEG/JNH/LST/MP-69 dated 11.05.2015. The total mineable reserves of limestone are of the order of 0.430155 million tones. The life of mine is about 9 years. The entire land is owned by CMCL. Total land is virgin or undisturbed land. Topography of the ML area and its surroundings are rugged and mountainous. Maximum and minimum contours passing through the area are 387 mRL & 273 mRL respectively. North eastern part is at higher elevation with respect to south- eastern part. A seasonal stream Umtyrngai flowing west to east along the northern boundary of the project site.

Method of Mining will be done by fully mechanized opencast method involving drilling and blasting with the help of excavator/loader and dumper. Bench height will be kept at 6 m & working bench width will be 20 m. Ultimate working depth will be 381-330mRL i.e. 51 m. Dust suppression will be carried out in working area and haul roads by sprinkling of water with water tanker. Wet drilling will be practiced to reduce noise generation and Personal Protective Equipments (PPE) will be provided to the mine workers. Green belt is proposed to be developed in safety zone and plantation will be carried out. Besides this, plantation drive in the surrounding ML area will be undertaken with the total involvement of local community, for better survival rate. The total water requirement is 15 KLD, out of which 1 KLD for drinking purpose, 6 KLD for mining & allied activities, and 8 KLD for sprinkling. The water shall be met from Cement Plant of CMCL. No ground water interception during the mining operations is envisaged.

Baseline studies were carried out during March 2013- May 2013. The revalidated baseline data was generated for the period May, 2015. All the parameters for water and air quality were within permissible limits. The climate in the study area is typically tropical. The study area of buffer zone is having social infrastructure facilities like hospital, schools, electricity, potable water, transport facilities, post & communications etc. These facilities have been strengthened under CSR activities.

The Public Hearing was conducted on 12.06.2014. The Public Hearing was presided over by Smt. D. Phawa MCS, ADC, East Jaintia Hills District, Meghalaya. The representatives from the Meghalaya 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, hiring people of nearby area, effective implementation of measures to control dust pollution. Final EIA/EMP report was submitted to SEIAA on 29.10.2014. Further the Narpuh Reserve Forest was declared as Wild Life Sanctuary, vide no. FOR.128/2013/20, dated 10<sup>th</sup> June 2014. The project is at a distance 3.2 km SE from Narpuh Wild Life Sanctuary. The general condition has applied to the project and considered as Category 'A' as per EIA Notification 2006. The

project was again appraised as a Category 'A' project in MoEFCC and based on extension and revalidated ToR, the EIA/EMP report was submitted for appraisal.

Project Proponent reported that the mine lease area is at a distance of 3.2 km from the Narpuh Wild life Sanctuary. NBWL Clearance is mandatory for the Project. Schedule I species are reported in the study area. A species specific conservation plan for scheduled I species has been prepared and which was approved by the PCCF, Meghalaya vide no. MFG. 16/50/CMCL/Vol.I/II,031 dated 28.11.2013 and supplementary conservation plan has also been approved vide no. CMCL/Cons.PI-Supl/2015, dated 05.11.2015. Office of the Jaintia Hills Autonomous District Council: Jowai vide letter no. JHADC/FOR/2/2003/2005, dated 20th January, 2015, has verified that the notified boundary of Narpuh Wild life Sanctuary is 3.2 km.

The cost of the Project is Rs. 131 Lakhs. The Proponent has earmarked Rs. 6.0 Lakhs per annum towards recurring expenses for Environmental Protection Measures. Proponent informed that Rs. 3 lakh have been earmarked towards capital cost of CSR and Rs. 2 lakhs as recurring cost. Project Proponent has reported that there is no court case/litigation pending against the Project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for Environmental Clearance for **Mining of Limestone with production capacity of 49,275 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.

**(2.44). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in Rawasan-2 River (a Tributary of River Ganga) with proposed production capacity of 316496.25 m<sup>3</sup>/annum by M/s Uttarakhand Forest Development Corporation, Uttarakhand, located at Village-Rawasan & Mitiveri, Tehsil-Haridwar, District-Haridwar, Uttarakhand (MLA:100.59 ha) (Consultant: Greencindia Consulting (P) Ltd.)- Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhand, is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 316496.25 m<sup>3</sup>/annum. The mine lease area is located at Village-Rawasan & Mitiveri, Tehsil-Haridwar, District-Haridwar, Uttarakhand with mine lease area of 100.59 ha. The mine lease area of 100.59ha lies on Ganga River bed. The Latitudes and Longitudes of the mine lease area lies between 29°48'34.40" N to 29°49'36.83" N and 78°14'34.45" E to 78°16'31.93" E on Survey of India topo-sheet numbers 53 K/1, K/2, K/5, K/6. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9<sup>th</sup> Meeting held during 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The ToR was issued by MoEFCC vide letter No. J-11015/373/2012-IA. II (M), dated 15<sup>th</sup> October, 2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance.

Total mine lease area of 100.59ha which is a forest land. The Ministry of Environment, Forest and Climate Change, vide letter No. 8-16/2000-FC(Pt.) dated 24<sup>th</sup> September, 2014 has granted Stage I FC approval for collection of Minor Minerals for a period of 10 years from 1380.03ha of reserve forest land located in river bed of River Ganga and its tributaries in Haridwar District of Uttarakhand. M/s Uttarakhand Forest Development Corporation has informed that Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 02.03.2015 has issued LOI for 8 locations viz. Pilli (131.31ha); **Rawasan II (100.59ha)**; Rawasan I (Gandikhata) (99.79ha); Kotawali (74.67ha); Ganga Bishanpur (237.91ha); Ganga Shyampur (219.442ha); Ganga Bhogpur (190.57ha) and Ganga Chidiyapur (325.74ha) for mining of minor minerals.

Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri and Boulder over an area of 100.59 ha has been granted by the Director of Mines and Geology



Department, Govt. of Uttarakhand, vide letters dated 10.12.2012 and vide No. Khanna/Ashaypatra /V.Vi.Ni./Bhu.Kh.Ni.E./2014-15 dated 02.03.2015. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no. 2257/Mine Plan/U.Kh.Ni./Haridwar/2013-14, dated 09.03.2015.

Method of Mining is manual open cast method. Excavation will be carried out up to a maximum depth of 1.5 m from surface of sand deposit and 1 m above from the water level of the River channel whichever is reached earlier. Proponent informed that 32.67 ha area will be used for excavation as per the recommendation of Central Soil & Water Conservation Research and Training Institute, Indian Council of Agricultural Research, Dehradun. The site elevation is 245-260 m AMSL. The Ground water depth is 6 m bgl in pre-monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 11.5 KLD including water demand for domestic purpose, dust suppression and plantation development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely 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. Mineral will be transported by road.

Project Proponent has made the Traffic Analysis survey and reported that 158 numbers of trucks will be deployed per day (16 tones capacity each). The total PCUs estimated is 948 PCUs per day. The level of service (LOS) will change from "A" to "C". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Project Proponent reported that the mine lease area lies at a distance of 5.50 km from the Raja Ji National Park in NE direction. NBWL clearance is mandatory for the project. The Project Proponent reported that the Standing Committee of NBWL in its meeting held on 04.11.2015 has recommended the NBWL clearance with the restriction on collection during summer from April to September as the Wild animals visit these locations for water during this period. Further, the Project Proponent reported that there are Schedule I species in the study area, accordingly, the species specific conservation plan has been prepared which was approved by the Chief Wildlife Warden, Uttarakhand. The Project Proponent has earmarked Rs. 22.84 lakhs towards implementation of Conservation plan for Scheduled Species.

The baseline data was generated for the period during October 2014 to December 2014. The parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 07.05.2015 at Van Vishram Bhawan Chidiyapur, District Haridwar. The Public Hearing was presided over by Ms. Ravneet Cheema, Additional District Magistrate (Finance), District - Haridwar. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The capital cost of the Project is Rs. 19 Lakhs. The Proponent has earmarked Rs. 32.34 Lakhs towards EMP as a capital cost and Rs. 3.0 Lakhs per annum towards recurring cost. Proponent informed that Rs. 1.65 Lakh per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in Rawasan-2 River (a Tributary of River Ganga) with proposed production capacity of 316496.25 m<sup>3</sup>/annum.**

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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. Emergencyhelpline number will be displayed at all levels; (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v) The number of trips of the trucks shall not exceed the estimated quantity of **158 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with 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; Washing of all transport vehicle should be done inside the mining lease; and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.45). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in Rawasan-1 River (a Tributary of River Ganga) with proposed production capacity of 495623.69 m<sup>3</sup>/annum by M/s Uttarakhand Forest Development Corporation, Uttarakhand, located at Village-Rawasan & Mitiveri, Tehsil-Haridwar, District-Haridwar, Uttarakhand (MLA 99.79 ha) (Consultant: Greencindia Consulting (P) Ltd.)- Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhand is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 495623.69 m<sup>3</sup>/annum. The mine lease area is located at Village-Rawasan & Mitiveri, Tehsil-Haridwar, District-Haridwar, Uttarakhand with mine lease area of 99.79 ha. The mine lease area of 99.79 ha lies on Ganga River bed. The Latitudes and Longitudes of the mine lease area lies between 29<sup>o</sup>47'00.09" N to 29<sup>o</sup>48'14.35" N and 78<sup>o</sup>12'25.66" E to 78<sup>o</sup>14'34.01" E on Survey of India topo-sheet numbers 53 K/1, K/2, K/5, K/6. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9<sup>th</sup> Meeting held during 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The ToR was issued by MoEFCC vide letter No. J-11015/367/2012-IA. II (M), dated 15th October, 2014. The Proponent submitted the EIA /EMP Report online to the Ministry for seeking environmental clearance.

Total mine lease area of 99.79ha which is a forest land. The Ministry of Environment, Forest and Climate Change, vide letter No. 8-16/2000-FC(Pt.) dated 24<sup>th</sup> September, 2014 has granted Stage I FC approval for collection of Minor Minerals for a period of 10 years from 1380.03ha of reserve forest land located in river bed of River Ganga and its tributaries in Haridwar District of Uttarakhand. M/s Uttarakhand Forest Development Corporation has informed that Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 02.03.2015 has issued LOI for 8 locations viz. Pilli (131.31ha); Rawasan II (100.59ha); **Rawasan I (Gandikhata) (99.79ha)**; Kotawali (74.67ha); Ganga Bishanpur (237.91ha); Ganga Shyampur (219.442ha); Ganga Bhogpur (190.57ha) and Ganga Chidiyapur (325.74ha) for mining of minor minerals.

Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri and Boulder over an area of 99.79 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letters dated 10.12.2012 and letter No.

Khanna/Ashaypatra/V.Vi.Ni./Bhu.Kh.Ni.E./2014-15, dated 02.03.2015. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no. 2252/Mine Plan/U.Kh.Ni./Haridwar/2013-14, dated 09.03.2015.

Method of Mining is manual open cast method. 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. Proponent informed that 72.06 ha area will be used for excavation as per the recommendation of Central Soil & Water Conservation Research and Training Institute, Indian Council of Agricultural Research, Dehradun. The site elevation is 245-260 m AMSL. The Ground water depth is 6 m bgl in pre-monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 12.4 KLD including water demand for domestic purpose, dust suppression and plantation development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely stopped in monsoon season. Total working day will be 225 days annually. No mining will be done in the zone of 100m on either side of the structure/bridge. Project Proponent reported that there will be construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure. Mineral will be transported by road.

Project Proponent has made the Traffic Analysis survey and reported that 248 numbers of trucks will be deployed per day (16 tones capacity each). The total PCUs estimated is 1488 PCUs per day. The level of service (LOS) will change from "A" to "C". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Project Proponent reported that the mine lease area lies at a distance of 9.60 km from the Raja Ji National Park in NE direction. NBWL clearance is mandatory for the project. The Project Proponent reported that the Standing Committee of NBWL in its meeting held on 04.11.2015 has recommended the NBWL clearance with the restriction on collection during summer from April to September as the Wild animals visit these locations for water during this period. Further, the Project Proponent reported that there is Schedule I species in the study area accordingly; the species specific conservation plan has been prepared which was approved by the Chief Wildlife Warden, Uttarakhand. The Project Proponent has earmarked Rs. 29.0 lakhs towards implementation of Conservation plan for Scheduled Species.

The baseline data was generated for the period during October 2014 to December 2014. The parameters for water and air quality were within permissible limits. Project

Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 07.05.2015 at Van Vishram Bhawan Chidiyapur, District Haridwar. The Public Hearing was presided over by Ms. Ravneet Cheema, Additional District Magistrate (Finance), District - Haridwar. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The capital cost of the Project is Rs. 13 Lakhs. The Proponent has earmarked Rs. 35.5 Lakhs towards EMP as a capital cost and Rs. 2.0 Lakhs per annum towards recurring cost. Proponent informed that Rs. 1.65 Lakh per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in Rawasan-1 River (a Tributary of River Ganga) with proposed production capacity of 495623.69 m<sup>3</sup>/annum.**

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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. Emergencyhelpline number will be displayed at all levels; (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v) The number of trips of the trucks shall not exceed the estimated quantity of **248 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public

Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.46). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in RiverGanga with proposed production capacity of 308331.42m<sup>3</sup>/annumby M/s Uttarakhand Forest Development Corporation, Uttarakhand,located at Village-Shyampur, Tehsil-Haridwar, District-Haridwar, Uttarakhand (MLA 219.442ha)(Consultant: Greencindia Consulting (P) Ltd.)-Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhandis for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 308331.42m<sup>3</sup>/annum. The mine lease area is located at Village-Shyampur, Tehsil-Haridwar, District-Haridwar, Uttarakhand with mine lease area of 219.44ha.The mine lease area of 219.44ha lies on Ganga River bed. The Latitudes and Longitudes of the mine lease area lies between 29°50'41.36" N to 29°53'38.99" N and 78°10'04.05" E to 78°10'41.36" E on Survey of India topo-sheet numbers 53 K/1, K/2, K/5, K/6. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9<sup>th</sup> Meeting held during 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The TOR was issued by MoEFCC vide letter No. J-11015/368/2012-IA. II (M), dated 15<sup>th</sup>October, 2014. The Proponent submitted the EIA/EMP Report to Ministry online for seeking environmental clearance.

Total mine lease area of 219.442hawhich is a forest land. The Ministry of Environment, Forest and Climate Change, vide letter No. 8-16/2000-FC(Pt.) dated 24<sup>th</sup> September, 2014 has granted Stage I FC approval for collection of Minor Minerals for a period of 10 years from 1380.03ha of reserve forest land located in river bed of River Ganga and its tributaries in Haridwar District of Uttarakhand. M/s Uttarakhand Forest Development Corporation has informed that Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 02.03.2015 has issued LOI for 8 locations viz. Pilli (131.31ha); Rawasan II (100.59ha); Rawasan I (Gandikhata) (99.79ha); Kotawali (74.67ha); Ganga Bishanpur (237.91ha); **Ganga Shyampur (219.442ha)**; Ganga Bhogpur (190.57ha) and Ganga Chidiyapur (325.74ha) for mining of minor minerals.

The Letter of Intent (LOI) for grant of mining lease for minor mineralSand, Bajri and Boulder over an area of 219.442 ha has been granted by the Director of Mines and Geology

Department, Govt. of Uttarakhand, vide letters 10.12.2012 and letter No. Khanna/Ashaypatra/V.Vi.Ni./Bhu.Kh.Ni.E./2014-15 dated 02.03.2015. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no. 2255/Mine Plan/U.Kh.Ni./Haridwar/2013-14, dated 09.03.2015.

Method of Mining is manual open cast method. 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. Proponent informed that 71.71 ha area will be used for excavation as per the recommendation of Central Soil & Water Conservation Research and Training Institute, Indian Council of Agricultural Research, Dehradun. The site elevation is 255 - 270 m AMSL. The Ground water depth is 6 m bgl in pre-monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 16.7 KLD including water demand for domestic purpose, dust suppression and greenbelt development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely 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. Mineral will be transported by road.

Project Proponent has made the Traffic Analysis survey and reported that 154 numbers of trucks will be deployed per day (16 tones capacity each). The total PCUs estimated is 924 PCUs per day. The level of service (LOS) will change from "A" to "C". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Project Proponent reported that the mine lease area lies at a distance of 5.5 km from the Raja Ji National Park in NE direction. NBWL clearance is mandatory for the project. The Project Proponent reported that the Standing Committee of NBWL in its meeting held on 04.11.2015 has recommended the NBWL clearance. Further, the Project Proponent reported that there are Schedule I species in the study area accordingly; the species specific conservation plan has been prepared which was approved by the Chief Wildlife Warden, Uttarakhand. The Project Proponent has earmarked Rs. 33.170 lakhs towards implementation of Conservation plan for Scheduled Species.

The baseline data was generated for the period during October 2014 to December 2014. The parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 15.05.2015 at Van Vishram Bhawan Shyampur, District Haridwar. The Public Hearing was presided over by Ms. Ravneet Cheema, Additional District Magistrate (Finance), District - Haridwar. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The capital cost of the Project is Rs. 19 Lakhs. The Proponent has earmarked Rs. 9.5 Lakhs towards EMP as a capital cost and Rs. 3.0 Lakhs per annum towards recurring cost. Proponent informed that Rs. 1.65 Lakh per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Ganga near Shyampur village of Haridwar District with proposed production capacity of 308331.42 m<sup>3</sup>/annum.**

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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. Emergencyhelpline number will be displayed at all levels; (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v) The number of trips of the trucks shall not exceed the estimated quantity of **154 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with 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; Washing of all transport vehicle should be done inside the mining lease; and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.47). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Ganga with proposed production capacity of 167829.15 m<sup>3</sup>/annum by M/s Uttarakhand Forest Development Corporation, Uttarakhand, located at Village-Chidyapur, Tehsil-Haridwar, District-Haridwar, Uttarakhand (MLA 325.74ha) (Consultant: Greencindia Consulting (P) Ltd.)-Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhand, is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 167829.15m<sup>3</sup>/annum. The mine lease area is located at village-Chidyapur, Tehsil-Haridwar, District-Haridwar, Uttarakhand with mine lease area of 325.74 ha. The mine lease area lies on Ganga River bed. The Latitudes and Longitudes of the mine lease area lies between 29°26'59.50"N to 29°50'00.33"N and 78°10'35.69"E to 78°12'24.21"E on Survey of India topo-sheet numbers 53 K/1, K/2, K/5, K/6. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9<sup>th</sup> Meeting held during 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The ToR was issued by MoEFCC vide letter No. J-11015/368/2012-IA. II (M), dated 15<sup>th</sup> October, 2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance.

Total mine lease area of 325.74ha which is a forest land. The Ministry of Environment, Forest and Climate Change, vide letter No. 8-16/2000-FC(Pt.) dated 24<sup>th</sup> September, 2014 has granted Stage I FC approval for collection of Minor Minerals for a period of 10 years from 1380.03ha of reserve forest land located in river bed of River Ganga and its tributaries in Haridwar District of Uttarakhand. M/s Uttarakhand Forest Development Corporation has informed that Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 02.03.2015 has issued LOI for 8 locations viz. Pilli (131.31ha); Rawasan II (100.59ha); Rawasan I (Gandikhata) (99.79ha); Kotawali (74.67ha); Ganga Bishanpur (237.91ha); Ganga Shyampur (219.442ha); Ganga Bhogpur (190.57ha) and **Ganga Chidiyapur (325.74ha)** for mining of minor minerals.

The Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri and Boulder over an area of 325.74 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letters dated 10.12.2012 and No. Khanna/Ashaypatra/V.Vi.Ni./Bhu.Kh.Ni.E./2014-15, dated 02.03.2015. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no. 2254/Mine Plan/U.Kh.Ni./Haridwar/2013-14, dated 09.03.2015.

Method of Mining is manual open cast method. 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. Proponent informed that 32.747ha area will be used for excavation as per the recommendation of Central Soil & Water Conservation Research and Training Institute, Indian Council of Agricultural Research, Dehradun. The site elevation is 245 - 260 m AMSL. The Ground water depth is 6 m bgl in pre-monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 21.3 KLD including water demand for domestic purpose, dust suppression and greenbelt development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely 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. Mineral will be transported by road.

Project Proponent has made the Traffic Analysis survey and reported that 84 numbers of trucks will be deployed per day (16 tones capacity each). The total PCUs estimated is 504 PCUs per day. The level of service (LOS) will changes from "A" to "C". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Project Proponent reported that the mine lease area lies at a distance of 11.75 km from the Raja Ji National Park in NE direction. Further, the Project Proponent reported that there are Schedule I species in the study area, accordingly, the species specific conservation plan has been prepared which was approved by the Chief Wildlife Warden, Uttarakhand. The Project Proponent has earmarked Rs. 28.270 lakhs towards implementation of Conservation plan for Scheduled Species.

The baseline data was generated for the period during October 2014 to December 2014. The parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 14.05.2015 at Van Vishram Bhawan Chidiyapur, District Haridwar. The Public Hearing was presided over by Ms. Ravneet Cheema, Additional District Magistrate (Finance), District - Haridwar. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective

implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The capital cost of the Project is Rs. 19 Lakhs. The Proponent has earmarked Rs. 37.77 Lakhs towards EMP as a capital cost and Rs. 3.0 Lakhs per annum towards recurring cost. Proponent informed that Rs. 1.65 Lakh per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Ganga at village Chidyapur in District Haridwar with proposed production capacity of 167829.15 m<sup>3</sup>/annum.**

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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. Emergencyhelpline number will be displayed at all levels; (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v) The number of trips of the trucks shall not exceed the estimated quantity of **84 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.48). River Bed Mining with proposed production capacity of 4,84,781.77 cum annually in Pili Nadi (a tributary of river Ganga) by M/s Uttarakhand Forest Development Corporation located at Village PiliNadi, District Haridwar, Uttarakhand (131.31ha) (consultant: Greencinida Consulting Private Ltd.)-Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhand, is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 4,84,781.77 cum annually in Pili Nadi (a tributary of river Ganga). The mine lease area is located at village- **PiliNadi**, District-Haridwar, Uttarakhand with mine lease area of 131.31ha. The mine lease area lies on Ganga River bed. The ToR was issued by MoEFCC vide letter No. J-11015/370/2012-IA. II (M), dated 15<sup>th</sup> October, 2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance.

Project Proponent reported that the mine lease area lies at a distance of 4.75 km from the Raja Ji National Park in NE direction. NBWL clearance is mandatory for the project. The Project Proponent reported that the Standing Committee of NBWL in its meeting held on 04.11.2015 **has not recommended the NBWL proposal in view of the observed extensive use of the area by the wildlife along the southern edge of the National Park.**

The Committee deliberated at length the information submitted by Project Proponent and **rejected the EC Proposal on the basis of the recommendations of the Standing Committee of NBWL.**

**(2.49). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Kotawali (a Tributary of River Ganga) with proposed production capacity of 75975.47 m<sup>3</sup>/annum by M/s Uttarakhand Forest Development Corporation, Uttarakhand, located at Village-Kotawali and Chidyapur, Tehsil-Haridwar, District-Haridwar, Uttarakhand (MLA:74.67ha) (Consultant: Greencindia Consulting (P) Ltd.)-Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhand, is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 75975.47 m<sup>3</sup>/annum. The mine lease area is located at village-Kotawali and Chidyapur, Tehsil-Haridwar, District-Haridwar, Uttarakhand with mine lease area of 74.67ha. The mine lease area of lies on Ganga River bed. The Latitudes and Longitudes of the mine lease area lies between 29°44'18.86"N to 29°45'29.06"N and 78°15'45.92"E to 78°17'03.96"E on Survey of India topo-sheet numbers 53 K/1, K/2, K/5, K/6. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9<sup>th</sup> Meeting held during 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The ToR was issued by MoEFCC vide letter No. J-

11015/374/2012-IA. II (M), dated 15<sup>th</sup> October, 2014. The Proponent submitted the EIA /EMP Report online to Ministry for seeking environmental clearance.

Total mine lease area of 74.67ha which is a forest land. The Ministry of Environment, Forest and Climate Change, vide letter No. 8-16/2000-FC(Pt.) dated 24<sup>th</sup> September, 2014 has granted Stage I FC approval for collection of Minor Minerals for a period of 10 years from 1380.03ha of reserve forest land located in river bed of River Ganga and its tributaries in Haridwar District of Uttarakhand. M/s Uttarakhand Forest Development Corporation has informed that Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 02.03.2015 has issued LOI for 8 locations viz. Pilli (131.31ha); Rawasan II (100.59ha); Rawasan I (Gandikhata) (99.79ha); **Kotawali (74.67ha)**; Ganga Bishanpur (237.91ha); Ganga Shyampur (219.442ha); Ganga Bhogpur (190.57ha) and Ganga Chidiyapur (325.74ha) for mining of minor minerals.

The Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri and Boulder over an area of 74.66 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letters dated 10.12.2012 and No. Khanna/Ashaypatra /V.Vi.Ni./Bhu.Kh.Ni.E./2014-15 dated 02.03.2015. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no. 2256/Mine Plan/U.Kh.Ni./Haridwar/2013-14, dated 09.03.2015.

Method of Mining is manual open cast method. 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. Proponent informed that 13.952ha area will be used for excavation as per the recommendation of Central Soil & Water Conservation Research and Training Institute, Indian Council of Agricultural Research, Dehradun. The site elevation is 245 - 260 m AMSL. The Ground water depth is 6 m bgl in pre-monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 15.8 KLD including water demand for domestic purpose, dust suppression and plantation development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely 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. Mineral will be transported by road.

Project Proponent has made the Traffic Analysis survey and reported that 38 number of trucks will be deployed per day (16 tones capacity each). The total PCUs estimated is 228 PCUs per day. The level of service (LOS) will change from "A" to "C". Project Proponent

reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

The baseline data was generated for the period during October 2014 to December 2014. The parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site. Further, the Project Proponent reported that there are Schedule I species in the study area, accordingly, the species specific conservation plan has been prepared which was approved by the Chief Wildlife Warden, Uttarakhand. The Project Proponent has earmarked Rs. 20.850 lakhs towards implementation of Conservation plan for Scheduled Species.

The Public Hearing for the proposed Project was conducted on 8.05.2015 at Van Vishram Bhawan Chidiyapur, District Haridwar. The Public Hearing for the proposed Project was conducted on 08.05.2015 at Van Vishram Bhawan Chidiyapur, District Haridwar. The Public Hearing was presided over by Ms. Ravneet Cheema, Additional District Magistrate (Finance), District - Haridwar. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The capital cost of the Project is Rs. 21.1 Lakhs. The Proponent has earmarked Rs. 35.5 Lakhs towards EMP as a capital cost and Rs. 2.0 Lakhs per annum towards recurring cost. Proponent informed that Rs. 1.65 Lakh per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Kotawali (a Tributary of River Ganga) with proposed production capacity of 75975.47 m<sup>3</sup>/annum.**

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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. Emergencyhelpline number will be displayed at all levels; (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good

occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v) The number of trips of the trucks shall not exceed the estimated quantity of **38 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.50). Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Ganga with proposed production capacity of 207963.22 m<sup>3</sup>/annum by M/s Uttarakhand Forest Development Corporation, Uttarakhand, located at Village-Bishanpur, Tehsil-Haridwar, District-Haridwar, Uttarakhand (MLA: 237.918ha)(Consultant: Greencindia Consulting (P) Ltd.)-Consideration of EC**

The proposal of M/s Uttarakhand Forest Development Corporation, Uttarakhand, is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 207963.22m<sup>3</sup>/annum. The mine lease area is located at village-Bishanpur, Tehsil-Haridwar, District-Haridwar, Uttarakhand with mine lease area of 237.918 ha. The mine lease area lies on Ganga River bed. The Latitudes and Longitudes of the mine lease area lies between 29°50'33.15"N to 29°51'39.90"N and 78°08'54.38" E to 78°10'27.80" E on Survey of India topo-sheet numbers 53 K/1, K/2, K/5, K/6. The Project is located in Seismic zone-IV.

The proposal of ToR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22<sup>nd</sup>-24<sup>th</sup> July, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEFCC vide letter No. J-11015/371/2012-IA. II (M), dated 15th October, 2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance.

Total mine lease area of 237.91ha which is a forest land. The Ministry of Environment, Forest and Climate Change, vide letter No. 8-16/2000-FC(Pt.) dated 24<sup>th</sup> September, 2014 has granted Stage I FC approval for collection of Minor Minerals for a

period of 10 years from 1380.03ha of reserve forest land located in river bed of River Ganga and its tributaries in Haridwar District of Uttarakhand. M/s Uttarakhand Forest Development Corporation has informed that Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 02.03.2015 has issued LOI for 8 locations viz. Pilli (131.31ha); Rawasan II (100.59ha); Rawasan I (Gandikhata) (99.79ha); Kotawali (74.67ha); **Ganga Bishanpur (237.91ha)**; Ganga Shyampur (219.442ha); Ganga Bhogpur (190.57ha) and Ganga Chidiyapur (325.74ha) for mining of minor minerals.

The Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri and Boulder over an area of 237.918 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letters dated 10.12.2012 and No. Khanna/ Ashaypatra/ V.Vi.Ni./Bhu.Kh.Ni.E./2014-15, dated 02.03.2015. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no. 2253/Mine Plan/U.Kh.Ni./Haridwar, dated 09.03.2015.

Method of Mining is manual open cast method. 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. Proponent informed that 51.103ha area will be used for excavation as per the recommendation of Central Soil & Water Conservation Research and Training Institute, Indian Council of Agricultural Research, Dehradun. The site elevation is 257 - 262 m AMSL. The Ground water depth is 6 m bgl in pre-monsoon season and 3 m bgl in post-monsoon season. The total water requirement for the project from nearby villages is 21.60 KLD including water demand for domestic purpose, dust suppression and greenbelt development, water requirement would be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks. Mining will be done only during day time and completely stopped in monsoon season. Total working day will be 225 days annually. No mining will be done in the zone of 100m on either side of the structure/bridge. Project Proponent reported that there will be construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure. Mineral will be transported by road.

Project Proponent has made the Traffic Analysis survey and reported that 104 numbers of trucks will be deployed per day (16 tones capacity each). The total PCUs estimated is 624 PCUs per day. The level of service (LOS) will not change from "B". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site.

Project Proponent reported that the mine lease area lies at a distance of 9.5 km from the Raja Ji National Park in NE direction. NBWL clearance is mandatory for the project. The Project Proponent reported that the Standing Committee of NBWL in its meeting held on



04.11.2015 has recommended the NBWL clearance. Further, the Project Proponent reported that there are Schedule I species in the study area, accordingly, the species specific conservation plan has been prepared which was approved by the Chief Wildlife Warden, Uttarakhand. The Project Proponent has earmarked Rs. 35.980 lakhs towards implementation of Conservation plan for Scheduled Species.

The baseline data was generated for the period during October 2014 to December 2014. The parameters for water and air quality were within permissible limits. Project Proponent reported that no R&R is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 15.05.2015 at Van Chowki, Bhogpur district Hardwar. The Public Hearing was presided over by Ms. Ravneet Cheema, Additional District Magistrate (Finance), District - Haridwar. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The capital cost of the Project is Rs. 19 Lakhs. The Proponent has earmarked Rs. 45.48 Lakhs towards EMP as a capital cost and Rs. 3.0 Lakhs per annum towards recurring cost. Proponent informed that Rs. 1.65 Lakh per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended** the Proposal for Environmental Clearance for **Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Ganga with proposed production capacity of 207963.22 m<sup>3</sup>/annum.**

The Committee **recommended additional specific conditions** viz. (i) 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; (ii) 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. Emergencyhelpline number will be displayed at all levels; (iii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iv) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (v)

The number of trips of the trucks shall not exceed the estimated quantity of **104 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages; (vi) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vii) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; Washing of all transport vehicle should be done inside the mining lease; and (ix) Permanent pillars has to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

**(2.51). 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) (3789.0ha) (Consultant: EQMS INDIA PVT. LTD. INDIA)-Re-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 proposal of EC was earlier considered by the Expert Appraisal Committee in its Meeting held during May 27-29, 2015 wherein, the Committee deferred the proposal and sought the information viz. (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.

The Project Proponent vide letter dated 28.07.2015 has submitted the requisite information and accordingly the proposal is considered in the present meeting. Following of the information submitted by the Project Proponent:-

- (i) TOR compliance re-submitted by the Project Proponent.
- (ii) Project Proponent has made the Traffic Analysis survey and reported that 240 numbers of trucks will be deployed per day (20 tones capacity each). The total PCUs estimated is 3778 PCUs per day for SH 64 and 6766 PCUs per day for NH 65 road. The level of service (LOS) will change from "A" to "B" at SH 64 and from "B" to "C" at NH 65. The Committee is of the view that the number of trips of the trucks shall not exceed the estimated quantity of 240 trucks trips per day.
- (iii) Project Proponent has conducted the replenishment study of Sand and using various method and reported that the total annual sediment load in the range of 0.42 – 1.01 Million tonne per Annam. The Committee noted that the replenishment rate is less than the excavation of mineral accordingly; the committee is of the view that Project Proponent needs to revise the production capacity based on the replenishment study.
- (iv) Cumulative impact of other mines located in the vicinity of the lease area are submitted by Project Proponent.
- (v) Revised action plan on the issues raised during PH are submitted.
- (vi) Rajasthan State Pollution Control Board vide letter dated 17.07.2015 has mentioned that the site is not located in the Critically Polluted Areas of Pali (viz. Industrial area, Mandia Road, Punayata Road and Sumerpur Road, pali) Certificate from the SPCB/CPCB that the mine is located in critically polluted area.

**The Committee deliberated the issues and is of the view that the sand mining projects of Rajasthan are not classical River Sand Mining Project as there is no perennial or monsoon Rivers. So the issues like replenishment, distance from the River banks etc. do not have much relevance. These will, perhaps, have to be treated like any other mineral reserves which will create permanent the topography and change the drainage system.**

**The Committee is, therefore, deferring these Sand Mining Projects of Rajasthan to deliberate on how should these Projects be dealt with and what specific conditions could be imposed in respect of these projects. The new conditions, though may be deviation from existing conditions of River Sand Mining, would take care of environmental issues of Sand mining in these areas. After which these projects will be considered in the Committee without calling the Project Proponent.**

**(2.52). Mining of Mineral Sand/Bajri (Minor Mineral) with proposed production capacity of 5.60 Lakh TPA (ROM) by M/s Abhimanyu Choudhary, located near 14 Revenue village(s) of Tehsil-Sahada, District-Bhilwara, Rajasthan (287.58ha) (Consultant: EQMS India Pvt. Ltd, Delhi)-Re-consideration of EC.**

The proposal of Shri Abhimanyu Choudhary is for mining of Sand/Bajri (Minor Mineral) at 14 Revenue village(s) of Tehsil-Sahada, District-Bhilwara, Rajasthan with proposed production capacity of 5.60 Lakh TPA (ROM) of Bajri in the mine lease area of 287.58ha. The mine lease area lies in Chandrabhaga River bed. The Latitudes and Longitudes of the mine lease area lies between 25°11'00.00"N - 25°03'00.00"N and 74°04'00.00"E - 74°14'00.00"E on Survey of India toposheet number 45K/4.

The proposal of EC was earlier considered by the Expert Appraisal Committee in its Meeting held during April 29-30, 2015 wherein, the Committee deferred the proposal and sought the information viz. (i) TOR compliance of S.no. 14 w.r.t. impact of mining activity on wildlife is not addressed properly the PP needs to resubmit the details; (ii) TOR compliance of S.no. 21 w.r.t. air quality modeling is not addressed properly, the PP needs to resubmit the details; (iii) PP mentioned the present pit area is zero, however the PP reported that they had mined out the bajri of 27,609 MT after December 2013; PP needs to revise the documents; (iv) Revised Action Plan on the Public Hearing issues needs to be submitted; and (v) PP has not mentioned the detection limit of the parameters analysed for the baseline monitoring data. PP needs to resubmit the same.

The Project Proponent vide letter dated 28.07.2015 has submitted the request information and accordingly the proposal is considered in the present meeting. The Committee deliberated at length the information submitted by Project Proponent.

**The Committee deliberated the issues and is of the view that the sand mining projects of Rajasthan are not classical River Sand Mining Project as there is no perennial or monsoon Rivers. So the issues like replenishment, distance from the River banks etc. do not have much relevance. These will, perhaps, have to be treated like any other mineral reserves which will create permanent the topography and change the drainage system.**

**The Committee is, therefore, deferring these Sand Mining Projects of Rajasthan to deliberate on how should these Projects be dealt with and what specific conditions could be imposed in respect of these projects. The new conditions, though may be deviation from existing conditions of River Sand Mining, would take care of environmental issues of Sand mining in these areas. After which these projects will be considered in the Committee without calling the Project Proponent.**

#### **CONSIDERATION OF TOR**

**(2.53). Enhancement of production capacity of Majhgawan Limestone Mine of M/s Jaiprakash Associates Ltd. located at Villages Majhgawan, Sardar, Patna, Kariajhar, Piprav, Malgaon and Dhorhara, Rampur Naikin Tehsil, Sidhi District, Madhya Pradesh (362.680 Ha)-Consideration TOR**

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

**(2.54). Chobe ki Guwari Sand Stone Mining Project of M/s Shri Bhorl Lal Jain is situated near village Chobe ki Guwari, Tehsil Sapotra, District Karoli, State Rajasthan 62.76 ha. (M.L. No 26R-01/2001)- Consideration TOR**

The Committee observed that the lease is in the name of M/s Shri Bhorl Lal Jain who has expired and the lease has not been transferred from earlier lessee to the project proponent. In view of this the Committee is of the opinion that first the lease to be transferred to the project proponent and thereafter the project will be considered for the EC and accordingly **deferred** the proposal.

**(2.55). Mining of limestone with production capacity of 0.30 million TPA (ROM) by Lessee Shri Riaz Ahmad Panjra, located at village-Sulnar Saturnarg Khrew Tehsil-Pampore, District-Pulwama, Jammu and Kashmir (MLA: 29.4151ha) (Consultant M/s ACE Engineers and Consultant )-Consideration of TOR**

The Proposal of Lessee Shri Riaz Ahmad Panjra is for Mining of limestone with production capacity of 0.30 million TPA (ROM). The mine is located at village-Sulnar Saturnarg Khrew Tehsil-Pampore, District-Pulwama, Jammu and Kashmir in MLA of 29.4151ha. The Geographical Coordination for the mine site are as under:-

Point	Latitudes	Longitudes
A	34 <sup>0</sup> 2'38.59"	75 <sup>0</sup> 1'48.47"
B	34 <sup>0</sup> 2'34.51"	75 <sup>0</sup> 2'11.63"
C	34 <sup>0</sup> 2'41.60"	75 <sup>0</sup> 2'29.89"
D	34 <sup>0</sup> 2'25.65"	75 <sup>0</sup> 2'22.50"
E	34 <sup>0</sup> 2'16.95"	75 <sup>0</sup> 2'1.69"
F	34 <sup>0</sup> 2'29.25"	75 <sup>0</sup> 2'10.48"
G	34 <sup>0</sup> 2'29.53"	75 <sup>0</sup> 1'51.76"

Project Proponent informed that combined proposal for two components viz (i) Capacity Expansion of existing 200 TPD Cement Plant to 2500 TPD Cement Plant (Phase I - 300 TPD expansion and Phase II - 2000 TPD expansion for Cemtac Cements Pvt. Ltd) and (ii) Mining of Limestone in 29.4151 ha of land at village Khrew Tehsil Pampore District Pulwama J&K State) was submitted to the Ministry for Environmental Clearance. The lessee of the mine is Mr. Riaz Ahmad Panjra who is also the Managing Director of Cement Plant under the name and Style of Cemtac Cements Pvt. Ltd. While considering the Environmental Clearance for Expansion of Cement Plant by the Expert Appraisal Committee for Environmental Appraisal of Industry -1 project in the 47<sup>th</sup> Meeting held on 3<sup>rd</sup> - 4<sup>th</sup> September 2015, it was recorded in the minutes of meeting, that the lessee should apply for Environmental Clearance for the Mining Project separately. It was also agreed by the said committee that the public hearing already conducted on 02.05.2013 for both Mine and Cement Project should be permissible. Accordingly the Project Proponent has submitted the

TOR proposal for Mining of Limestone as major mineral for the captive use in the cement plant with production capacity of 0.30 Million Tons per annum. It is Category 'A' Project as the mine site is located 4.93 kms from the Dachigam National Park.

Total mine lease area is 29.4151ha which is Barren Hilly and waste Land. No Forest land is involved in the lease area. Govt. of Jammu and Kashmir has issued the mining lease in favour of Mr. Riaz Ahmad Panjra, vide order No. 104-Ind of 2002, dated 28-03-2002 issued vide Endorsement No. 103-MNG-97 dated 28-03-2002 for the period of 20 years falls under Khasra No. 3450-Min, 3498-Min and 3499-Min. The original Mining Plan was approved by the Indian Bureau of Mines, Dehradun, vide No. 614 (02/MS-B-135/2000-DDN, dated: 17.05.2000 followed by the Mine Closure Plan approved by Indian Bureau of Mines Dehradun vide No. 614 (02/159/7/108-2, dated: 07.06.2007. Scheme of Mining Plan is approved by IBM, Dehradun vide No: 614 (02/MS-B-159/7-DDN/108/IBM dated: 12.04.2013.

Mining will be done by semi Mechanized open cast method. Excavation will be carried out up to maximum depth of 50 mtrs from the surface of limestone deposit and 5M above the water level of the river channel whichever is reached earlier. Total water requirement for the proposed project will be 15 KLD which will be sourced via bore well at the project site. The mining site is at a distance of 4.93 kms from Dachigam National Park. NBWL Clearance is mandatory for this project. Besides, there is no other National Park, Wide Life Sanctuary, Bio-Sphere Reserve, Protected Forests, Wild Life Corridors, Tiger / Elephant reserves etc. within 10 km radius of the Mine site. Total cost of the project is Rs. 200 Crores including Government Royalty, Capital cost of Environmental Protection measures is Rs.100 Lakhs per annum, and recurring cost is Rs.20.00 Lakhs per annum. There is No Court Case / litigation against the project.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the **Committee prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**. Further, the Project Proponent along with EC proposal should also furnish the followings: (i) Replenishment and drainage study from a reputed Institution; (ii) Impact of mining activity on adjacent agricultural land with particular reference to run off, soil erosion and loss of top soil due to change in topography; (iii) Details of Transportation of mined out materials as per the Indian Road Congress for both the ways (loaded as well as unloaded trucks) load and its impact on Environment; (iv) Impact of all existing mining on the present land use in the study area; and (v) Details of excavation schedule & sequential mining plan.

**(2.56). Katka Balu Ghat Mining Project at River Garga with proposed production capacity of 3,60,000 TPA (ROM) by M/s Shri Harnaik Singh located at Village- Katka, Tehsil- Chas, District- Bokaro, Jharkhand (MLA 7.61ha)-Consideration of TOR**

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

**(2.57). Sand mining project of M/s Sandeep Chandak located at Mouja-. Edramhatu, Somadih & Dibadih, Anchal-Sonahatu, District-Ranchi, Jharkhand-Consideration of TOR**

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

**(2.58). Katka Balu Ghat Mining Project of M/s Shri Harnaik Singh located at Village- Katka, Tehsil : Chas, District: Bokaro, Jharkhand- Consideration of TOR**

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

**(2.59). Khokha Balu Ghat mining project of M/s Ganga Kaveri Construction Pvt. Ltd located at Mauja- Khokha, Anchal- Kharoundhi, District-Garhwa, Jharkhand- Consideration of TOR**

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

**(2.60). Naudiha Balu Ghat Mining Project at River Gowai with proposed production capacity of 2,25,000 TPA (ROM) by M/s Shri Om Kalan located at Village- Naudiha, Anchal- Chandan Kiyari District- Bokaro, Jharkhand (MLA 8.74ha)- Consideration of TOR**

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

**(2.61). Nuniyadih & Kusum Kiyari Balu Ghat Project at River Gowai with proposed production capacity of 5,40,000 TPA (ROM) by M/s Shri Om Kalani located at Village- Nuniyadih, Anchal- Chandan Kiyari, Tehsil/District- Bokaro, Jharkhand (MLA 16.45ha)- Consideration of TOR**

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

**(2.62). Basgarhi Sand mining project of M/s Smt. Renu Pandey located at Village: Basgarhi Tehsil: Chas, District : Bokaro, Jharkhand- Consideration of TOR**

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

**(2.63). Marble Mining Project by Lessee Smt. Manju Sharma, located at Near Village: Palpur, Tehsil- Rajgarh, District- Alwar, Rajasthan (MLA: 4.0 ha.) (Consultant: M/s Overseas Min-Tech Consultants) -Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of

TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.64). Marble Mining Project by Lessee Shri Matadeen Sharma, located at Village: Kho, Tehsil- Rajgarh, District- Alwar, Rajasthan (MLA: 4ha)(Consultant: M/s Overseas Min-Tech Consultants) -Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining



project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.65). Marble Mining Project by M/s Rama Marble Udhyog, located at Village: Gordhanpura, Tehsil- Rajgarh, District- Alwar, Rajasthan (MLA:1.9356ha) (Consultant: M/s Overseas Min-Tech Consultants) -Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.66). Marble Mining Project of M/s Shri Ramphool Meena located at Village: Palpur, Tehsil- Rajgarh, District- Alwar (Rajasthan)(MLA: 0.71ha) (Consultant: M/s Overseas Min-Tech Consultants) -Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

### **AMENDMENT OF ENVIRONMENTAL CLEARANCE**

**(2.67). White Clay Mining Project with production capacity of 1,00,000 TPA by M/s Tahla Ram & Sons, located at village- Mudh & Kotri, Tehsil- Kolayat, District –Bikaner, Rajasthan M.L. No. 01/95)- Amendments in EC No. J-11015/271/2005-IA.II.(M), dated 09.01.2007 w.r.t. reduction of mine lease area from "246.85 ha to 244.74 ha".**

The proposal of M/s Tahla Ram & Sons is for amendments in EC No. J-11015/271/2005-IA.II.(M) dated 09.01.2007 w.r.t. reduction of mine lease area from "246.85 ha to 244.74 ha". The mine is located at village-Mudh & Kotri, Tehsil- Kolayat, District–Bikaner, Rajasthan. The lease area lies between Latitudes of:-N 27° 50' to N 27° 55' Longitude of :-E 72° 55' to E 72° 50'" respectively.

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter no. J-11015/271/2005-IA.II (M), dated 09.01.2007 for mining of white clay with production capacity of 1,00,000 TPA in mine lease area of 246.85 ha.

Project Proponent has reported that due to difference in field and GIS co-ordinates of FRP and calculation error, the Department of Mines and Geology, Bikaner had carried out the DGPS Survey and it was found that the actual area is 247.04 ha instead of 246.85 ha. Accordingly, the lessee M/s Tahla Ram & Sons applied on 25/03/2014 to the State Govt. for the part surrender of 2.30ha area as per Govt. order of Mining Lease area surrender owing to calculation and closing error by the Department of Mines & Geology and minor surrender of the area so as to maintain symmetry of the lease area and the same has been indicated in the order dated 05.09.2014 of Department of Mines & Geology. And it was accepted with effect from 25/03/2014, vide order No. SME/BKN/Pra./M.L.-1/95/719 dated 5/09/2014 of SME, Department of Mines & Geology leaving 244.74 ha as retained area. The Mine Closure Plan for the surrender area 2.30 ha has been approved vide letter no- SME/BKN.CC-III/2014/9367, dated 12/05/2014. Rider agreement dated 24.06.2015 was executed for validity of Mining Lease upto 31.03.2020. Project Proponent mentioned that with this marginal reduction in area, no noticeable change in land use is anticipated and the details of land use are as below:-

Sl. No.	Type of land use	As per EC dated 09.01.2007 in ha)	Revised breakup (in ha)
1.	Area proposed for Mining	48.01	48.01
2.	Infrastructure	0.15	0.15
3.	Roads	0.645	0.645
4.	Green belt	18.324	18.324
5.	Barren land	179.721	177.421
	Total	246.85	244.74

Project Proponent has reported that Mining Scheme with Progressive mine Closure Plan for the reduced area of 244.74ha was approved by Government of Rajasthan, SME Bikaner, vide letter No. SME/BKN/CC-III/MP -1/95 /170, dated 06.01.2016. As per the latest Mining Plan, Mineable reserves worked to 10376524 Tones and life of mine = 10376524 / 1,00,000 = 103 years. Project Proponent informed that they are regularly submitting six monthly compliance report of EC conditions to the Regional Office of the Ministry, Lucknow. The mine has Consent to Operate from Rajasthan State Pollution Control Board, Jaipur with validity upto 31.01.2016. The Project Proponent has reported that there is no litigation/ court case pending against the project.

The Committee deliberated the information submitted by PP and **recommended the proposal for Amendments in EC No. J-11015/271/2005-IA. II.(M) dated 09.01.2007 w.r.t. reduction of mine lease area from "246.85 ha to 244.74 ha"**.

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board;(ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good

occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.68). Ball Clay Mining Project with production capacity of 40,000 TPA by M/s Anil Minerals, located at village- Deh, Tehsil- Kolayat, District – Bikaner, Rajasthan M.L. No. 05/92)- Amendments in EC No. J-11015/265/2005-IA. II (M) dated 14.03.2006 w.r.t. reduction of mine lease area from "50.68 ha to 49.8867ha".**

The proposal of M/s Anil Minerals is for amendments in EC No. J-11015/265/2005-IA.II(M) dated 14.03.2006 w.r.t. reduction of mine lease area from "50.68 ha to 49.8867ha". The mine is located at village- Deh, Tehsil- Kolayat, District – Bikaner, Rajasthan. The lease area lies between Latitudes: 25° 52' 35. 55" and Longitudes of 72° 53' 55.05" respectively.

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter no. J-11015/265/2005-IA.II (M), dated 14.03.2006 for mining of ball clay with production capacity of 40,000 TPA in mine lease area of 50.68 ha.

Project Proponent has reported that due to overlapping of a part of area with the adjacent mining leases, the Department of Mines and Geology, Bikaner had carried out the DGPS Survey and it was found that the actual area for the mine is 49.8867ha. Therefore, the lessee has reapplied for the renewal of M.L. for new area i.e. 49.8867ha on 11.11.2013 and the same has been approved by Department of Mines & Geology, Govt. of Rajasthan, vide letter dated 23.06.2015. Rider agreement dated 21.05.2015 was executed for validity of Mining Lease upto 14.03.2023. Project Proponent mentioned that with this marginal reduction in area, no noticeable change in land use is anticipated and the details of land use are as below:-

Sl. No.	Type of land use	As per EC dated 14.03.2006 ( in ha)	Revised breakup ( in ha)
1.	Area proposed for Mining	8.2	8.2
2.	Area kept for Mineral storage	0.6	0.6

3.	Infrastructure	0.3	0.3
4.	Roads	0.1	0.1
5.	Green belt	2.5	2.5
6.	Barren land	38.98	38.1867
	Total	50.68	49.8867

Project Proponent has reported that mining plan with Progressive mine closure plan for the reduced area of 49.8867 was approved by Government of Rajasthan, SME Bikaner, vide letter No. SME/BKN/CC/ 2013-14/1054, dated 24.09.2014. As per the latest Mining Plan, Mineable reserves worked to 1782986 Tones and life of mine =  $1782986 / 40,000 = 44$  years. Project Proponent informed that they are regularly submitting six monthly compliance report of EC conditions to the Regional Office of the Ministry, Lucknow. The mine has Consent to Operate from Rajasthan State Pollution Control Board, Jaipur with validity upto 31.05.2017. The Project Proponent has reported that there is no litigation/ court case pending against the project.

The Committee deliberated the information submitted by PP and **recommended the proposal for Amendments in EC No. J-11015/265/2005-IA. II.(M) dated 14.03.2006 w.r.t. reduction of mine lease area from "50.68 ha to 49.8867ha"**.

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board;(ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.69). Fire Clay mining project with production capacity of 25,000 TPA by M/s Shri Bhagwan Dass Chandna, located at Village Kotri, Tehsil Kolayat & District Bikaner, Rajasthan (MLA 32.1786ha)- Amendments in EC No. J-11015/284/2005-IA. II (M) dated 09.10.2006 w.r.t. reduction of mine lease area from "37.21ha to 32.1786ha"**.

The proposal of M/s Shri Bhagwan Dass Chandna is for amendments in EC No. J-11015/284/2005-IA.II.(M) dated 09.10.2006 w.r.t. reduction of mine lease area from "37.21ha to 32.1786ha". The mine is located at village- Kotri, Tehsil Kolayat & District Bikaner, Rajasthan. The lease area lies between Latitudes of 27° 52' 25.7" to 27° 52' 41.24" Longitude of 72° 56' 10.8" to 72° 57' 35.2".

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter No. J-11015/284/2005-IA.II.(M) dated 09.10.2006 for mining of fire clay with production capacity of 25,000 TPA in mine lease area of 37.21 ha.

Project Proponent reported that the mining lease area of 37.21 ha contained some area which was overlapping with other adjacent mining leases and vice versa. Department of Mines and Geology, Government of Rajasthan has concluded that the non-overlapping area of the mine is finally 32.1786 ha. Accordingly, the lessee had re-applied for the 2<sup>nd</sup> renewal of the mining lease on reduced lease area i.e. 32.1786 ha. Project Proponent mentioned that with this marginal reduction in area, no noticeable change in land use is anticipated and the details of land use are as below:-

Sl. No.	Type of land use	As per EC dated 09.10.2006 ( in ha)	Revised breakup ( in ha)
1.	Area proposed for Mining	6.10	6.10
2.	OB dumps	Nil	Nil
3.	Area kept for Mineral storage	0.50	0.50
4.	Infrastructure	0.21	0.21
5.	Roads	1.135	1.135
6.	Green belt	1.59	1.59
7.	Barren land	27.675	22.643
	Total	37.21	32.1786

Project Proponent has reported that Mining Plan with Progressive Mine closure plan for reduced area 32.1786 ha was approved vide letter No. SME/BKN/CC/ML51/09/2014-15/257 dated 22.01.2015. As per this approved Mining Plan, the reserves of Fire Clay / Ball Clay are estimated as  $(2578045 + 655160) \times 0.8 = 2586564$  Tones. Estimated life of Mine =  $2586564 / 25000 = 103.46$  years. The Project Proponent has reported that there is no litigation/ court case pending against the project.

The Committee deliberated the information submitted by PP and **recommended the proposal for Amendments in EC No. J-11015/284/2005-IA.II(M) dated 09.10.2006 w.r.t. reduction of mine lease area from "37.21ha to 32.1786ha"**.

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board;(ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.70). Ball Clay, Fire Clay & Yellow Ochre Mining Project with production capacity of 60,000 TPA by M/s Vijay Kumar Sharma, located in Village Nal Chhoti, Tehsil & District Bikaner, Rajasthan-Amendments in EC No. J-11015/253/2005-IA. II (M) dated 21.02.2007 w.r.t. reduction of mine lease area from "83.32ha to 42.55ha".**

The proposal of M/s Vijay Kumar Sharma's for amendments in EC No. J-11015/253/2005-IA.II.(M) dated 21.02.2007 w.r.t. reduction of mine lease area from "83.32ha to 42.55ha". The mine is located at Village Nal Chhoti, Tehsil & District Bikaner, Rajasthan. The lease area lies between Latitudes of 28° 03'9.20" to 28° 02' 43.4" Longitude of 73° 00'3.55" to 73° 01' 2.12".

The Committee noted that the Environmental Clearance was granted by the Ministry vide letter No. J-11015/253/2005-IA.II.(M) dated 21.02.2007 for mining of Ball Clay, Fire Clay and Yellow Ochre with production capacity of 60,000 TPA in mine lease area of 83.32ha. The life of mine mentioned in EC is 7 years. Project Proponent has informed that actually life of mine of 7 years was as per EIA/EMP report submitted at the time of EC of course taking a production of 60,000 TPA. But actual production obtained after issuance of EC is much lesser than 60,000 TPA i.e. PP had mined out only 203676.50 Tones after issuance of EC i.e. less than 20,000 TPA was achieved. *In view of the lesser production achieved in this mine, the life of mines has increased thus Committee deliberated the issues and accept the request of the PP for amendments in EC for the enhancement of life of mine.*

Project Proponent has mentioned that the proposal for reduction of mine lease area from "83.32ha to 42.55ha" is due to non-mineralized zone and falling under a part of catchment area of a local pond. PP informed that with this surrender, there has been no

change in the land use pattern of the area as EC to envisage the land use pattern with 56.86 ha area kept for other purposes which is already more than the surrendered area of 40.77ha. The mining area will be 24.70ha which is also mentioned in the EC letter. The land proposed for plantation will remain unchanged. Govt. of Rajasthan, vide letter dated 13.07.2009 has reduced the mine lease area 83.32ha to 42.55ha. The mine leases valid upto 08.10.2034. Lease Rider agreement was executed on 23.06.2015.

Mining Scheme along with Progressive Mine Closure plan was approved by SME on 17.11.2015. As per the latest Mining Scheme the actual life of mine is now extended to about 210 years based on revised reserved assessment in the retained area of 42.55ha. Project Proponent informed that they are regularly submitting six monthly compliance report of EC conditions to the Regional Office of the Ministry, Lucknow. The mine has Consent to Operate from Rajasthan State Pollution Control Board, Jaipur with validity upto 31.05.2016. The Project Proponent has reported that there is no litigation/ court case pending against the project.

The Committee deliberated the information submitted by PP and **recommended the proposal for Amendments in EC No. J-11015/253/2005-IA.II.(M) dated 21.02.2007 w.r.t. reduction of mine lease area from "83.32ha to 42.55ha.**

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board;(ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.71). Expansion of Indo Ka Bala Ball Clay and Fire Clay Mining Project of M/s Bikaner Clays & Chemicals, located in Village Indo Ka Bala, Tehsil Kolayat, District Bikaner, Rajasthan- Amendments in EC No. J-11015/263/2005-IA. II (M) dated 28.07.2006 w.r.t. reduction of mine lease area from "126.62ha to 31.8494ha".**



The proposal of M/s Bikaner Clays & Chemicals is for amendments in EC No. J-11015/263/2005-IA.II(M) dated 28.07.2006 w.r.t. reduction of mine lease area from "126.62ha to 31.8494ha". The mine is located at Village Indo Ka Bala, Tehsil Kolayat, District Bikaner, Rajasthan.

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter no. J-11015/263/2005-IA.II (M), dated 28.07.2006 for mining of ball clay with production capacity of 40,000 TPA in mine lease area of 126.62ha.

The Committee observed that **it was case of violation as the Project Proponent had enhanced production capacity of mine without obtaining EC from the Ministry.** Accordingly, the Ministry vide letter dated 28.07.2006 has requested Department of Environment, Government of Rajasthan to take action against the unit by invoking powers under section 19 of the Environment (Protection) Act, 1986 for the period for which the unit had operated without environmental clearance under intimation to this Ministry. However, the Ministry has not received any action on violation from the State Government.

The Committee deliberated the information submitted by PP and **deferred** the proposal and suggested that the proposal will be considered after action on violation.

### **Day 3: 22<sup>nd</sup> JANUARY, 2016 (FRIDAY)**

#### **CONSIDERATION OF ENVIRONMENTAL CLEARANCE**

**(2.72). Enhancement in production capacity of Dhandra Gypsums Mine from 35,000 TPA to 1,00,000 TPA of Gypsum by M/s FCI Aravali Gypsum and Minerals India Ltd., located at village Dhandra, Tahsil Anopgarh, District Sriangagar, Rajasthan (132.37ha) (Consultant: Consulting Engineers Group Ltd, Jaipur)-EC**

The proposal of M/s FCI Aravali Gypsum and Minerals India Limited (FAGMIL), is for expansion in production capacity of Gypsum from 35,000 TPA to 1,00,000 TPA from their Dhandra Gypsum Mine. The mine is located near village: Dhaandra, Tehsil: Shri Vijay Nagar, District: Shri Ganganagar, Rajasthan. The Project site is covered under Survey of India Toposheet no: 44 G/8 and the area falls between 29002'45.03" - 29002'59.00" N Latitudes & 730 19'19.07" - 730 20'27.03" E Longitudes. The elevation of the ML area varies from 149-163 m AMSL.

The Committee noted that the proposal of EC was earlier considered by the EAC in its meeting held during September 25-26, 2014 wherein the EAC has sought the information for further consideration viz. (i) There are two Schedule-I species namely Peafowl and Gazelle and Conservation Plan on Biodiversity with budgetary provision has not been approved by the Chief Wild Life Warden of the State Government; (ii) Questionnaire has not been duly filled; (iii) Detailed Action Plan with budgetary allocation on issues raised during the Public Hearing has not been submitted;(v) EC Compliance from the Regional

Office of MoEF&CC has not been submitted; (vi) the EIA/EMP Report has not given page numbers properly, Annexures etc.; and (vii) one month base line data need to be collected as PP has submitted data for October-November 2012 only.

The Committee also noted that the Ministry has earlier accorded the Environmental Clearance for existing integrated Cement Project vide letter no. J-11015/145/ 2005 – IA-II (M) dated 26.05.2006 for production of 35,000 TPA of Gypsum. The certified Compliance Report of the conditions stipulated in the earlier EC was not submitted by the Regional Office of MoEFCC, Lucknow. The Ministry vide letter dated 20.10.2014 has requested Regional Office to submit the compliance report and also to the Project Proponent for submission of above mentioned information. However, the Committee noted that the compliance report has not yet received by the Regional Office of MoEFCC.

The Committee is of the view that since this is a proposal of enhancement of production capacity therefore, EC Compliance from the Regional Office of MoEFCC based on field monitoring is required. **The Committee deliberated the issues and deferred the proposal** and is of the view that the project may be considered once the certified compliance report of Ministries Regional Office received.

**(2.73). Mining of Quartzite and Silica Sand with Production Capacity of 4.6 Lakhs TPA (ROM) of Quartzite and Silica Sand by Shri Vijay Jangid S/o Shri Nathuram Jangid, located near Village: Sihoriyon Ki Dhani, Tehsil: Khetri & Buhana, District: Jhunjhunu, Rajasthan (MLA: 11.5076ha)(Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of EC**

The proposal of lessee Shri Vijay Jangid S/o Shri Nathuram Jangid is for Mining of Quartzite and Silica Sand with proposed production capacity of 4.6 Lakhs TPA (ROM) in mine lease Area of 11.5076 ha (ML. No: 122/12). The lease area is located at Village: Ishakpura, Sihoriyon Ki Dhani & Rojra, Tehsil: Khetri& Buhana, District: Jhunjhunu, Rajasthan. The Latitudes and Longitudes of the mine lease area are 28°04'36.2" N & 28°04'48.3" N and 75°53'47.1" E & 75°53'29.8" E respectively on the Survey of India Toposheet no. 44P/16. The Project is located in Seismic zone-II. It was a Category 'A' project as the 'General Condition' is applicable for this mining project due to Interstate boundary of Rajasthan & Haryana (~4.2 km in ENE direction) lies within 10 km from proposed mine site. Now as per the recent amendments in the EIA Notification, 2006 dated 15.01.2016, this project is now category 'B'. The EAC is of the view that since the proposal of EC was submitted to the Ministry after conduction of the Public Hearing and placed in the agenda before the notification, accordingly considered the project in this meeting.

The Proposal was considered by the Expert Appraisal Committee in its meeting held during 29<sup>th</sup>-30<sup>th</sup> April, 2014 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. The ToR was issued by MoEF&CC vide letter no. J-11015/88/2014-IA.II (M), dated 11<sup>th</sup> June, 2014. The project proponent has submitted EIA/EMP Report online to the Ministry for seeking Environmental Clearance after conducting Public Hearing.

This is a proposed Quartzite and Silica Sand Mining project with Production Capacity of 4.6 Lakhs TPA (ROM). Letter of Intent (LOI) was issued by Government of Rajasthan, vide Letter no P.2 (29) Mine/Group-2/2013, dated 21<sup>st</sup> January, 2014. Modified Mining Plan and Progressive Mine Closure Plan was approved by Superintending Mining Engineer, Department of Mines & Geology, Khanij Bhawan, Jaipur vide letter no SME/JP/MP/40/2015/63, dated 09<sup>th</sup> April, 2015. Mining will be done by Semi-mechanized Open Cast Method involving drilling, blasting, loading, by Hydraulic Excavators and tippers.

The mine lease area is 11.5076 ha, which is Govt. land. No National Park/Wildlife Sanctuary/Biosphere Reserve/Wildlife Corridor/ Tiger/ Elephant Reserve is located within the 10 km study area of the mine lease. There are five protected Forests within 10 km radius study area. No forest land is involved. State Forest Department, vide letter no 6580 dated 19.10.2015 has confirmed that no forest land falls in mining lease area. Baseline data was collected for the period October to December, 2014. The analytical results of samples collected for air, noise and water were found within permissible limits.

Public Hearing was conducted on 25<sup>th</sup> August, 2015 at Tehsil office Khetri, District Jhunjhunu (Rajasthan). The Public Hearing was presided over by Shri Suresh Maheshwari, Additional District Magistrate. The representative of Rajasthan State Pollution Control Board was also present. The issues raised during Public Hearing were also considered and discussed during the meeting, which *interalia*, included priority to local people in employment, education facility, Environment protection, & socio economic development. Action plan with budgetary allocation has been given against Points raised in Public hearing. Total cost of the Project is Rs. 1 Crores. Capital Cost for environmental protection measures is Rs. 5 lakhs /- and Recurring cost is Rs. 4 Lakhs per annum. There is no court case/litigation is pending against the mining project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for Environmental Clearance for **Mining of Quartzite and Silica Sand with Production Capacity of 4.6 Lakhs TPA (ROM) of Quartzite and Silica 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 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; (iii) 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; (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 centre; Washing of all transport vehicle should be done inside the mining lease; and (v) The number of trips of the trucks shall not exceed the estimated quantity of **77 trucks trips per day**. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages.

**(2.74). Mining of Minor Mineral Markhera Pyrophyllite (10,000 MTPA) & Diaspore (400 MTPA) Mine of M/s Rabela Traders & Finance Pvt. Ltd. Village Markhera, Tehsil-Jatara, District- Tikamgarh Madhya Pradesh (10.834ha)**

Project Proponent **did not attend the meeting**. However the Committee noted that this is category 'B' project as the mine site is located that 6.3 Km from the interstate boundary of Uttar Pradesh and Madhya Pradesh and the mine lease area is 10.834ha.

The Committee **recommended to transfer the** Proposal to SIEAA or concerned Authority.

**(2.75). Raibazar Kaolinised Sand, Silica Sand & China Clay Mine with production capacity of 1, 50, 000 TPA(ROM) of sand stone and washing plant by M/s Standard Mercantile Company (Mining Division) Pvt. Ltd., located at Village: Raibazar, Tehsil: Rajmahal, District: Sahibganj, Jharkhand (MLA 65.197 ha) (Consultant: M/s Udaipur Min-Tech Pvt. Ltd.)- Consideration of EC**

The proposal of M/s Standard Mercantile Company (Mining Division) Pvt. Ltd. is for mining of Kaolinised sand stone with production capacity of 1, 50, 000 TPA(ROM) of sand stone and washing plants in the mine lease of 65.197 ha are located at Village: Raibazar, Tehsil: Rajmahal, District: Sahibganj, Jharkhand. The latitude & longitude of the mine lease area lies between 250 03' 23.41" N to 250 03' 57.34" N & 870 47' 14.07" E to 870 47' 52.18" E the survey of India Toposheet No is 73 O/14. It is "A" project as the MLA is more than 50ha, Interstate boundary between Jharkhand & West Bengal is at a distance of 1 Km from lease area. The Udhuwa Bird Sanctuary is located at a distance of 8.0 Km from the lease area.

The proposal for TOR was considered by Expert Appraisal committee in its meeting held during 21-23rd August 2013 to determine the ToR for undertaking detailed EIA study. The TOR was issued by MoEFCC vide letter No vide letter No.-J-11015/210/2013-IA.II (M), dated 19.08.2014. The EIA/EMP Report online to Ministry for Seeking Environment Clearance after conducting public hearing.

The mine lease area is 65.197ha. No forest land is involved. Initially the Mining Lease was granted in favour of M/s Standard Mercantile Company (Mining Division) Pvt. Ltd. on 07.10.1964 for a period of 15 years (up to 06.10.1979). First renewal of ML was granted on

07.10.1979 for a period of 15 years from 07.10.1979 to 06.10.1994 for the same area and in the name of same lessee. 2nd renewal was received from Department of Mines & Geology, Government of Jharkhand (Ranchi) vide letter no. 1240/M dated 28.09.2004 for the period of 20 years from 07.10.1994 till 07.10.2014. Third renewal application was filed by the lessee in Form J to the State Government for further 20 years on 14.08.2013, effect from 07-10-2014 and the renewal application is pending with the State Government.

Method of mining is done by opencast Mechanized method (OTFM). No blasting is required as the overburden & mineral is soft in nature. Height of the bench varies depending on the thickness of the concerned strata, the maximum height is kept below 6m where the thickness of the mineral exceeds this limit an additional bench is opened. Width of benches will be kept more than the height. There is a Washing Plant in the mine lease having area 1.32 ha. Kaolinised Sandstone invariably requires to be washed to remove the impurities like quartz, unkaolinised feldspar, mica etc., before putting into use. Washing Plants will be worked by manual and mechanical process. The Mining Plan has been approved by State Government of Jharkhand, on dated 13/06/2015.

Total mine lease area is 65.197ha. Project Proponent reported that 7.74 ha area will be used for excavation, 0.51 ha area will be backfilled and planted, 1.11 ha area will be used for soil dump and 1.79 ha will be used for green belt development. There is a washing plant in the lease area having an area of 1.32 ha. Anticipated life of mine is 20 years. The mined out material will be transported through road by tippers/trucks to the stockyard located at a distance of 500m from mine. The ground water depth is 40-45mbgl. Water requirement for the proposed project for domestic use, dust suppression and plantation, will be approx. 15.7KLD, which will be met from private tankers, and water requirement for washing unit is 126.5KLD out of which 70% is recycled, so the net fresh water requirement for washing unit is 38 KLD. The total water consumption in the Mine lease area is about 53.7KLD KLD.

Project Proponent reported that the Udhuwa Bird Sanctuary is located at 8 Km from mine lease area and they had applied for NBWL clearance to the Divisional Forest Officer, Wildlife Division of the State Govt. in 08.03.2013. The NBWL clearance is under approval. There is no Schedule-I species reported in the study area. The base line data was generated for the period during October 2014 to December 2014. All the parameters for water and air quality were within the permissible limits.

The Public Hearing for the proposed project was conducted on 20.06.2015 at Village Rai Bazar, Thana Rajmahal, District Sahibganj, Jharkhand. The Public Hearing was presided by Shri Amit Kumar Mishra, Karyapalak Dandaadhikari. The Committee is of the view that PP has to submit a clarification of SPCB that the Public Hearing was presided over by the ADM rank officer. The issue was raised during the public hearing were also considered and discussed during the meeting, which inter-alia, include the priority to local people in employment, effective implementation of measure to control dust pollution, water conservation measure, social and other village developed activity and not to harm nearby

fields. The cost of project is Rs. 2.36 Crores. The Proponent has earmarked Rs. 5.0 Lakhs towards Environmental Protection measure and Rs. 5.0 Lakhs per annum towards recurring expenses.

The Committee noted that this was a violation case. A prosecution report has been filed by the Jharkhand Pollution Control Board in the court of Court of Additional Chief Judicial Magistrate at Rajmahal, District Sahibgunj vide complaint case no- 57/2014 to take cognizance of offence by the said court under section 15 & 19 of Environment (Protection) Act, 1986 which has been committed by the offending project. The Project Proponent has also submitted the Board Resolution and undertaken that the Project Proponent will strictly follows the guidelines of Ministry, the same have been taken on record.

The Committee noted that that accretion of mine waste in the form of "in-situ waste while mining" as well as "tailing while beatification/washing/lavigation process" are to be assessed correctly. Its mode of disposal should also be earmarked and away from the ultimate pit limit. It should also be aimed to dispose this stuff as back fill material in the mining exaction where ultimate pit limit is attained. The toxic value of such mass/material/stuff is also be assessed precisely.

The Committee noted that the Project Proponent has not submitted the details of Beneficiation Plant and record of workers w.r.t. occupational health and the details of plantation carried out. The Committee deliberated at length the information submitted by Project Proponent and **deferred** the Proposal and sought the following information/clarifications for further consideration:-

- (i) The Public Hearing was presided by Shri Amit Kumar Mishra, Karyapalak Dandaadhikari. The Committee is of the view that PP has to submit a clarification of SPCB that the Public Hearing was presided over not below the rank of ADM officer.
- (ii) A detailed analysis report on occupational health of the workers need to be submitted;
- (iii) Details of Beneficiation Plant along with flow diagram need to be submitted;
- (iv) The accretion of mine waste in the form of "in-situ waste while mining" as well as "tailing while beatification/washing/lavigation process" are to be assessed correctly.
- (v) The Committee noted that during Public Hearing Shri Shivshankar Thakur has raised an issue w.r.t. a court case filed by Pandit Madan Mohan Malviya on restriction of industry and mining activity within 500m boundary of Ganga River. The PP needs to submit detailed court order and its implication on this instant Project;
- (vi) Details of plantation carried out till date in and around the mine lease area; and
- (vii) Updated status of NBWL clearance.

**(2.76). Enhancement of mining of Limestone production capacity from 2.175 million TPA to 3.0 million TPA by M/s Prism Cement Ltd., located at village Hinauti & Sijhatta, Tehsil-Rampur Baghelan, District-Satna, Madhya Pradesh (ML Area-253.326ha)(Consultant: Pollution and Ecology Control Services)-Consideration of EC**

The proposal of M/s Prism Cement Ltd. is for enhancement of mining of Limestone production capacity from 2.175 million TPA to 3.0 million TPA in mine lease area of 253.326ha. The Mine Lease area is located at village(s) Hinauti & Sijhatta, Tehsil Rampur Baghelan, District Satna, Madhya Pradesh. The Latitudes and Longitudes of the mine lease area are 24° 33' 18.2" N to 24° 34' 7.4" N and 80° 59' 19.3" E to 81° 00' 48.7" respectively.

The proposal for TOR was considered by Expert Appraisal committee in its meeting held during 16-17 December 2013 to determine the ToR for undertaking detailed EIA study. The TOR was issued by MoEFCC vide letter No. J-11015/418/2013-IA.II (M), dated 05.03.2014. The Project Proponent has submitted the EIA/EMP Report online to Ministry for Seeking Environment Clearance after conducting public hearing.

Total mine lease area is 253.326ha. Out of which 25.147ha is Agricultural land and 10.461 ha is Govt. land and 217.718ha is company owned land. Mining lease was granted for 20 years w.e.f. 28.09.1996 to 27.09.2016. Modified Scheme of Mining and Progressive Mine Closure Plan has been approved by IBM Nagpur on 05.09.2012. Public Hearing was held on 23.01.2015. Method of mining is by opencast mechanized. Total cost of the project is 12.7 Crores, Capital cost for EMP is 64 lakhs and recurring cost for EMP is 13.7 lakhs.

The Committee noted that the Ministry has earlier granted EC vide letter No. J-11015/37/1996-IA.II (M), dated 31.12.1996 for combined lease area of 1143.41ha (inclusive of this lease) and for setting up 2.0 million TPA Cement Plant. The Regional Office of the Ministry's office located at Bhopal has submitted the certified compliance report vide letter dated 30.04.2015.

The Project Proponent has presented that compliance report of the earlier EC conditions. The Committee noted that there are non-compliance w.r.t. EC conditions No. 2, 3, 5, 7, 8 & 11. The Committee observed that there is **substantive non-compliance of the earlier EC conditions which inter-alia includes excess production of limestone, garland drain and OB dumps related issues, analysis of mine water has not done, green belt development has not done, no separate EMC was set up etc.** The Committee also noted that based on the compliance report, the Monitoring Cell of the Ministry, vide letter dated 4<sup>th</sup> November 2015, has directed the Project Proponent to comply with the conditions mentioned in the EC and also requested Regional office to follow-up the matter.

The Committee has also noted that the Project Proponent has changed the consultant after EIA/EMP report. **It is noted that as per prescribed procedure the new consultant has to verify the monitoring data and accordingly to inform to the Ministry but the Project Proponent had not do so far.**

The Committee deliberated at length and **deferred** the Proposal and suggested that **first the Project Proponent shall first comply with all the conditions stipulated in the EC and the Regional Office of the Ministry may be requested to visit the mine and certify that they are complying with the conditions of earlier environmental clearance and also the project proponent to prove that there is no violation regarding the production enhancement against the permitted quantity.**

**(2.77). Enhancement of Production of Limestone Mine from 0.825 million TPA to 3.0 million TPA by M/s Prism Cement Ltd., located at village Hinauti & Sijhatta, Tehsil Rampur Baghelan, District Satna, Madhya Pradesh (ML Area-772.067ha)(Consultant: Pollution and Ecology Control Services)-Consideration of EC**

The proposal of M/s Prism Cement Ltd. is for Enhancement of Production of Limestone Mine from 0.825 million TPA to 3.0 million TPA in the ML Area of 772.067 ha. The Mine Lease area is located at Villages Hinauti & Sijhatta, Tehsil Rampur Baghelan, District-Satna, Madhya Pradesh. The Latitudes and longitudes of the mine lease area is between are 24<sup>0</sup> 33' 22.8" N to 24<sup>0</sup> 36' 25.7" N and 80<sup>0</sup> 59' 19.4" E to 81<sup>0</sup> 01' 56.1" respectively.

The proposal for TOR was considered by Expert Appraisal committee in its meeting held during 16-17 December 2013 to determine the ToR for undertaking detailed EIA study. The TOR was issued by MoEFCC vide letter No vide letter No.-J-11015/419/2013-IA.II (M), dated 05.03.2014. The Project Proponent has submitted the EIA/EMP Report online to Ministry for Seeking Environment Clearance after conducting public hearing.

Total mine lease area is 772.067ha. Out of which 151.118ha is Agricultural land and 7.406 ha is Govt. land and 340.320ha is company owned land and 273.223ha barren land. Mining lease was granted for 20 years w.e.f. 25.03.2005 to 24.03.2025. Modified Scheme of Mining and Progressive Mine Closure Plan has been approved by IBM Nagpur on 06.09.2012. Public Hearing was held on 23.01.2015. Method of mining is by opencast mechanized. Total cost of the project is 25.0 Crores, Capital cost for EMP is 135 Lakhs and recurring cost for EMP is 37 Lakhs.

The Committee noted that the Ministry has earlier granted EC vide letter No. J-11011/949/2007-IA.II(I), dated 22.09.2008 for combined lease area of 1501.394ha (inclusive of this lease) and for setting up 6.7 million TPA Cement Plant. The Regional Office of the Ministry's office located at Bhopal has submitted the certified compliance report vide letter dated 30.04.2015.

The Project Proponent has presented that compliance report of the earlier EC conditions. The Committee noted that there are non-compliance w.r.t. specific EC conditions No. 4, 8, 9, 10, 12, 13, 15, 16, 19, 22, 23 & 24 and general EC conditions No. 1, 4, 9, 11, 12, 13 & 14. The Committee observed that there is **substantive non-**



**compliance of the earlier EC conditions which inter-alia includes rain water harvesting, height of OB dump, reclamation of mined out area, excess production of limestone, digital process of entire area using remote sensing technique and temporal change, discharge of mine water, plantation of the both side of the roads, garland drain and OB dumps related issues, green belt development has not done, no separate EMC was set up etc.**

The Committee has also noted that the Project Proponent has changed the consultant after EIA/EMP report. **It is noted that as per prescribed procedure the new consultant has to verify the monitoring data and accordingly to inform to the Ministry but the Project Proponent had not do so far.**

The Committee deliberated at length and **deferred** the Proposal and suggested that **first the Project Proponent shall first comply with all the conditions stipulated in the EC and the Regional Office of the Ministry may be requested to visit the mine and certify that they are complying with the conditions of earlier environmental clearance and also the project proponent to prove that there is no violation regarding the production enhancement against the permitted quantity.**

**(2.78). Expansion in Limestone production capacity from 1.5 Million TPA to 5.5 Million TPA at Vikram Cement Limestone Mine -II by M/s UltraTech Cement Limited (Unit Vikram Cement Works), located at village(s) – Suvakheda, Maheshpuria and Morka, Tehsil-Jawad, District-Neemuch, Madhya Pradesh(MLA-342.612ha)– (Consultant: M/s JM EnviroNet Pvt. Ltd.)-Consideration of EC**

The proposal of M/s UltraTech Cement Limited (Unit Vikram Cement Works) is for Expansion in Limestone production capacity from 1.5 Million TPA to 5.5 Million TPA at Vikram Cement Limestone Mine -II. The mine is located at village(s) – Suvakheda, Maheshpuria and Morka, Tehsil - Jawad, District-Neemuch, Madhya Pradesh in MLA of 342.612 ha. The Latitudes and Longitudes of the mine lease area are 24° 32' 25.11" N to 24° 34' 00.01" N and 74° 52' 25.21" to 74° 50' 59.28" E respectively on the Survey of India Toposheet No. 45 L/14 & 45 L/15. The Project is located in Seismic zone-II.

The Proposal was considered by the Expert Appraisal Committee in its meeting held on March 13<sup>th</sup>, 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. TOR was issued by MoEF&CC vide letter no. J-11015/440/2012.IA.II (M) dated 1<sup>st</sup> May, 2013. EIA/EMP Report has been submitted online to the Ministry for seeking Environmental Clearance after conducting Public Hearing.

The Ministry has earlier accorded the Environmental Clearance for Limestone Mining @ 1.5 million TPA, vide letter no. J-11015/38/2001-IA.II(M), dated 21.07.2003 and 08.10.2014. The Regional Office of the Ministry located at the Bhopal has submitted the certified compliance report vide letter no 3-3/2010(ENV)/093 dated 18<sup>th</sup> February, 2015.

The Committee noted that the Project Proponent has partly complied the specific conditions No. 5 (w.r.t. no consistence in submission of analytical data), condition No. 6 (w.r.t. temporal change occurred due to mining activity as per remote sensing techniques), condition no. 9 (w.r.t. CGWA permission) and general conditions No. 3, 6 & 7 (w.r.t. analytical report of AAQ, noise & waste water), condition No. 14 & 16 (w.r.t. publishing in the newspaper). In this context, the Project Proponent, vide letter dated 25.11.2015, has submitted updated status of compliance of earlier EC conditions. The Committee deliberated the issues on the compliance of earlier EC condition.

The mine lease area is 342.612ha. The mining lease was granted to M/s Vikram Cement, Prop. Grasim Industries Limited, vide grant order no. dated 02.07.2001 for a period of 20 years. Name change of the lessee to M/s UltraTech Cement Limited (Unit Vikram Cement Works) was done vide order number dated 26.08.2011. Mining Lease is valid up to 27.01.2052 as per the Govt. of Madhya Pradesh vide letter no 838/Khani/2015, dated 21.07.2015. Mining Scheme with Progressive Mine Closure Plan has been approved by Regional Controller of Mines, Indian Bureau of Mines, Nagpur vide their letter no. MND/LST/MPLN-740/NGP dated 24.06.2015.

Project Proponent reported that Limestone mining is being carried out by fully mechanized opencast method by use of Heavy Earth Moving Machines and deep hole drilling & blasting with large dia holes. At the conceptual stage, out of the total mining lease area (i.e. 342.612 ha), total mined-out area will be 191.790ha and out of which 122.49ha area will be reclaimed by backfilling and remaining 69.30ha area will be converted into water reservoir. The limestone produced from the mine will be utilized in Cement Plant at Vikram nagar Tehsil-Jawad, District-Neemuch, Madhya Pradesh.

Project Proponent reported that no National Parks/Wildlife Sanctuaries /Biosphere Reserves/Wildlife Corridors/Tiger/Elephant Reserves are located within the 10 km study area of the mine lease. There is one Reserved and one protected Forest within 10 km radius study area. No forest land is involved in Mining lease area. State Forest Department, vide letter no S.No/ Ma. Chi/2013/2603, dated 27.07.2013 has confirmed that no forest land is there in the lease area. The Conservation plan has been approved for Schedule I Species along with budgetary provisions.

Baseline data was collected for the period October to December, 2013. The analytical results of samples collected for all parameters were found within permissible limits. Public Hearing was conducted on 19<sup>th</sup> November, 2014 at Khor Village, Near UTCL premises, Village-Khor, Tehsil-Jawad, District-Neemuch, Madhya Pradesh. The Public Hearing was presided over by Smt. Jamuna Bhide, CEO, Jila Panchayat & Addl. Collector, District Neemuch. The representative of Madhya Pradesh Pollution Control Board, Ujjain. The issues raised during Public Hearing were discussed during the meeting, which interalia, includes Drinking water facility, Environment protection measure, impact on agricultural filed, Medical Assistance, Sanitation Programme, Plantation Programme, Education facility and village infrastructure, providing assistance for employment. The Project Proponent has

submitted Action plan along with budgetary allocation on the issues raised in Public Hearing. The Committee is of the view that the PP shall implement the Action Plan.

Total cost of the Project is Rs. 117.15 crores. Capital Cost for environmental protection measures is Rs. 149 Lakhs and Recurring cost is Rs. 36 Lakhs per annum. Project Proponent has earmarked Rs. 5.0 Crores for socio-economic welfare measures for the nearby villages other than R&R plans. Project Proponent reported that there is no court case pending against the Project.

The Committee deliberated at length the information submitted by PP and **recommended the Proposal for Environmental Clearance for Expansion in Limestone production capacity from 1.5 Million TPA to 5.5 Million TPA.**

The Committee also **recommended additional specific conditions** viz. (i) Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area"; (ii) Project Proponent shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighborhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority. (iii) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; (iv) The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres; (v) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (vi) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical check-up once in six months and necessary medical care/preventive measures undertaken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers should also be adopted; (vii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project

Proponent shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; and (viii) 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.

**(2.79). River Bed Mining Project of Bajri with proposed production capacity of 33.6 Lakh TPA (ROM) of Bajri by M/s Manjeet Chawla, located at Revenue village(s) of Tehsil–Malarana Dungar, District–Sawai Madhopur, Rajasthan (MLA: 1054.78ha)(Consultant-EQMS India Pvt. Ltd.)-Consideration of EC**

The proposal of Lessee Shri Manjeet Chawla is for mining of Bajri (Minor Mineral) at 12 revenue village(s) of Tehsil-Malarna Dungar, District-Sawai Madhopur, Rajasthan with proposed production capacity of 33.6 Lakhs TPA (ROM) of Bajri in the mine lease area of 1054.78ha. The mine lease area lies in Banas riverbed. The Latitudes and Longitudes of the mine lease area lies between 26010'30" N to 26015'30" N and 76006'00" to 760 35'00" E on Survey of India toposheet number 54 B/4, 54 B/8, 54 B/12. 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 meeting held during 20-22 November 2013 to determine the Terms of Reference (ToR) for undertaking detailed EIA study. TOR was issued by MoEF&CC vide letter no. J-11015/422/2012.IA.II (M) dated 29.01.2014. EIA/EMP Report has been submitted online to the Ministry for seeking Environmental Clearance after conducting Public Hearing.

The mine lease area is 1054.78 ha which is categorized as the Gair mumkin Nadi Nala. No forest land is involved. The Letter of Intent was granted by the Govt. of Rajasthan vide letter no. Khan (Group-2) Vibhag, S.No. P. 6 Khan/Group-2/2013, Jaipur dated 26 April 2013 of Shri Manjeet Chawla for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved vide SME/BP/M.Plan/2013/1369 dated 20.5.14.

Method of mining will be opencast semi-mechanized mining method. Excavation will be carried out up to a maximum depth of 3 m from surface of sand deposit and 1 m above from the water level of the River channel whichever is reached earlier. The project proponent informed that 400.03ha area will be used for excavation, 234.66 ha for Safety Zone, 132.0 ha for Green belt development and 288.09 ha area for the others (Un-worked area). Mineral will be transported through road.

Project proponent reported that mining will be done leaving a safety distance from the banks i.e. 7.5 m 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 45 m on either side of the structure/bridge. Project proponent reported that there

will be construction of temporary rest shelters during operational phase. Mineral will be transported through road. Project proponent has made the traffic Analysis survey and reported that no. of trucks deployed will be 357 per day which increase 2142 PCUs per day at SH-24 and 1458PCUs per day at SH-1, but the level of service (LOS) remains as "B" for both the roads. Project proponent reported that roads will be repaired regularly and maintained in good condition. A supervisor will be maintained at the sensitive places.

The Project Proponent reported that buffer forest area of Samoli-Biloli RF in the buffer zone of the project is located about 3.9 km north of critical tiger habitat of Ranthambhore Tiger Reserve. The proposed mine lease area falling in tehsil Malarana Dungar of district Sawai Madhopur is not identified as critically polluted area. The lease area does not attract Aravali Notification. The total water requirement is 40 KLD including water demand for domestic purpose (5 KLD), dust suppression (25 KLD) and green belt development (10 KLD) which shall be met by tanker supply from the private agency. Though no Schedule – I & II species were found in the core-zone, however these are present in buffer zone for which conservation plan (Rs. 25 Lakhs) has been formed, including wildlife management plan for buffer zone of Critical Tiger Reserve of Ranthambhore.

The baseline study for different environmental attributes was carried out during December, 2013 – February, 2014. The project proponent reported that parameters for water and air quality were within permissible limit. The Committee deliberated the baseline data collected by 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.

Public Hearing for the proposed project was conducted on 11.03.2015 at Gram Panchayat Bhawan, Bhookha, Tehsil Malarna Dungar, District Sawai Madhopur, Rajasthan. The Public Hearing was presided over by Shri Ishwar Singh Rathore, ADM Sawai Madhopur. The representatives from the Regional officer of 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.

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. 37.08 Lakhs (annual recurring cost). Proponent informed that Rs. 7.0 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Proponent has earmarked budget of Rs. 25 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 ~2187349 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.6(11) Khan/Group-2/2013, dated 19.12.2013

Project Proponent has conducted **the replenishment study of Sand and using various method and reported that the total annual sediment load in the range of 0.37 to 0.75. The Committee noted that the replenishment rate is less than the excavation of mineral accordingly; the Committee is of the view that Project Proponent needs to revise the production capacity based on the replenishment study.**

**The Committee deliberated the issues and is of the view that the sand mining projects of Rajasthan are not classical River Sand Mining Project as there is no perennial or monsoon Rivers. So the issues like replenishment, distance from the River banks etc. do not have much relevance. These will, perhaps, have to be treated like any other mineral reserves which will create permanent the topography and change the drainage system.**

**The Committee is, therefore, deferring these Sand Mining Projects of Rajasthan to deliberate on how should these Projects be dealt with and what specific conditions could be imposed in respect of these projects. The new conditions, though may be deviation from existing conditions of River Sand Mining, would take care of environmental issues of Sand mining in these areas. After which these projects will be considered in the Committee without calling the Project Proponent.**

**(2.80). Mining of River Bed Material Bajari (Minor Mineral) with proposed production capacity 16.80 Lakhs TPA (ROM) by lessee Shri Narottam Singh Jadaun, located at Revenue villages of Tehsil and District – Dausa, Rajasthan (MLA: 2031.98ha) (Consultant: Udaipur Min Tech Pvt. Ltd., Udaipur)–Consideration of EC.**

The proposal of lessee Shri Narottam Singh Jadaun is for mining of River Bed material (Minor Mineral) on Ban Ganga River & its connected flow nallhs with proposed production capacity 16.80 TPA (ROM) in the mine lease area of 2031.98ha. The mine lease area is located at near Ban Ganga River & its connected flow nallhs. The mine is located at Revenue villages of Tehsil and District– Dausa, Rajasthan. The Latitudes and Longitudes of the mine lease area are 26° 55'00" to 27° 00'00" N & 76° 13' 00" to 76° 28' 00" E Respectively on Topo Sheet no. 54 B/1,5,9 & 54 A/4 & 8. The project is located at seismic zone-II

The proposal for TOR was considered by Expert Appraisal Committee in during its 12<sup>th</sup> meeting held on during 31<sup>st</sup> October 2013 to 1<sup>st</sup> November 2013 to determine the ToR for undertaking detailed EIA study. The TOR was issued by Ministry vide letter No. J-

11015/325/2013-IA. II (M), dated 22<sup>nd</sup> November, 2013. The EIA/EMP Report online to Ministry for Seeking Environment Clearance after conducting public hearing.

The total mine lease area is of 2031.98 ha. Project proponent reported that there is no forest land involve. State Government of Rajasthan has issued Letter of Intent in favour of Shri Narottam Singh Jadaun vide letter no.P.7 (6) Khan/Group-2/2013, Jaipur dated 15.02.2013. The modified mining plan was approved by SME, Jaipur vide letter no. SME/JP/MMP/P-699/14/2579 on dated 01.07.2015.

Method of mining will be opencast semi-mechanized. Excavation will be carried out up to a maximum depth of 3 m from surface of sand deposit and 1 m above from the water level of the River channel whichever is reached earlier. Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 7.5 m 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 45m on either side of the structure/ bridge. Project Proponent reported that there will be construction of temporary rest shelters during operational phase. Project Proponent has informed that Replenishment of Sediments will be occurred every year. Total water requirement for the project is 25KLD.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis Survey and reported that 250 no. of trucks will be deployed per day and the level of service (LOS) remains as "A" on NH 11A & NH 11. 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.

No National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area i.e. 10 km radius of the mine boundary. Dausa, Forest Department, vide letter No-AF/106/survey/UVS/2014-15/2772, dated 27.04.2015 has confirmed that mine lease area does not fall under Forest Land. There are no Schedules-I species in the study area.

Baseline data on Ambient Air Quality, Water Quality, Soil Quality and Noise Quality has been collected for summer season i.e. December, 2013 to February, 2014. The Committee deliberated the baseline data collected by 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.

Public Hearing was conducted on date 08.06.2015, at I.T.I. Kendra, Collector ate Premises, Dausa, Rajasthan. The Public Hearing was presided by Shri K. C. Sharma, ADM, Dausa, Rajasthan. The representatives from the Regional officer of 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.

The total cost of the Project is Rs. 1.92 Crore. Proponent reported that the annual capital cost is Rs. 50.00 Lakhs and recurring cost is Rs. 37.00 Lakhs towards the Environmental Protection measures. Proponent informed that Rs. 10 Lakhs per annum has been earmarked towards CSR activities for next five years of mining operation.

**The Committee noted that the replenishment rate is less than the excavation of mineral accordingly; the Committee is of the view that Project Proponent needs to revise the production capacity based on the replenishment study.**

The Committee deliberated the issues and is of the view that the sand mining projects of Rajasthan are not classical River Sand Mining Project as there is no perennial or monsoon Rivers. So the issues like replenishment, distance from the River banks etc. do not have much relevance. These will, perhaps, have to be treated like any other mineral reserves which will create permanent the topography and change the drainage system.

**The Committee is, therefore, deferring these Sand Mining Projects of Rajasthan to deliberate on how should these Projects be dealt with and what specific conditions could be imposed in respect of these projects. The new conditions, though may be deviation from existing conditions of River Sand Mining, would take care of environmental issues of Sand mining in these areas. After which these projects will be considered in the Committee without calling the Project Proponent.**

**(2.81). Mining of Mineral Bajri (Minor Mineral) in the Banas River, Sukli Nadi, Hukli Nadi, Gokuli Nadi, Kukri Nadi with proposed production capacity of 48.0 LakhsTPA (ROM) by M/s Paarasmal Ghanchi, located at village (s)- Patumbri, Bhavari, Nadiya and others, Tehsil-Pindwara, District-Sirohi, Rajasthan (MLA:588.14ha)- (Consultant: Ramji Mine Envirotech vide Stay Order in the matter of SB Civil WP No. 17905/2013-High Court of Rajasthan)-Consideration of EC.**

The proposal of M/s Paarasmal Ghanchi is for mining of Bajari (Minor Mineral) with proposed production capacity of River Sand (Bajri) Mining Project with proposed production capacity of 48.0 Lakhs TPA (ROM) in the mine lease area of 588.14ha. The mining lease area is located in village (s) – Patumbri, Bhavari, Nadiya and others, Tehsil- Pindwara, District-Sirohi, Rajasthan. The Mining lease area lies on Banas River, Sukli Nadi, Hukli Nadi, Gokuli Nadi, Kukri Nadi. The geographical extends of mining lease area are: Latitudes: 24°33'6.8674"N to 24°52'12.6061"N, Longitudes: 72°51'4.3130"E to 72°56'28.1436"E on the Survey of India toposheet no. 45 H/1, 45H/2, 45 D/13, 45D/14. The project is located in seismic zone-III.



The proposal of TOR was considered by the Expert Appraisal Committee in its meeting held during 31<sup>st</sup>October, 2013 to 01<sup>st</sup>November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No J-11015/387/2013-IA.II (M), dated 22<sup>nd</sup>November, 2013. The proponent submitted the EIA/EMP report online to ministry for seeking environmental clearance after conducting Public Hearing. The Proposal of EC was earlier consider in 34<sup>th</sup> EAC meeting held during 27-29 May 2015 wherein the PP has sought the deferment. Based on the request of PP the proposal is considered in this meeting.

The mine lease area is 588.14ha which is part of Banas River, Sukli Nadi, Hukli Nadi, Gokuli Nadi, Kukri Nadi. No forest land is involved. The Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri over an area of 588.14ha has been granted in favour of M/s Paarasmal Ghanchi, R/o- Talab Road, Jasol, Tehsil -Panchpadra, District – Barmer, Rajasthan, over an area of 588.14ha vide State Government Order No. P8 (17) Khan/Group-2/13 Jaipur, dated 13<sup>th</sup> June, 2013. The Mining plan has been approved by SUPDTG MINING ENGINEER, Department of Mines & Geology, Jodhpur Circle, vide order no SME/JO/CC/SIROHI/MINOR/BAJRI/M.L. No.09/2012dated 16/06/2014.

Method of mining will be opencast semi-mechanized. Excavation will be carried out up to a maximum depth of 3 m from surface of sand deposit and 1 m above from the water level of the River channel whichever is reached earlier. PP reported that 470.51ha area will be used for excavation. The elevation is 279 – 205 AMSL. Ground water depth is 10-15 m in pre-monsoon and 12-15 m in post-monsoon. Total water requirement for the project will be 22 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply. No groundwater intersection during the mining operations is envisaged. Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 7.5 m 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 45m on either side of the structure/ bridge. Project Proponent reported that there will be construction of temporary rest shelters during operational phase. Project Proponent has informed that Replenishment of Sediments will be occurred every year. Total water requirement for the project is 25KLD.

Mineral will be transported through road. Project proponent has made the traffic Analysis survey and reported that no. of truck deployed will be 700 per day (20 tones capacity each) which increase 2100 PCUs per day, but the level of service (LOS) remains as "A". Project proponent reported that roads will be repaired regularly and maintained in good condition. A supervisor will be maintained at the sensitive places.

Project proponent reported that Mount Abu Wildlife Sanctuary is approx. 2.0 km in East direction from Banas River. NBWL Clearance is mandatory for this project. There are 14 Reserve forests. State Government of Rajasthan, vide letter no ME/Sirohi/Bajri/M.L/9/2012/855, dated 12.10.2015 has confirmed that the lease does not

fall in Aravali range. There are 3 Schedule-I species (Leopard, Sloth Bear & Peacock) found in the study area.

The baseline data was generated for the period during December, 2013 to February, 2014. The project proponent reported that parameters for water and air quality were within permissible limit. The Committee deliberated the baseline data collected by 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.

Public Hearing for the proposed project was conducted on 29.08.2014 at 11:00 A.M. at office of SDM, Tehsil-Pindwara, District-Sirohi, Rajasthan. The Public Hearing was presided over by Dr. V.C. Garg, Additional District Collector, Sirohi. The representatives of the Rajasthan State Pollution Control Board, Pali 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, mining by manual method, 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. 2.0 Crores. The Proponent has earmarked Rs. 19.0 Lakhs towards Environmental Protection Measures towards recurring expenses. Proponent has informed that Rs. 23.50 Lakhs per annum as recurring cost 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 3,19044 tones of Bajri has been made during December, 2013 to December, 2015.

**The Committee noted that the replenishment rate is less than the excavation of mineral accordingly; the Committee is of the view that Project Proponent needs to revise the production capacity based on the replenishment study.**

The Committee deliberated the issues and is of the view that the sand mining projects of Rajasthan are not classical River Sand Mining Project as there is no perennial or monsoon Rivers. So the issues like replenishment, distance from the River banks etc. do not have much relevance. These will, perhaps, have to be treated like any other mineral reserves which will create permanent the topography and change the drainage system.

**The Committee is, therefore, deferring these Sand Mining Projects of Rajasthan to deliberate on how should these Projects be dealt with and what**

**specific conditions could be imposed in respect of these projects. The new conditions, though may be deviation from existing conditions of River Sand Mining, would take care of environmental issues of Sand mining in these areas. After which these projects will be considered in the Committee without calling the Project Proponent.**

**(2.82). Mining of Mineral Bajri (Minor Mineral) with production capacity of 14 Lakhs TPA (ROM) by M/s Shekhawat Associates, located near 113 Revenue villages of Tehsil-Sojat, District-Pali, Rajasthan (MLA:4316.0ha)-Re-consideration of EC.**

The proposal of M/s Shekhawat Associates is for Mining of Mineral Bajri (Minor Mineral) with production capacity of 14 Lakhs TPA (ROM) in the mine lease area of 4316.0ha. The mining lease area is 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. 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" Eon 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 of EC was earlier considered by the Expert Appraisal Committee in its Meeting held during May 27-29, 2015 wherein, the Committee deferred the proposal and sought the information viz. (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.

The Project Proponent vide letter dated 28.07.2015 has submitted the requisite information and accordingly the proposal is considered in the present meeting. Following of the information submitted by the Project Proponent:-

- (i) TOR compliance re-submitted by the Project Proponent.
- (ii) Project Proponent has made the Traffic Analysis survey and reported that 251 numbers of trucks will be deployed per day (20 tones capacity each). The total PCUs estimated is 1020 PCUs per day for NH 14; 120 PCUs per day for SH 62 and 366 PCUs per day for SH 58 road. The level of service (LOS) will change from "B" to "C" at NH 14 and remain as 'B' at SH-62 & SH-58. The Committee is of the view that the number of trips of the trucks shall not exceed the estimated quantity of 251 trucks trips per day.

- (iii) Project Proponent has conducted the replenishment study of Sand and using various method and reported that the total annual sediment load in the range of 0.46 – 0.90 Million tonne per Annam. The Committee noted that the replenishment rate is less than the excavation of mineral accordingly; the committee is of the view that Project Proponent needs to revise the production capacity based on the replenishment study.
- (iv) Cumulative impact of other mines located in the vicinity of the lease area is submitted by Project Proponent.
- (v) Revised action plan on the issues raised during PH are submitted.
- (vi) Rajasthan State Pollution Control Board vide letter dated 17.07.2015 has mentioned that the site is not located in the Critically Polluted Areas of Pali (viz. Industrial area, Mandia Road, Punayata Road and Sumerpur Road, pali).

The Committee deliberated at length the information submitted by Project Proponent and **deferred** the Proposal and suggested that the Project Proponent **needs to revise the production capacity based on the replenishment study and also revise the EIA/EMP report for further consideration.**

The Committee deliberated the issues and is of the view that the sand mining projects of Rajasthan are not classical River Sand Mining Project as there is no perennial or monsoon Rivers. So the issues like replenishment, distance from the River banks etc. do not have much relevance. These will, perhaps, have to be treated like any other mineral reserves which will create permanent the topography and change the drainage system.

**The Committee is, therefore, deferring these Sand Mining Projects of Rajasthan to deliberate on how should these Projects be dealt with and what specific conditions could be imposed in respect of these projects. The new conditions, though may be deviation from existing conditions of River Sand Mining, would take care of environmental issues of Sand mining in these areas. After which these projects will be considered in the Committee without calling the Project Proponent.**

#### **RECONSIDERATION OF ENVIRONMENT CLEARANCE**

- (2.83). Motawatan Fire, Ball Clay, Yellow & Red Ochre Mining project with production capacity of 50,000 TPA by M/s Jai Chand Lal Daga, located at Village-Motawatan, Tehsil- Kolayat, District Bikaner, Rajasthan (MLA: 98.45 ha)-Amendments in EC No. J-11015/259/2005-IA.II.(M) dated 03.04.2006 w.r.t. Specific condition no. (v)**

The proposal of M/s Jai Chand Lal Daga is for amendments in EC w.r.t. Specific condition no. v from "The mining shall not be carried out below ground level" to "The mining shall not be carried out below ground water level". The mine is located at Village-Motawatan, Tehsil- Kolayat, Dist- Bikaner, Rajasthan in the mine lease area of 98.45 ha. The

lease area lies between Latitudes & Longitudes 27° 55' 39.98' ' N and 72° 56' 22.59' ' E respectively.

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter no. J-11015/259/2005-IA.II (M), dated 03.04.2006 for production capacity of 50,000 TPA in mine lease area of 98.45 ha. The mine lease area for the mineral Fire, Ball clay, Yellow & Red Ochre was granted in favour of M/s Jai Chand Lal Daga for 20 years from 14.10.1982 to 13.10.2002. The mining lease has been renewed (First renewal) for period of next 20 years- 04.05.2003 to 03.05.2023, vide order no- Kramank: Nikhabhu/Bika/CC-6/P-1(1)8/02/R/112 dated 15.01.2008. The Mine closure plan was approved vide letter no-SME/BKN.CC/2014/1038, dated 24/09/2014.

Project Proponent has reported that Rajasthan State Pollution Control Board, vide letter no-F12(BK-28)/Bikaner/RPCB/Gr.Mines/1139, dated-7/5/2015 has issued a Show Cause Notice for indented refusal of consent to operate under Air (Prevention & Control of Pollution) Act, 1981 due to contradictory statement mentioned in EC at point No. 2, stated that ultimate working depth of the mine will be 25-30 m below the ground level and at point No. v of specific condition's stated that the mining shall not be carried out below ground level. In view of this, PP has requested the amendments in the EC w.r.t. specific condition no. (v).

The Committee deliberated the information submitted by PP and is of the view that it is a typographical mistake and **recommended the proposal for Amendments in EC w.r.t. specific condition no. (v) and may be read from** "The mining shall not be carried out below ground level" to "The mining shall not be carried out below ground water level".

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board;(ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.84). Indo Ka Bala Ball Clay, fire clay red & yellow ochre mining project with production capacity of 50,000 TPA by M/s Prem Lata Gupta, located at village- Indo Ka Bala, Tehsil - Kolayat, District - Bikaner, Rajasthan (MLA: 165.6442ha)-Amendments in EC No. J-11015/274/2005-IA.II(M) dated 15.01.2007 w.r.t. reduction of mine lease area from "256.70ha to 165.6442ha"**

The proposal of M/s Prem Lata Gupta is for amendments in EC w.r.t. reduction of mine lease area from "256.70ha to 165.6442ha". The mine is located at village- Indo Ka Bala, Tehsil - Kolayat, District - Bikaner, Rajasthan in the mine lease area of 165.6442ha. The lease area lies between Latitudes & Longitudes 27° 52' to 27°53' " N and 72° 58' to 72° 59' " E respectively.

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter no. J-11015/274/2005-IA.II (M), dated 15.01.2007 for production capacity of 50,000 TPA in mine lease area of 256.70ha.

Project Proponent has reported that initially the mining area was recorded as 256.70ha but due to closing area is 225.7227ha. Further, they have surrendered 60.0785ha of the mine lease area and now the retained lease area is 165.6442ha. Govt. of Rajasthan, vide letter dated 03.06.2014 has reduced the mine lease area from 256.7227ha to 165.6442ha. Mining plan with Progressive mine closure plan for the reduced area of 165.6442ha was approved by Government of Rajasthan, SME Bikaner, vide letter dated 25.02.2015. Project Proponent informed that they are regularly submitting six monthly compliance report of EC conditions to the Regional Office of the Ministry, Lucknow.

The Committee deliberated the information submitted by PP and **recommended the proposal for Amendments in EC No. J-11015/274/2005-IA. II(M) dated 15.01.2007 w.r.t. reduction of mine lease area from "256.70ha to 165.6442ha" subject to submission of (i) Year wise production details of the mineral authenticated by Mines and Geology Department, Govt. of Rajasthan; (ii) Copy of compliance report of earlier EC conditions; and (iii) Affidavit about the pending of court cases, if any.**

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.85). Kotri China Clay Mining Project with production capacity of 1,00,000 TPA by M/s Jai Shankar Mines and Minerals, located in Village Kotri, Tehsil Kolayat, District Bikaner, Rajasthan (MLA: 37.7254ha)-Amendments in EC No. J-11015/283/2005-IA.II(M) dated 09.01.2007 w.r.t. reduction of mine lease area from "39.10ha to 37.7254ha"**

The proposal of M/s Jai Shankar Mines and Minerals is for amendments in EC w.r.t. reduction of mine lease area from "39.10ha to 37.7254ha". The mine is located at village Kotri, Tehsil Kolayat, District Bikaner, Rajasthan in the mine lease area of 37.7254ha.

The Committee noted that the Environmental Clearance was granted by the Ministry, vide letter no. J-11015/283/2005-IA.II (M), dated 09.01.2007 for production capacity of 1,00,000 TPA in mine lease area of 39.10ha.

Project Proponent has reported that initially the mining area was sanctioned as 39.10ha but due to non-availability of minerals, they have surrendered 1.3746ha of the mine lease area and now the retained lease area is 37.7254ha. Govt. of Rajasthan, vide letter dated 13.06.2011 has reduced the mine lease area from 39.10ha to 37.7254ha. Mining plan with Progressive mine closure plan for the reduced area of 37.7254ha was approved by Government of Rajasthan, SME Bikaner, vide letter dated 08.01.2016. Project Proponent informed that they are regularly submitting six monthly compliance report of EC conditions to the Regional Office of the Ministry, Lucknow.

The Committee deliberated the information submitted by PP and **recommended the proposal for Amendments in EC No. J-11015/283/2005-IA. II(M) dated 09.01.2007 w.r.t. reduction of mine lease area from "39.10ha to 37.7254ha" subject to submission of (i) Year wise production details of the mineral authenticated by Mines and Geology Department, Govt. of Rajasthan; (ii) Copy of compliance report of earlier EC conditions; and (iii) Affidavit about the pending of court cases, if any.**

The Committee also **recommended additional specific conditions** viz. (i) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as

amended from time to time by the Central Pollution Control Board;(ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical checkup and once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; (iii) Project Proponent shall 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; and (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 centre; Washing of all transport vehicle should be done inside the mining lease.

**(2.86). Kotri China Clay Mining Project with production capacity of 40,000 TPA, located in Village Kotri, Tehsil Kolayat, District Bikaner, Rajasthan (MLA 38.94ha)-Amendment in EC no. J-11015/262/2005-IA.II (M), dated 13<sup>th</sup> March 2007**

The proposal is case of transfer of EC from M/s Gulab Chand Kochar to M/s Sampat Lal Daga. The EC was granted by the Ministry, vide letter no. J-11015/262/2005 IA.II (M), dated 13<sup>th</sup> March 2007 in the name of M/s Gulab Chand Kochar for Mining of China Clay with production capacity of 40,000 TPA in an area of 38.94ha. Project Proponent informed that the said Mining lease was transferred by Department of Mines and Geology, Government of Rajasthan on 21.06.2010 in the name of M/s Sampat Lal Daga and subsequently Mining Lease transfer agreement was executed on 29.07.2010 and registered on 30.07.2010 in the office of sub registrar of Kolayat.

The Committee deliberated the information submitted by PP and is of the view that this is a **case of transfer of EC and the Project Proponent has to apply as per the provisions of Rule 11 of the EIA Notification, 2006.**

**AMENDEMENT OF TOR**

**(2.87). Expansion of Existing Lead Zinc Ore Mining and its beneficiation capacity from existing 1.5 MTPA to 4.0 MTPA by M/s. Hindustan Zinc Ltd., located at village near Zawar, District-Udaipur, Rajasthan (MLA: 3620 ha)-Amendments in TOR and extension of validity of TOR**

The Ministry has prescribed TOR on 01.04.2013 to M/s. Hindustan Zinc Ltd. for Expansion of Existing Lead Zinc Ore Mining and its beneficiation capacity from existing 1.5



MTPA to 5.0 MTPA, located at village near Zawar, District-Udaipur, Rajasthan in MLA of 3620 ha.

The PP, vide letter dated 06.10.2015 requested the **Amendments in TOR w.r.t. mining and beneficiation capacity from "1.5 MTPA to 5.0 MTPA" to "1.5 MTPA to 4.0 MTPA" and** extension of validity of TOR, as the submission of final EIA report was delayed due to delay in conducting the Public Hearing.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for two year i.e. **from 01.04.2015 to 31.03.2017.**

### **CONSIDERATION OF TOR**

**(2.88). Mining of Kanda – Sunargaon Soapstone (Minor Mineral) with proposed production capacity of 52,332 TPA (ROM) by Lessee Mrs. Nandita Tiwari, located at village Kanda Sunargaon, Tehsil – Kanda, District Bageshwar, Uttarakhand (MAL: 220.14ha) (Consultant: Environmental Consultant CEMC Pvt. Ltd.)- Consideration of TOR**

The proposed of Lessee Mrs. Nandita Tiwari is for Mining of Kanda – Sunargaon Soapstone (Minor Mineral) with proposed production capacity of 52,332 TPA (ROM) in the mine lease area 220.14ha. The mine is located at village Kanda Sunargaon, Tehsil – Kanda, District Bageshwar, Uttarakhand. The Geographically location of mine lease area is between Latitude 29°49'41.80" N to 29°49'24.10" N and Longitude 79°53'23.00" E to 79°53'53.27" E, covered under SOI Toposheet No. 53 O/13. The mine lease area falls in Village - Kanda Sunargaon, Tehsil - Kanda, District - Bageshwar, Uttarakhand.

Project Proponent has informed that Lease was first executed for a period of 20 years from 16-05-1972 which was expired on 15.05.1992. Second renewal for 10 years from 16.05.1992 was expired on 15.05.2002. Third renewal was applied 07.06.2001 for a period of 20 years and the same is under consideration with the State Government. Mining Plan was approved vide letter no. 614(2)MS-B-13/96-DDN date 13-09-2012 for 5 years period.

Total mine lease area is 220.14ha which is agriculture land. Method of Mining is open cast manual method in agricultural land. The mineral are exploited with the help of spade, crowbar, chisel etc. The inter-burden of low grade magnesite boulders intermixed with in soapstone body will be removed with the help of chisel, crowbar, Hammer etc. Water requirement for human consumption, plantation and dust suppression is 4 KLD, which shall be met from the Pipeline of Uttaranchal Jal Sansthan. The capital cost of the project is 17 lakhs

The Committee noted that the mine is **operating without Environmental Clearance. The Committee deliberated at length and deferred the proposal and is**

**of the view that first PP shall submit the details of production year wise authenticated by State Government to verify the type of violation.**

- (2.89). Soapstone and China Clay by M/s Golcha Minerals Private Ltd., located at Village: Kakrolia, Tehsil: Kotri, Distt.: Bhilwara, Rajasthan (ML Area: 232.5 ha)- Consideration of TOR**

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

- (2.90). Bhiramad Sandstone Mining by M/s Shri Uma Shankar Sharma located at Village: Bhiramad, Tehsil- Baseri, District- Dholpur, Rajasthan (MLA: 263.9979 ha)- Consideration of TOR**

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

- (2.91). Marble Mining Project by Smt. Maya Goyal, located at Village: Kho, Tehsil- Rajgarh, District- Alwar, Rajasthan (MLA 1.0 ha) - Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.92). Marble Mining Project of M/s Shri. B.L. Meena located at Village: Mallana, Tehsil-Rajgarh, District- Alwar, Rajasthan (MLA: 2.24 ha) – Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.93). Marble Mining Project of M/s Shri. B.L. Meena located at Village:Mallana, Tehsil-Rajgarh, District- Alwar, Rajasthan (MLA: 2.023 ha)-Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of**

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

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

**(2.94). Mining of Marble with proposed production capacity 1,70,000 TPA (ROM) by M/s Arpit Marble Pvt. Ltd. located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No.258/92, M. L. Area 2.25 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster.**

The proposal of M/s Arpit Marble Pvt. Ltd. is for Mining of Marble with proposed production capacity 1,70,000 TPA (ROM) in MLA of 2.25 ha. The Mine lease area is located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 04'40.78"N to 27° 04'45.7"N, Longitude: 76°10'56.73"E to 76°11'2.22"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 2.25 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.0 km in NW direction), Kharar Bandh (~5.5 km in NW direction), Arwari River (~ 5.8 km in ENE direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.5 km in ENE direction) found within the study area of mine site.

The mining lease area 2.25 ha which is a Govt. Waste land. The mining lease was originally sanctioned in favor of M/s Oriental Marble dated 26.03.1983. Mining operations suspended by ME, Jaipur as Supreme Court Order & CEC recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on

dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan regarding Resumption of mining activities outside the periphery of 100 meters around the forest /JRS boundary. vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards, mining activities were resumed vide letter no.- ME/ JAI/ CC- 2/ CEC/ PART -7/616 dated 29.09.2010. Title of lease was transferred in favor of M/s Arpit Marble Pvt. Ltd vide order no.- ANIKHA/JAI/Jaipur/M.L.258/92/793 dated 28.06.2011.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of Mines & Geology Khanij Bhawan, Jaipur vide letter no. SME/JP/M.S/70/2009/1417 dated 11.06.2010. Mining will be carried through opencast semi mechanized method. The excavation is by hydraulic excavator, jack hammer and loading by tippers. Blasting will be carried out only as and when required. Bench height will be 6 m & width is not less than 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lakhs and cost for Environmental Protection Measures is Rs. 0.50 Lakh, cost CSR is Rs. 1.0 Lakh per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report;** Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.95). Mining of Limestone with proposed production capacity 1,77,800 TPA (ROM) by M/s Arpit Marble Pvt. Ltd., located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No. 610/93, ML Area- 3.44 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784**

## **ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of M/s Arpit Marble Pvt. Ltd. is for Mining of Marble with proposed production capacity 1,77,800 TPA (ROM) in MLA of 3.44 ha. The Mine lease area is located at village- Sankotra, Tehsil–Jamwa Ramgarh, District–Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 4'42.11"N to 27° 4'54.66"N, Longitude: 76°10'49.89"E to 76°10'54.34"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 3.44 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.8 km in ENE direction), Dantli Bandh (~6.0 km in NW direction), Arwari River (~6.0 km, East), Banganga River (~9.6 km, SW), Kharar Bandh (~5.5 km, WNW) found within the study area of mine site.

The mining lease area of 3.44 ha which is a Govt. Waste land. The mining lease was originally sanctioned in favor of M/s Rajasthan Khanij Agency dated 09.07.1984. Mining operations were suspended as per Supreme Court Order & CEC Recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards, mining activities were resumed vide letter no. ME/ JAI/ CC- 2/ CEC/ PART 7/655 dated 12.10.2010. Title of lease was transferred in favor of M/s Arpit Marble Pvt. Ltd. on dated 12.12.2012.

Mining Plan with Progressive Mine Closure Plan has been approved by Superintending Mining Engineer Jaipur, Jaipur Circle vide letter no. SME/Jai/S. M. Scheme/P 401/14/1215 on dated 01.04.2015. Mining will be carried through opencast semi mechanized method. The excavation is by hydraulic excavator, jack hammer and loading by tippers. Blasting will be carried out only as and when required. Bench height will be 6 m & width is not less than 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lakhs and cost for Environmental Protection Measures is Rs. 0.50 Lakh, cost CSR is Rs. 0.90Lakh per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.96). Mining of Marble with proposed production capacity 32,500 TPA (ROM) by M/s. Arpit Marble Pvt. Ltd., located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No.91/95, ML Area- 1.0 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of M/s Arpit Marble Pvt. Ltd. is for Mining of Marble with proposed production capacity 32,500 TPA (ROM) in MLA of 1.0 ha. The Mine lease area is located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27°04'58.18" N to 27°05'8.25" N , Longitude- 76°10'0.22" E to 76°10'11.79" E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 1.0 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.5 km in NW direction), Banganga River (~9.6 km in SW direction), Kharar Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Arwari River (~6.0 km in East direction)., Rayanwala Bandh (~3.8 km in ENE direction) found within the study area of mine site.

The mining lease area of 1.0 ha. No forest land involved in the mine site. The mining lease was originally granted in favor of M/s Khusbhu marbles Sole. Prop. Smt. Tej Kanwar Goyal W/o Shri Nagar Mal Goyal , vide letter no. ME/Jai/ CC-M/ dated 08.07.1986. The transfer agreement was executed on 22.01.2013 At the ML-91/95/1136-1140 dated 13.01.1997 for 20 years. The lease deed was executed on 20.01.1997 and registered on 24.01.1997. Mining operations suspended by ME, Jaipur as Supreme Court Order & CEC recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary. vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Mining activities were resumed after getting letter from Govt. of Rajasthan vide letter No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Thereafter the lease was transferred in favour of M/s Arpit Marble Pvt. Ltd. Vide letter no. ME/Jai/CC-2/ML-91/95/598-600 dated 21.12.2012.

Mining will be carried through opencast semi mechanized method. The excavation is by hydraulic excavator, jack hammer and loading by tippers. Blasting will be carried out only as and when required. Bench height will be 6 m & width is not less than 6 m. Total water requirement will be 8.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lacs and cost for Environmental Protection Measures is Rs. 0.50 Lakh, cost CSR is Rs. 1.00 Lakh per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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



**(2.97). Mining of Limestone with proposed production capacity 1,40,000 TPA (ROM) by M/s Arpit Marble Pvt. Ltd., located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District- Jaipur (Rajasthan) [ML No.44/1994, M. L. Area 1.3223 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster.**

The proposal of M/s Arpit Marble Pvt. Ltd. is for Mining of Limestone with proposed production capacity 1,40,000 TPA (ROM) in MLA of 1.3223 ha. The Mine lease area is located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 5'11.56"N to 27° 5'8.84"N, Longitude: 76°11'6.63"E to 76°11'10.20"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 1.3223 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.0 km in NW direction), Kharar Bandh (~5.5 km in NW direction), Arwari River (~ 5.8 km in ENE direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.5 km in ENE direction) found within the study area of mine site.

The mining lease area of 1.3223 ha which falls in Govt. Waste land. The mining lease was originally sanctioned in favor of Shri Satish Chand Sharma on dated 08.08.1984. The title of the lease was transferred in favor of Shri Anand Prakash Goyanka dated 07.05.1996. Mining operations were suspended as per supreme court order & CEC Recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. As per the said order, mining activities resumed vide letter no. ME/ JAI/ CC- 2/ CEC/ PART 6/ 328 dated 21.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010, Afterwards, mining activities were resumed vide letter no. ME/ JAI/ CC- 2/ CEC- PART 7/ 141 dated 20.04.2010. Title of lease was again transferred in favor of M/s Arpit Marble Pvt. Ltd. dated 28.10.2010.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur vide letter no.

SME/JP/M.Plan/512/14/1453 dated 22.04.2015. Mining will be carried through opencast semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 8.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lakhs and cost for Environmental Protection Measures is Rs. 0.70 Lakh, cost CSR is Rs. 1.0 Lakh per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.98). Mining of Marble with proposed production capacity 1,80,000 TPA (ROM) by M/s Arpit Marble Pvt. Ltd., located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [M.L. No.72/01, M.L. Area- 1.0 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster.**

The proposal of M/s. Arpit Marble Pvt. Ltd. is for Mining of Marble with proposed production capacity 1,80,000 TPA (ROM) in MLA of 1.0 ha. The Mine lease area is located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27°04'40.72" N to 27°04'45.7" N, Longitude- 76°10'56.72" E to 76°11'02.22" E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 1.0 ha falls in a cluster of "Jaipur-

Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.8 km in ENE direction), Dantli Bandh (~6.0 km in NW direction), Arwari River (~6.0 km, East), Banganga River (~9.6 km, SW), Kharar Bandh (~5.5 km, WNW) found within the study area of mine site.

The mining lease area of 1.00 ha. No forest land involved in the mine site. The mining lease for Marble was granted over 1.0 ha area in favor of Shri Satish Chand Sharma S/o Shri Mool Chand Sharma for 10 years dated 03.04.1991. The mining lease was first renewed in favor of Shri Anand Praksh Goyanka S/o Shri Hari ram Goyanka, vide letter no. ME/Jai/ CC-I/ML-72/2001/416-422 dated 28.04.2003 for 20 years. The lease deed was executed on 11.07.2003 and registered on 03.09.2003. Thereafter the lease was transferred in favor of Shri Pramod Gupta S/o Shri Vinay Kumar Gupta on dated 04.08.2004. The transfer agreement was executed on 21.08.2004 and registered on 29.11.2004. Mining operations were suspended as per Supreme Court order & CEC Recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards mining activities were resumed vide letter no. ME/ JAI/ CC- 2/ CEC/ PART 7/99 dated 20.04.2010. Thereafter the lease was again transferred in favour of M/s Arpit Marble Pvt. Ltd. Vide letter no. ME/Jai/CC-2/ML-72/2001/229-231 dated 17.05.2011.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur vide letter no. SME/JP/M.S/590/14/1674 on dated 08.05.2015. Mining will be done by opencast semi-mechanized method, for the systematic working, benching will be done. Conventional tools with wire saw will be used for block mining. The drilling will be done with compressor and jack hammer, drilling holes of 32 mm dia. The blasting is required only for removing waste rock. Total water requirement will be 8.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lacs and cost for Environmental Protection Measures is Rs. 0.50 Lakh, cost CSR is Rs. 1.0 Lakh per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.99). Mining of Marble with proposed production capacity 41,000 TPA (ROM) by M/s Shri Marbles, located at village- Dhaniwara, Tehsil–Jamwa Ramgarh, District–Jaipur, Rajasthan [ML No.M. L. No. 280/94, M. L. Area 1.0 ha in a cluster of “Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of M/s Shri Marbles is for Mining of Marble with proposed production capacity 41,000 TPA (ROM) in MLA of 1.0 ha. The Mine lease area is located at village-Dhaniwara, Tehsil–Jamwa Ramgarh, District–Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27°04'40.68" N to 25°04'48.9" N, Longitude: 76°10'56.72" E to 76°11'6" E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 1.0 ha falls in a cluster of “Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgarh Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.5 km in NW direction), Arwari River (~6.0 km in East direction), Kharar Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.8 km in ENE direction) found within the study area of mine site.

The mining lease area of 1.0 ha which is a Govt. Waste land. No forest land involved in the mine site. The Mining Lease was granted in favor of M/s Shri Marbles dated 03.08.1995 & got registered on 26.08.1995. Mining operations suspended as per Supreme Court order & CEC Recommendation dated 30.05.2003. Forest Department, Govt of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary. vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Mining activities resumed outside the 100 m periphery vide letter no. ME/JAI/CC-2/CEC/Part-6 dated 20.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards, mining activities were resumed vide letter no. ME/JAI/CC-2/CEC-Part-7/796 dated 23.12.2010.

Mining Scheme has been approved by Superintending Mining Engineer Jaipur, Jaipur Circle vide letter no. SME/JP/MP/91/10 on dated 02.11.2010. Mining will be carried through opencast semi mechanized method. The excavation is by hydraulic excavator, cranes, wire saw, jack hammer and loading by tippers. Blasting will be carried out only as and when required. Bench height will be 6 m & width is not less than 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 30 Lacs and cost for Environmental Protection Measures is Rs. 0.80 Lac, cost CSR is Rs. 1.0 Lacs per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report;** Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.100). Marble Mining Project of M/s Shri Radhey Shyam Gupta, located at Village: Gordhanpura, Tehsil- Rajgarh, District- Alwar, Rajasthan (MLA: 1.0 ha)- Consideration of TOR**

The Project Proponent has informed to the Committee that this instant project is less than 5 ha for mining of minor mineral and this lease is a part of cluster and accordingly the Project Proponent has submitted online application for consideration of TOR to the Ministry treating it is a Category 'A' project as the Sanctuary is located within 5 km radius of the mine lease.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.101). Mining of Marble with proposed production capacity 30,500 TPA (ROM) by M/s Vardhman Marble, located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [M.L. No.121/96, M.L. Area- 0.638 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 aha having one MLA > 50ha] - (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster.**

The proposal of M/s Vardhman Marble is for Mining of Marble with proposed production capacity 30,500 TPA (ROM) in MLA of 0.638 ha. The Mine lease area is located at village- Dhaniwara, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 4.777'N to 27° 4.750'N, Longitude- 76° 11.162'E to 76° 11.171'E on Survey of India Toposheet No. 54 A/4. The Project Proponent

reported that the instant mine lease area of 0.638 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.5 km in NW direction), Arwari River (~6.0 km in East direction), Kharar Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.8 km in ENE direction) found within the study area of mine site.

The mining lease area of 0.638 ha. No forest land involved in the mine site. The lease was originally sanctioned in favor of Shri Som Prakash vide letter No. ME/JP/CC-2/M.L.269/85/609-612 dated 28.03.1986 for the period of 10 years & got registered on 30.09.1986. The title was transferred in favor of M/s Vardhman Marble vide order No. ME/JP/CC-2/M.L.269/85/2257 dated 19.10.1994. The rider agreement was executed dated 08.11.1994 and transfer came into force 08.11.1994. The first renewal was sanctioned vide letter No. ME/JP/CC-2/ML121/96/438 dated 20.08.2001. Mining operations were suspended as per Supreme Court order & CEC Recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. As per the said order, mining activities resumed vide letter dated 21.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards, mining activities were resumed vide letter no ME/Jai/CC-2/CEC Part 7/209 dated 21.04.2010.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur vide letter no. SME/JP/MS/351/2015/51 dated 07.01.2016. Mining will be carried through opencast semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lacs and cost for Environmental Protection Measures is Rs. 0.55 Lac, cost CSR is Rs. 0.96 Lac per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the**

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

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

**(2.102). Sand Stone Mining Project of M/s Shree Shyam Stone Crusher located at village - Sirrond, Tehsil - Roopwas, District-Bharatpur, Rajasthan (MLA: 5.00 ha)- consideration of TOR**

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned about Preparation of District Survey Report; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.103). Mining of Marble & Limestone with proposed production capacity 36,400 TPA (ROM) by Smt. Magan Devi W/o Shri P.R. Meena located at village- Rayanwala, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No. 105/2001, Area 2.25 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] - (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster.**



The proposal of Smt. Magan Devi W/o Shri P.R. Meena is for Mining of Marble & Limestone with proposed production capacity 36,400 TPA (ROM) in MLA of 2.25 ha. The Mine lease area is located at village- Rayanwala, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude -27°05'14.6" N to 27°05'18.5" N, Longitude- 76°12'22.2" E to 73°12'23.6" E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 2.25 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 2 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~6.2 km in NW direction), Sainthal Sagar (~7.0 km in SE direction), Rayanwala Bandh (~ 1.5 km in NE direction), Arwari River (~3.5 km, ENE), Kharar Bandh (~7.0 km, WNW) found within the study area of mine site.

The mining lease area of 2.25 ha. No forest land involved in the mine site. The lease was originally sanctioned in favor of Smt. Magan Devi W/o Shri P.R. Meena dated 14.03.2002 for 20 years. Permission of the inclusion of Marble in Lime stone mine vide letter No. ME/JAI/CC/M.L. 105/ 2001/ 36266 dated 04.04.2002. Mining operations suspended by ME, Jaipur as Supreme Court Order & CEC recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary. vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards, mining activities were resumed vide letter no.- ME/JAI/CC-2/CEC-Part-7/313 dated 03.05.2010.

Mining Plan with progressive Mine Closure Plan has been approved by Superintending Mining Engineer, Jaipur Circle, Jaipur vide letter no. SME/JP/MP/ 46/2015/2611 dated 03.07.2015. Mining will be carried through opencast semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 30 Lacs and cost for Environmental Protection Measures is Rs. 0.70 Lac, cost CSR is Rs. 1.00 Lacs per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the**

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

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

**(2.104). Mining of Marble with proposed production capacity 78,500TPA (ROM) by M/s Prem Nath Bansal & Company, located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No.67/96, ML Area- 0.90 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of M/s Prem Nath Bansal & Company is for Mining of Marble with proposed production capacity 78,500TPA (ROM) in MLA of 0.90 ha. The Mine lease area is located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 5'9.05 N to 27° 5'12.33"N, Longitude : 76°11'3.02"E to 76°11'6.33"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 0.90 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.0 km in NWW direction), Arwari River(~5.8 km in ENE direction), Kharar Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.5 km in ENE direction) found within the study area of mine site.

The mining lease area of 0.90 ha. No forest land involved in the mine site. The mining lease was originally granted in favor of Smt. Saroj Sharma order dated 30.08.86. The lease registered on 02.02.1987. Thereafter the lease was transferred in favour of Shri Prem Nath Bansal order dated 07.03.1990. The transfer agreement was registered on 12.04.1990.

Thereafter first renewal of lease was granted in favour of M/s Prem Nath Bansal & Company, vide order no. ME/ Jai/ ML 67/96/ /165-169 dated 15.04.96. Mining operations were suspended as per Supreme Court order & CEC Recommendation dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. As per the said order, mining activities resumed vide letter no. ME/JAI/CC-2/CEC/Part-6/240 dated 21.08.2008 followed by letter no. ME/Jai/CC-2/CEC Part 6/ML-67/96/412 dated 20.10.2008.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur vide letter no. SME/JP/MS/82/2015/1791 on dated 22.05.2015. Mining will be carried through opencast semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lacs and cost for Environmental Protection Measures is Rs. 0.55 Lac, cost of CSR is Rs. 0.80 Lac per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.105). Mining of Marble with proposed production capacity 79,000 TPA (ROM) by Smt. Chandra Kanta Bansal W/o Shri Prem Nath Bansal, located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No.76/95, ML Area- 0.50 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with**

**total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of Smt. Chandra Kanta Bansal W/o Shri Prem Nath Bansal is for Mining of Marble with proposed production capacity 79,000 TPA (ROM) in MLA of 0.50 ha. The Mine lease area is located at village- Sankotra, Tehsil–Jamwa Ramgarh, District–Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 5'9" N to 27° 5'12.26"N, Longitude :76°11'10.28"E to 76°11'6.13"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 0.50 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.0 km in NWW direction), Arwari River (~5.8 km in ENE direction), Kharar Bandh (~5.5 km in NW direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.5 km in ENE direction) found within the study area of mine site.

The mining lease area of 0.50 ha. No forest land involved in the mine site. The mining lease was originally sanctioned in favor of Shri Kesar Lal Sharma dated 11.03.1986. The lease period came into force w.e.f. 08.07.1986 for 10 years. The title was again transferred in favor of M/s Techno (Hind) Marble & Granite Pvt. Ltd. Vide letter No. ME/JAI/CC-M/M.L/135/85/1405-1407 dated 07.07.1994. The lease was first renewed on 08.11.1996 for 20 years. Thereafter the lease was transferred in favor of Smt. Chandra Kanta Bansal W/o Shri Prem Nath Bansal vide letter no. ME/JAI/CC-2/M.L.76/95/352-354 dated 11.05.2010. Mining operations were suspended as per supreme court order & CEC Recommendation vide letter dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. As per the said order, mining activities resumed vide letter no. ME/JAI/CC-2/CEC/Part-6/208 dated 21.08.2008. Govt. of Rajasthan again issued letter regarding the matter vide No. P.2(2)Khan/Group-2/2000-Part Jaipur dated 19.04.2010. Afterwards, mining activities were resumed vide letter no. ME/Jai/CC-/CEC-Part 1/251 dated 26.04.2010.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur Vide letter no. SME/JP/MS/82/2015/1791 on dated 22.05.2015. Mining will be carried through opencast

semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 8.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 40 Lacs and cost for Environmental Protection Measures is Rs. 0.50 Lac, cost CSR is Rs. 1.00 Lacs per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.106). Mining of Marble with proposed production capacity 96,000 TPA (ROM) by M/s Agarwal Marble Center (P) Ltd., located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No.69/93, ML Area- 1.0 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of M/s Agarwal Marble Center (P) Ltd. is for Mining of Marble with proposed production capacity 96,000 TPA (ROM) in MLA of 1.0 ha. The Mine lease area is located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur (Rajasthan). The geographical extents of mining lease area are: Latitude: 27° 05'04.16"N to 27° 05'94 N, Longitude: 76°11'3.09"E to 76°11'06.76"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 1.0 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.0 km in NW direction), Kharar Bandh (~5.5 km in NW direction), Arwari River (~ 5.8 km in ENE direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.5 km in ENE direction) found within the study area of mine site.

The mining lease area of 1.0 ha. No forest land involved in the mine site. The lease was originally sanctioned in favour of Smt. Kanwari Devi patni W/o Shri Ratan Lal Patni vide letter no. ME/JP-CC-2/69/93/465 dated 10.02.1994. The execution of lease was done on dated 14.02.1994. The Mining lease has been transferred in favour of M/s Agarwal Marble Center (P) Ltd, 2 Gha 9, Jawahar nagar, Jaipur vide order dated 25.02.2003 and transfer agreement was registered on 17.04.2003. Mining operations were suspended vide letter no. ME/Jai/Jamwaramgarh/S.M.N/03/558 dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 followed by Oct. 2012 & May 2015. The matter is still under consideration before Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest/JRS boundary vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. As per the said order, mining activities allowed after leaving a gap of 100 m from forest line vide letter no. ME/JAI/CC-2/CEC/Part-6/260 dated 21.08.2008 followed by ME/Jai/CC-2/CEC part 6/ML-69/93/425 dated 21.10.2008.

Mining Scheme has been approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur vide letter no. SME/JP/MP/93/2015/1902 dated 25.05.2015. Mining will be carried through opencast semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 50 Lacs and cost for Environmental Protection Measures is Rs. 0.50 Lac, cost CSR is Rs. 1.00 Lacs per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report;** Categorisation of mining

project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

**(2.107). Mining of Marble with proposed production capacity 86,400 TPA (ROM) by M/s Agarwal Marble Center (P) Ltd., located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan [ML No.70/93, ML Area- 1.9820 ha in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total 114.6784 ha having one MLA > 50ha] – (Consultant: J.M. EnviroNet Pvt. Ltd.)- Consideration of TOR in cluster**

The proposal of M/s Agarwal Marble Center (P) Ltd. is for Mining of Marble with proposed production capacity 86,400 TPA (ROM) in MLA of 1.9820 ha. The Mine lease area is located at village- Sankotra, Tehsil-Jamwa Ramgarh, District-Jaipur, Rajasthan. The geographical extents of mining lease area are: Latitude: 27° 4'55.35"N to 27° 5'94 N, Longitude : 76°10'58.37"E to 76°11'6.16"E on Survey of India Toposheet No. 54 A/4. The Project Proponent reported that the instant mine lease area of 1.9820 ha falls in a cluster of "Jaipur-Jamwa Ramgarh no. 20 comprising of 31 mining lease with total area of 114.6784 ha having one MLA > 50ha.

Project Proponent reported that there is no National Parks, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves falls within 10 km radius study area of mine site & Jamwa Ramgrah Wild Life Sanctuary is ~100 m away from the mine boundary. There are 12 Reserved Forests and 3 Protected Forests exist within 10 km radius study area of the mine site. Dantali Bandh (~5.0 km in NW direction), Kharar Bandh (~5.5 km in NW direction), Arwari River (~ 5.8 km in ENE direction), Sainthal Sagar (~8.0 km in SE direction), Rayanwala Bandh (~ 3.5 km in ENE direction) found within the study area of mine site.

The mining lease area of 1.9820 ha. No forest land involved in the mine site. The lease was originally sanctioned in favour of Smt. Kanwari Devi Patni W/o Shri Ratan Lal Patni Vide letter no. ME/JP-CC-2/70/93/471-476 on 10.02.1994. The execution of lease was done on dated 14.02.1994. The Mining lease has been transferred in favour of M/s Agarwal Marble Center (P) Ltd, 2 Gha 9, Jawaharnagar, Jaipur vide order dated 28.02.2003 and transfer agreement was registered on 17.04.2003. Mining operations suspended by vide letter no. ME/Jai/Jamwaramgarh/S.M.N/03/557 dated 30.05.2003. Govt. of Rajasthan submitted an affidavit regarding Resumption of mining activities outside the periphery of 100 meters around the forest boundary/ JRS boundary on dated 11.08.2008 and followed by

October 2012 & May 2015. The matter is still under consideration before the Hon'ble Supreme Court for the proceedings. Afterwards, State Govt. of Rajasthan issued an order regarding Resumption of mining activities outside the periphery of 100 meters around the forest / JRS boundary. vide letter no. F2 (2) Mines/Gr.2/2000 dated 14.08.2008. Mining activities were allowed after leaving a gap of 100 m from forest/JRS line vide letter no. ME/JAI/CC-2/CEC/Part-6/261 dated 21.08.2008 followed by ME/Jai/CC-2/CEC part 6/ML-70/93/438 dated 21.10.2008.

Mining Scheme approved by the Superintending Mining Engineer, Jaipur Circle, Jaipur, Department of mines & Geology Khanij Bhawan, Jaipur vide letter no. SME/JP/MP/92/2015/1966 dated 01.06.2015. Mining will be carried through opencast semi mechanized method. Blasting will be carried out only as and when required. Bench height will be 6 m & width 6 m. Total water requirement will be 10.0 KLD which will be met through tanker supply from nearby villages. The estimated cost of the project is Rs. 55 Lakhs and cost for Environmental Protection Measures is Rs. 1.00 Lakh, cost CSR is Rs. 1.10 Lakh per annum.

The Member Secretary has apprised to the Committee that the Ministry of Environment, Forest and Climate Change has published a Draft Notification vide SO no. 2588 (E) dated 22<sup>nd</sup> September 2015 on the Environmental Clearance for mining of minor minerals inviting comments from the Public. Based on the comments received, **the Ministry has notified the amendments in EIA Notification, 2006 in the Gazette of India, vide SO No. 141 (E) on 15.01.2016 and the constitution of District Level Environment Impact Assessment Authority (DEIAA)/District Level Expert Appraisal Committee (DEAC) vide SO No. 190 (E) on 20.01.2016.** The Notification *inter-alia* mentioned **Preparation of District Survey Report**; Categorisation of mining project into category 'A', 'B1' and 'B2' w.r.t. mining of minor minerals; procedure of handling of proposals if the mine leases are located in a cluster and monitoring mechanism.

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

The meeting ended with the vote of thanks to the Chair.

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**Standard Terms of Reference (TOR)**

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects

falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).

- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season) ; December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM<sub>10</sub>, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission

from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

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

- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
  - a) All documents to be properly referenced with index and continuous page numbering.
  - b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
  - d) Where the documents provided are in a language other than English, an English translation should be provided.
  - e) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
  - f) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II(I) dated 4<sup>th</sup> August, 2009, which are available on the website of this Ministry, should be followed.
  - g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
  - h) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
  - i) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

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**List of Participants**

1.	Dr.Ajai Kumar	Chairman
2.	Shri B Ramesh Kumar	Member
3.	Prof. Dr. K.S. Rana	Member
4.	Prof. A. K. Bhatnagar,	Member
5.	Dr. N. C. Karmakar	Member
6.	Prof. S. Ramakrishna Rao	Member
7.	Dr. Tushar Kant Joshi	Member
8.	Shri Santosh Gupta	Member
9.	Dr.HimanshuPathak	Member
10.	K.S Yadav, Representative of Mines Ministry	Member
11.	Dr U. Sridharan,	Member Secretary

**List of Representatives of the Project Proponents**

1. Representative of **M/s Chandel Associates**
2. Representative of **M/s ShriGurmit Singh**
3. Representative of **M/s ShyamJaina Ram**
4. Representative of **M/s DSP Associates**
5. Representative of **M/s Dahiya Traders**
6. Representative of **M/s Anand Singh and Company**
7. Representative of **M/s Ex-Servicemen Welfare Association**
8. Representative of **M/s Godawari Power &Ispat Ltd**
9. Representative of **M/s Steel Authority of India Limited**
10. Representative of **M/s Trimex Ores Private Limited**
11. Representative of **M/s Gimpex A P Barytes Beneficiation Pvt. Ltd.**
12. Representative of **M/s Lafarge indiapvt. Ltd**
13. Representative of **M/s Monnet Ispat& Energy Ltd.**
14. Representative of **M/s Katyayni Contractors Pvt Ltd**
15. Representative of **M/s Sainik Food Pvt. Ltd**
16. Representative of **M/s P.S. Buildtech**
17. Representative **of M/s Chhattisgarh Mineral Development Corporation Limited**
18. Representative of **M/s Elite Mining Corporation**
19. Representative of **M/s. UltraTech Cement Ltd.**
20. Representative of **M/s Associated Limestone Ltd.**
21. Representative of **M/s Cement Manufacturing Company Ltd**
22. Representative of **M/s Uttarakhand Forest Development Corporation**
23. Representative of **M/s Surya Associates**
24. Representative of **M/s Abhimanyu Choudhary**
25. Representative of **LesseeShri Riaz Ahmad Panjra**
26. Representative of **Lessee Smt. Manju Sharma**
27. Representative of **Lessee Shri Matadeen Sharma**
28. Representative of **M/s Rama Marble Udhyog**

29. Representative of **M/s Shri Ramphool Meena**
30. Representative of **M/s Tahla Ram & Sons**
31. Representative of **M/s Anil Minerals**
32. Representative of **M/s Shri Bhagwan Dass Chandna**
33. Representative of **M/s Vijay Kumar Sharma**
34. Representative of **M/s Bikaner Clays & Chemicals**
35. Representative of **M/s FCI Aravali Gypsum and Minerals India Ltd**
36. Representative of **M/s Shri Vijay Jangid**
37. Representative of **M/s Prism Cement Ltd.**
38. Representative of **M/s Manjeet Chawla**
39. Representative of **lessee Shri Narottam Singh Jadaun**
40. Representative of **M/s Paarasmal Ghanchi**
41. Representative of **M/s Shekhawat Associates**
42. Representative of **M/s Jai Chand Lal Daga**
43. Representative of **M/s Prem Lata Gupta**
44. Representative of **M/s Jai Shankar Mines and Minerals**
45. Representative of **M/s Sampat Lal Daga**
46. Representative of **M/s. Hindustan Zinc Ltd**
47. Representative of **Lessee Mrs. Nandita Tiwari**
48. Representative of **Smt. Maya Goyal**
49. Representative of **M/s Shri. B.L. Meena**
50. Representative of **M/s Arpit Marble Pvt. Ltd**
51. Representative of **M/s Shri Marbles**
52. Representative of **M/s Shri Radhey Shyam Gupta**
53. Representative of **M/s Vardhman Marble**
54. Representative of **M/s Shree Shyam Stone Crusher**
55. Representative of **Smt. Magan Devi**
56. Representative of **M/s Prem Nath Bansal & Company**
57. Representative of **Smt. Chandra Kanta Bansal**
58. Representative of **M/s Agarwal Marble Center (P) Ltd**

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