

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

SUMMARY RECORD OF 32nd MEETING OF THE RECONSTITUTED COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS CONSTITUTED UNDER EIA NOTIFICATION, 2006.

The 32nd 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 **April 29-30, 2015**. The list of participants is annexed.

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

Item No. 1:

(1). Circulation of the Minutes of the 31th EAC Meeting

The Minutes of the 31th Meeting of EAC held during **March 16-18, 2015** were circulated.

Day 1: 29th April, 2015 (Wednesday)

Agenda Item No. 1:

Consideration of Environmental Clearance Proposals

(2.1): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Jakhan (Lot No. 13/2) with proposed production capacity of 7,00,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at Village-Majrigrant, Tehsil-Rishikesh, District-Dehradun, Uttarakhand (MLA 92.652 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 7,00,000 TPA (ROM). The mine lease area is located at Village-Majrigrant, Tehsil: Rishikesh and District: Dehradun, Uttarakhand in the mine lease area of 92.652ha. The mine lease area lies on Jakhan River bed. The Latitudes and Longitudes of the mine lease area lies between 30° 9'30.98"N to 30° 6'13.19"N and 78° 9'54.90"E to 78° 9'40.13"E on Survey of India topo-sheet numbers 53J-04. The Project is located in Seismic zone-IV. It is Category 'A'

Project due to the mine lease area lying within the prescribed area of Doon Valley and the Rajaji National Park falls within the study area i.e. 3.5 km in SW direction. Interstate boundary between Uttarakhand and Uttar Pradesh is also present within the 10km radius of the study area.

The proposal of TOR was considered by the Expert Appraisal Committee in its 8th Meeting held during 26th June - 28th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/138/2013-IA. II (M), dated 16th September, 2013. The Proponent submitted the EIA /EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 92.652 ha which is on Jakhan River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 92.652 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 23.01.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1348/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 84.77ha area will be used for excavation and 7.882ha will be left as no mining zone/safety distance (bank stability area). The site elevation is 489m – 460m AMSL. The Ground water depth is 4.5m bgl in pre-monsoon season and 3.8m bgl in post-monsoon season. The total water requirement is 5.0 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 312 number of trucks will be deployed per day (10 tonnes capacity each) which increase 936 PCUs per day and the level of service (LOS) changes from "A" to "B". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at all the sensitive places.

Project Proponent reported that the mine lease area lies within the Doon Valley and Rajaji National Park falls within the study area i.e. 3.5 km in SW direction. Seven Reserved Forests are reported in the study area. There are four Schedule one species namely: Indian Elephant, Common Leopard, Common Peafowl, and Indian Rock Python. these are reported in the buffer zone of the mine lease area. The Project Proponent reported that assistance will be given to the Wildlife Forest Division, Dehradun to implement the Management Plan for the Schedule I species of Rajaji National Park published by Forest Department Uttarakhand. Project Proponent has forwarded their application to Wildlife Warden on 22.04.2014 for obtaining NBWL Clearance which is under process for approval.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan is applicable for this Project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 01.08.2014 at 2.00 pm at Mahila Swasthaya Karyakarti Prashikshan Kendra Ranipokhri, Near Jakhan Bridge, Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that Project Proponent needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs. 15.0 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 6.81 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1,00,000 per annum have been earmarked towards CSR activities for next five years of mining operation. Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 7,00,000 TPA (ROM) in the MLA 92.652 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to

have a check over any disaster to warn workers well before for the safety of the workers. Emergencyhelpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.2): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Tons (Lot No. 3/11) with proposed production capacity of 85,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village-Archadia Grant, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand(MLA 11.10ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 85,000 TPA (ROM). The mine lease area is located at Village-Archedia Grant, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 11.10 ha. The mine lease area lies on Tons River bed. The Latitudes and Longitudes of the mine lease area lies between 30°20'27.91"N to 30°20'30.01"N and 77°56'44.85"E to 77°57'16.53"E on Survey of India toposheet numbers 53F-15. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 8th Meeting held during 26th June - 28th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/119/2013-IA.II (M), dated 22nd August, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 11.10ha which is Tons River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 11.10ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 23.01.2013 for the period of 5 year. The Mining Plan is approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1342/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 8.23ha area will be used for excavation and 2.87ha for the others (bank stability area). The site elevation is 564m – 567m AMSL. The Ground water depth is 4m bgl in pre-monsoon season and 3.5m bgl in post-monsoon season. The total water requirement is 1.15 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 38 number of trucks will be deployed per day (10 tonnes capacity each) which increase 228 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley which is an eco-sensitive area. Interstate boundary between Uttarakhand and Uttar Pradesh is present (approx.

9km in SW) within 10 km radius of the lease area. Seven Reserved Forest are reported in the study area. There is no Schedule-I species reported in the study area.

The baseline data was generated for the period during October 2013 to December 2013. The Project Proponent reported that parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 26.08.2014 at 12.00 pm at Sector Office Mining Project of GMVNL, Shuddhowala Chock, Dehradun. The Public Hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that Project Proponent 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. 11.70 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 3.51 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 58,000 per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent reported that parameters for water and air quality were within permissible limits. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Tons with proposed production capacity of 85,000 TPA (ROM) in the MLA 11.10 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken

accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.3): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Noon (Lot No. 8/3) with proposed production capacity of 90,000 TPA (ROM) by M/s GarhwalMandalVikas Nigam (GMVN) Limited, located at Village: Harnaul and Ghangora, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand (MLA 10.36ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s GarhwalMandalVikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 90,000 TPA (ROM). The mine lease area is located at Village: Harnaul and Ghangora, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 10.36 ha. The mine lease area lies on Noon River bed. The Latitudes and Longitudes of the mine lease area lies between 30°22'38.10"N to 30°22'11.05"N and 78° 0'47.45"E to 78° 0'36.34"E on Survey of India toposheet numbers 53J/03. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22th July - 24th July, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/166/2013-IA.II (M), dated 13th September, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 10.36ha which is on Noon River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 10.36ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 18.04.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1346/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that out of whole granted lease 9.04 ha will be used for excavation and 1.32ha will be left as safety zone (bank stability area/no mining area). The site elevation is 647m – 655m AMSL. The Ground water depth is 4m bgl in pre-monsoon season and 3m bgl in post-monsoon season. The total water requirement is 1.80 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 40 no. of trucks will be deployed per day (10 tonnes capacity each) which increase 240 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley which is an eco-sensitive area. Twelve Reserved Forest are reported in the study area.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 06.08.2014 at 11.00 pm at Rajkiya Prathmik Vidyalaya, Jamuunawala, Gram Sabha Gujrada, Karanpur, Vikaskh and Shashpur, Janpad Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made an 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. 11.85 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 5.51 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 59,250 per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Noon with proposed production capacity of 90,000 TPA (ROM) in the MLA 10.36 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with

the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.4): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Noon (Lot No. 8/4) with proposed production capacity of 2,00,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village(s)-Gujrada, Karanpur, Gujrada Fulsadi & Vilaspur Kandli Tehsil-Vikasnagar, District-Dehradun, Uttarakhand (MLA 21.668ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 2,00,000 TPA (ROM). The mine lease area is located at Village(s)-Gujrada Karanpur, Gujrada Fulsadi & Vilaspur Kandli, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 21.668 ha. The mine lease area lies on Noon River bed. The Latitudes and Longitudes of the mine lease area lies between 30°21'7.49"N to 30°22'14.27"N and 77°59'18.85"E to 78°0'31.14"E on Survey of India toposheet numbers 53J/03. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22nd July - 24th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/187/2013-IA.II (M), dated 12th September, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 21.668ha which is Noon River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 21.668ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 18.04.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1345/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Channel whichever is reached earlier. Proponent informed that 20.545ha area will be used for excavation and 1.123ha will be left as no mining zone/safety distance (bank stability area). The site elevation is 620m – 630m AMSL. The Ground water depth is 4m bgl in pre-monsoon season and 3.5m bgl in post-monsoon season. The total water requirement is 3.0 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 89 numbers of trucks will be deployed per day (10 tonnes capacity each) which increases 267 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). However, the project site lies within Doon Valley which is an eco-sensitive area. Interstate boundary between Uttarakhand and Uttar Pradesh is present (approx. 9km in SW) within 10 km radius of the lease area. Eight Reserved Forest are reported in the study area.

The baseline data was generated for the period during October 2013 to December 2013. The Project Proponent reported that parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 06.08.2014 at 12.30 pm at Rajkiya Prathamik Vidhyalaya, Jamunwala, Gram Sabha, Gujrada Karanpur, Sahaspur Block, Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution

Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 14.90 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 5.91 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1, 00, 000 per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Noon with proposed production capacity of 2,00,000 TPA (ROM) in the MLA 21.668ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment

will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.5): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) River Aasan (Lot No. 14/2) with proposed production capacity of 2,00,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village-Sherpur & Central Hope Town, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand (MLA 21.094 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)- Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 2, 00, 000 TPA (ROM). The mine lease area is located at Village-herpur & Central Hope Town, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 21.094 ha. The mine lease area lies on Aasan River bed. The mine lease area consists of two blocks. The Latitudes and Longitudes of the **Block A** lies between 30°20'40.32"N to 30°20'26.41"N and 77°51'23.32"E to 77°51'48.92"E and **Block B** lies between 30°20'42.28"N to 30°20'21.38"N to 77°51'7.05"E to 77°52'56.43"E on Survey of India toposheet numbers 53F-15. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 8th Meeting held during 26th June - 28th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No J-11015/129/2013-IA.II, dated 22nd August, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 21.094 ha which is Aasan River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 21.094 ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 23.01.2013 for the period of 5 years. The Mining Plan has been approved by the Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1351/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 20.95ha area will be used for excavation and 0.144 ha

for the others (bank stability area). The site elevation is 508m – 512m AMSL. The Ground water depth is 3.5m bgl in pre-monsoon season and 3.0m bgl in post-monsoon season. The total water requirement is 4.0 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 88 numbers of trucks will be deployed per day (10 tonnes capacity each) which increases 528 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley which is an eco-sensitive area. Interstate boundary between Uttarakhand and Uttar Pradesh is present (approx. 8km in SW) within 10 km radius of the lease area. Nine Reserved Forest are reported in the study area.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 11.07.2014 at 2.00 pm at Panchayat Bhawan, Central Hope Town, Selaqui, Vikasnagar, Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The

Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submit to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 14.90 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 4.01 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1,00,000 per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) River Aasan with proposed production capacity of 2,00,000 TPA (ROM) in the MLA 21.094 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final

outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.6): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Jakhan (Lot No. 13/1) with proposed production capacity of 1,70,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village-Ranipokhri, Tehsil-Rishikesh, District-Dehradun, Uttarakhand(MLA 18.00ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 1,70,000 TPA (ROM). The mine lease area is located at Village-Ranipokhri, Tehsil: Rishikesh and District: Dehradun, Uttarakhand in the mine lease area of 18.00ha. The mine lease area lies on Jakhan River bed. The Latitudes and Longitudes of the mine lease area lies between 30°10'50.83"N to 30°11'16.48"N and 78°11'35.39"E to 78°12'0.29"E on Survey of India toposheet numbers 53J-04. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 8th Meeting held during 26th June - 28th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/132/2013-IA.II (M), dated 22nd August, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 18.00ha which is on Jakhan River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 18.00ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 23.01.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1349/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 17.95ha area will be used for excavation and 0.05ha will be left as no mining area/safety zone (bank stability area). The site elevation is 568m – 551m AMSL. The Ground water depth is 4.5m bgl in pre-monsoon season and 3.8m bgl in post-monsoon season. The total water requirement is 2.2 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 76 no. of trucks will be deployed per day (10 tonnes capacity each) which increase 228 PCUs per day and the level of service (LOS) get modified to "B" i.e. Very Good. Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley which is an eco-sensitive area. Six Reserved Forest are reported in the study area

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 01.08.2014 at 11.00 pm at Mahila Swasthaya Karyakarti Prashikshan Kendra Ranipokhri, Near Jakhan Bridge, Dehradun. The Public Hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 14.05 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 3.51 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 70,000 per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Jakhan with proposed production capacity of 1,70,000 TPA (ROM) in the MLA 18.00 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.7): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Tons (Lot No. 3/10) with proposed production capacity of 2.2 Lakhs TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village-Suddhowala & East Hope Town, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand (MLA- 23ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)- Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 2.2 Lakhs TPA (ROM). The mine lease area is located at Village- Suddhowala & East Hope Town, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 23 ha. The mine lease area lies on Tons River bed. The Latitudes and Longitudes of the mine lease area lies between 30°20'17.64"N to 30°20'22.58"N and 77°55'54.590"E to 77°56'46.402"E on Survey of India toposheet numbers 53F/15. The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 15th May - 17th May, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/85/2013-IA.II (M), dated 17th July, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 23ha which lies on Tons River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 23ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 23.01.2013 for the period of 5 year. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter no.1350/Mine Plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 18.4ha area will be used for excavation and 4.6ha will be left as no mining zone/safety zone (bank stability area). The site elevation is 555m – 562m AMSL. The Ground water depth is 4m bgl in pre-monsoon season and 3.5m bgl in post-monsoon season. The total water requirement is 3 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 98 no. of trucks will be deployed per day (10 tonnes capacity each) which increases 294 PCUs per day and the level of service (LOS) changes to "B". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley which is an eco-sensitive area. Interstate boundary between Uttarakhand and Uttar Pradesh is present (approx. 9km in SW) within 10 km radius of the lease area. Twelve Reserved Forest are reported in the study area.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 26.08.2014 at 11.00 am at Sector Karyalaya Khanan, Pariyojana, GMVN Ltd., Shuddhowala Chock, Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submit to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 14.90 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 5.51 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1,00,000 per annum have been earmarked towards CSR activities for next five years of mining

operation. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Tons with proposed production capacity of 2.2 Lakhs TPA (ROM) in the MLA 23.00 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.8): Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Yamuna (Lot No. 23/3) with proposed production capacity of 1,00,000 TPA (ROM) by M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, located at village-Kulhal, Tehsil-Vikasnagar, District-Dehradun, Uttarakhand (MLA 14.97ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)-Consideration of EC

The proposal of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited, Dehradun is for mining of Sand, Bajri and Boulder (Minor Mineral) with proposed production capacity of 1,00,000 TPA (ROM). The mine lease area is located at Village-Kulhal, Tehsil: Vikasnagar and District: Dehradun, Uttarakhand in the mine lease area of 14.97ha. The mine lease area lies on Yamuna River bed. The Latitudes and Longitudes of the mine lease area lies between 30°25'56.26"N to 30°26'3.07"N and 77°36'50.36"E to 77°37'28.45"E on Survey of India toposheet numbers 53F-11 (Site). The Project is located in Seismic zone-IV. It is Category 'A' Project due to the mine lease area lies within extent of Doon Valley.

The proposal of TOR was considered by the Expert Appraisal Committee in its 8th Meeting held during 26th June - 28th June, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/124/2013-IA.II (M), dated 16th September, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 14.97 ha which is Yamuna River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, *Bajri* and Boulder over an area of 14.97ha has been granted by the Director of Mines and Geology Department, Govt. of Uttarakhand, vide letter dated 23.01.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Uttarakhand; vide letter 1347/mine plan, dated 02.01.2015.

Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 1.5 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 11.05ha area will be used for excavation and 3.92ha will be left as no mining zone/safety zone (bank stability area). The site elevation is 378m – 3m AMSL. The Ground water depth is 4m bgl in pre-monsoon season and 3.5m bgl in post-monsoon season. The total water requirement is 2.4 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 15% of the width of the River from both the banks.

Mining will be done only during day time and completely stopped in monsoon season. No mining will be done in the zone of 100m on either side of the structure/bridge. Project Proponent reported that there will be construction of ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure plan.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 44 no. of trucks will be deployed per day (10 tonnes capacity each) which increase 264 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that the Simbalbara Wildlife Sanctuary (approx. 5.58km in WSW), Kalesar National Park (approx. 6.20 km in SSW) and Interstate boundary between Uttarakhand & Uttar Pradesh, Uttarakhand & Himachal Pradesh, Uttarakhand & Haryana fall within the study area (10 km radius of the mine boundary). However the project site lies within Doon Valley also which is an eco-sensitive area. Sixteen Reserved Forest are reported in the study area.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 10.07.2014 at 2.00 pm at Rajkiya Purva Madhyamik Vidhyalaya, GMVNL, Kulhan, Vikasnagar Dehradun. The Public hearing was presided over by Shri Pratap Singh Shah, Additional District Magistrate (Finance & Revenue), Dehradun. The representatives from the Uttarakhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 12.15 Lakhs. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 3.81 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 1, 00,000 per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent reported that there is no litigation pending against the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand, Bajri and Boulder (Minor Mineral) in River Yamuna (Lot No. 23/3) with proposed production capacity of 1,00,000 TPA (ROM) in the MLA 14.97 ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels; (ii) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (iii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iv) Transport of mineral will not be done through any of the villages; (v) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation will be carried out up to a maximum depth of 1.5 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) Washing of all transport vehicle should be done inside the mining lease; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Uttarakhand and other Court of Law, if any.

(2.9): River Sand Mining Project (Minor Mineral) (Luni River Bed) with proposed production capacity of 50.40 Lakh TPA (ROM) by M/s Bharat Singh Shekhawat, located at Revenue villages of Tehsil-Gudhamalani, District-Barmer, Rajasthan (MLA 5151.6828ha) (Consultant: Enviro Concept (I) Pvt. Ltd.)-Consideration of EC

The proposal of M/s Bharat Singh Shekhawat is for mining of River Sand (Minor Mineral) with proposed production capacity of 50.40 Lakh TPA (ROM). The

Mine lease area is located at Revenue villages of Tehsil- Gudhamalani, District-Barmer, Rajasthan in MLA of 5151.6828ha.

The Committee noted that the EIA/EMP Report has not addressed all the baseline as well as other environmental parameters adequately. EIA/EMP Report has not been prepared in-line with the Annexure-III of EIA Notification, 2006. There are several deficiencies viz. (i) Monitoring stations are not justified; (ii) List of flora/fauna and endangered species are not accurate; (iii) Blockwise mining area details are not furnished; (iv) Geological profile of the area does not have the required details (and may have to be furnished afresh); (v) Traffic management study has omissions (and need to be recalculated); (vi) Questionnaire' has not adequately addressed w.r.t. s. no. 4 and 28.2 etc.; and (vii) details of Action Plan for occupational health of the workers has not been furnished.

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

(2.10): River Sand Mining Project (Minor Mineral) (Khari River Bed) with proposed production capacity of 30.0 Lakh TPA (ROM) by M/s Bharat Singh, located at Revenue villages of Tehsil-Kekri, District-Ajmer, Rajasthan (MLA 1025.70ha) (Consultant: Perfect Enviro Solutions Pvt. Ltd.)-Consideration of EC

The proposal of M/s Bharat Singh is for mining of River Sand (Minor Mineral) with proposed production capacity of 30.0 Lakh TPA (ROM). The mine lease area is located at village (s)-Chausla, Chandthali, Bajta, Devkhedi, Dhundhari, Tankawas, Naya Gaon Mehrukala, Bhandawas, Gulgaon, Sadara, Sadari, Rajpura, Banediya, Mehrukala, Aamli, Balapura, Gothra, Devpura, Kadera & Alambo, Tehsil-Kekri & District-Ajmer, Rajasthan in the mine lease area of 1025.70ha. The mine lease area lies on the Khari River bed. The Latitudes and Longitudes of the mine lease area lies between 25°49'30.81"N to 25°50'3.30"N and 75°01'23.74"E to 75°20'56.48"E on Survey of India toposheet numbers 450/1, 450/5. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 10th Meeting held during 21st-23rd August, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by

MoEF&CC vide letter No. J-11015/ 222/2013-IA.II (M), dated 15th October, 2013. The Proponent submitted the EIA/EMP Report online to the Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1025.70ha which is Khari River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand over an area of 1025.70ha has been granted by the Govt. of Rajasthan, vide letter No P-7(19)/Khan/Group-2/2013 dated 20.03.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no.3527/Mine Plan, dated 28.06.2013.

Mining is by Semi-Mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Channel whichever is reached earlier. Proponent has informed that 1015.45 ha area will be used for excavation, and 3.75 ha for the green belt development. The site elevation is 358m – 316m AMSL. The Ground water depth is 6-8m bgl in pre-monsoon season and 5-6 m bgl in post-monsoon season. The total water requirement is 21 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

Project Proponent has 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 through road. Project Proponent has made the Traffic Analysis survey and reported that 500 no. of trucks will be deployed per day (20 tonnes capacity each) which increase 2250 PCUs per day and the level of service (LOS) remains up to "A" & "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. Speed breakers and signage will be maintained at all the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). There is one Protected Forest and three Reserved Forest. State Government of Rajasthan vide letter no. 1323 dated 05.01.2015 has confirmed that the lease does not fall in Aravali range.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible

limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 29.05.2014 at 03.00 pm at Govt. Secondary School, Village Tankawas, Tehsil-Kekri, Ajmer. The Public Hearing was presided over by Mr. YashodaNandan Srivastava, Additional District Collector II. The representatives from the Rajasthan State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs 7.0 Crores. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 26.0 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 36.0 Lakhs have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~4,69,588 Tonnes of Bajri has been made during October 2014 to March 2015.

The Committee deliberated at length on the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 30.0 Lakhs TPA (ROM) in the MLA 1025.70ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; Proponent to ensure that fluoride free drinking water needs to be provided to the villagers; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may

not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.11):Mining of Mineral Bajri (Minor Mineral) (Banas River) with proposed production capacity of 5.60 million TPA (ROM) by Shri Somprakash Sethi, located at Village(s) – Bashirpura and others, Tehsil – Piplu, District-Tonk, Rajasthan (MLA:3,342.10ha) (Consultant: Enkay Enviro Services Pvt. Ltd.)-Consideration of EC

The proposal of Shri Somprakash Sethi, Piplu, Tonk, Rajasthan is for mining of Bajri (Minor Mineral) with proposed production capacity of 5.60 million TPA (ROM). The mine lease area is located at Village(s) – Bashirpura and others, Tehsil – Piplu, District –Tonk in the mine lease area of 3,342.10ha. The mine lease area lies on Banas River. The Latitudes and Longitudes of the mine lease area lies between 26°08'11.2" N to 26°13'03.80" N and 75°39'37.50" E to 75°50'12.47" E on Survey of India toposheet numbers 45 N/11, 45 N/12, 45 N/15 && 45 N/16. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22nd - 24th July, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/182/2013-IA.II (M), dated 12th September, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 3,342.10ha which is Banas River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri over an area of 3,342.10 ha has been granted by the Director of Mines and Geology Department, Govt. of Rajasthan, vide letter dated 05.03.2013 for the period of 5 years. The Mining Plan is approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no. SME/ JP/ MP/ 286/ 13 dated 05.07.2013.

Method of Mining is Open Cast Semi-Mechanized. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River Banas whichever is reached earlier. Proponent informed that 666.41 ha area will be used for excavation and 71.21 ha for safety zone against Bridge (1 no.), Permanent roads (03 no.) & Wells (14 no.). The site elevation is 264m – 252m AMSL. The Ground water depth is 8m BGL in pre-monsoon season and 5m bgl in post-monsoon season. The total water requirement is 25.0 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply. No ground water interception during the mining operations is envisaged.

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.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that no. of trucks deployed will be 1,000 per day (20 tonnes capacity each) which increase 250 PCUs per day, but the level of service (LOS) remains as "B". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate traffic movement near the site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). There are three protected Forests. State Government of Rajasthan vide letter no. 512, dated 27.06.2014, has confirmed that the lease does not fall in Aravali range. Project proponent has reported that two Schedule I species, namely Chinkara and Peafowl are found in the study area and accordingly the Conservation Plan has been prepared with budgetary provisions of Rs. 3.85 Lakhs.

The baseline data was generated for the period during October 2013 to December 2013. The Project Proponent reported that parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 13.06.2014 at 02.00 PM at Gram Panchayat Bhawan, Village – Gahlot, Tehsil – Piplu, District – Tonk, Rajasthan. The Public Hearing was presided over by Shri Kishore Kumar, Additional District Magistrate, Tonk. 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, 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. 26.0 Crores. The Proponent has earmarked Rs. 15.0 Lakhs towards Environmental Protection Measures towards recurring expenses. Proponent informed that Rs. 50.0 Lakhs per annum as capital and 21.0 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 ~13,81,852 Tonnes of Bajri has been made during December 2013 to March 2014 and production of ~32,57,299 Tonnes of Bajri has been made during April 2014 to March 2015.

The Committee deliberated at length on the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 5.60 million TPA (ROM) in the MLA of 3342.10ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; Proponent to ensure that fluoride free drinking water needs to be provided to the villagers; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel

whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

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

The proposal is of M/s Sanjay Kumar Garg is for mining of River Sand (Minor Mineral) with proposed production capacity of 28.05 Lakh TPA (ROM). The mine lease area is located at village(s)-Akoona, Amarpura, Asawari, Bagthala, Barookhera, Bedunda, Beeliya, BhandKaKhera, Bharliya, Bhawani Singh KaKhera, Bilod, Chainpuriya, Chandpura, ChhitarsinghJiKaKhera, Chohli, DauljiKaKhera, Devipura, Gandhari, Gariyan, Gheoriya, Golbari, Gopalpura, Govta, HarisinghjiKaKhera, Hastra, Heengwaniya, Jaliya, Jojwa, Kankoliya, Kanti, KatariyonKaKhera, Khakhunda, Khangarji KaKhera, Khatwara, Khatwara, Kherpura, Lakshmipura, Lodhiyana, MahtajiKaKhera, Moi, Padampura, Panderi, Peethalpura, Phalasiya, Phoolji Ki Kheri, Pratappura, Ralayata, Ramthali, Sand, ShyamGarh, Tahla, ThalKalan, Thalkhurd, Tiroli, Ummedpura Tehsil-Bijoliya & Mandalgarh, District-Bhilwara, Rajasthan in the mine lease area of 1675.85ha. The mine lease area lies on Banas, Berach and Menali River bed. The Latitudes and Longitudes of the mine lease area lies between 25°16'44"N to 25°30'23"N and 74°57'23"E to 75°07'13"E on the Banas River, 25°06'58"N to 25°14'32"N and 75°03'57"E to 75°01'56"E on the Menali River, 25°11'14"N to 25°14'32"N and 75°53'46"E to 75°01'56"E on the Berach River on Survey of India toposheet numbers 45K/15, 45K/16, 45O/3, 45O/4. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 12th Meeting held during 31st October-1st November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/362/2013-IA.II (M), dated 22nd November, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 1675.85ha which is Banas River, Berach River and Menali River. No forest land is involved. Letter of Intent (LOI) for grant of mining

lease for minor mineral River Sand over an area of 1675.85ha has been granted by the Department of Mine and Geology Ajmer vide letterNo. F-7(10) Khan/Group-2/2013 Jaipur, dated 05.03.2013 for the period of 5 year. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no.4828/Mine Plan, dated 07.11.2013.

Method of Mining is Semi-Mechanized opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 301ha area will be used for excavation, and 5.4ha for the green belt development. The site elevation is 372m – 330m AMSL. The Ground water depth is 8-10m bgl in pre-monsoon season and 5-7m bgl in post-monsoon season. The total water requirement is 17 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 425 no. of trucks will be deployed per day (20 tonnes capacity each) which increases 1912 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). There are five protected Forest and four Reserved Forest located in the Study Area. State Government of Rajasthan vide letter dated 13.01.2015 has confirmed that the lease does not fall in Aravali range.

The baseline data was generated for the period during December 2013 to February 2014. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 22.12.2014 at 11:30 pm at Tehsil Head Quarter Bijoliya, District-Bhilwara, Rajasthan. The Public hearing was presided over by **Shri Gajanand Jangid, Tehsildar Bijoliya, Bhilwara. The Committee is of the view that the Public Hearing was presided over by an officer below the rank of ADM and a clarification with regard to rank of Officer who presided PH need to be taken from the Rajasthan State Pollution Control Board.** The representatives from the Rajasthan State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submit to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 5.0 Crores. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 26.0 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 35.0 Lakhs have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~6,40,123 Tonnes of Bajri has been made during December 2013 to March 2015.

The Committee deliberated at length the information submitted by PP and **deferred** the decision and desired that Project Proponent shall submit **clarification of Rajasthan State Pollution Control Board w.r.t. rank of officer who presided the Public Hearing as per the provisions of the EIA Notification, 2006.**

(2.13):Mining of Mineral Bajri (Minor Mineral) (Banas River) with proposed production capacity of 5.60 Million TPA (ROM) by Shri Pradeep Kumar Sethi, located at Revenue Village(s) of Tehsil Tonk, District - Tonk, Rajasthan (MLA-2389.36ha)(Consultant: Enkay Enviro Services Pvt. Ltd.)-Consideration of EC.

This proposal of Shri Pradeep Kumar Sethi is for mining of Bajri (Minor Mineral) with proposed production capacity of 5.60 Million TPA (ROM). The mine lease area is located at Revenue Village(s) of Tehsil Tonk District -Tonk in the mine lease area of 2389.36 ha. The mine lease area lies on Banas River. The Latitudes and Longitudes of the mine lease area lies between 25°59'18.45"N to 26°06'46.46"N and 75°38'39.12" to 76°00'5.57"E on Survey of India toposheet number 55N/ 11, 55N/ 12, 55N/ 15, 55N/ 16, 54B/ 3, 54B/ 4, 45 O/ 9, 45O/13 & 54C/ 1. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 11th Meeting held during 25- 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/235/2013-IA.II (M) dated 17.10.2013. The Proponent submitted the EIA/ EMP Report online to Ministry for seeking Environmental Clearance after conducting Public Hearing.

The mine lease area is 2389.36 ha which is Banas River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Bajriover an area of 2389.36ha has been granted by the Director of Mines and Geology Department, Govt. of Rajasthan, vide letter dated 05.01.2013 for the period of 5 years. The Mining Plan has been approved by SME, Jaipur Circle, Jaipur vide letter no. SME/ JP/ MP/ 407/ 13 dated 31.07.2013.

Method of mining is semi - mechanized opencast method. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River Banas whichever is reached earlier. Proponent informed that 666.55 ha area will be used for excavation; 47.7 ha for safety zone against permanent roads (8 nos.) and wells (20 nos.). The site elevation is 249 – 283 MSL. The ground water depth is 8.0m bgl in pre-monsoon season and 5.0m bgl in post-monsoon season. The total water requirement is 14.0 KLD including water demand for domestic purpose and dust suppression which will be met by tanker supply. No ground water interception during the mining operations is envisaged.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 7.5m 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 temporary rest shelters during operational phase.

Mineral will be transported through road. Project Proponent has made the traffic analysis survey and reported that 50 no. of trucks will be deployed per day (20 tonnes capacity each) which increase 250 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that there is no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). There are six protected Forest located in the Study Area. State Government of Rajasthan vide letter no. 509 dated 27.06.2014 has confirmed that the lease does not fall in Aravali range. Project proponent has reported that

two Schedule-I species namely Chinkara and Peafowl are found in the study area and accordingly the Conservation Plan has been prepared with budgetary provisions of Rs. 3.85 Lakhs.

The baseline data was generated for the period during October 2013 to December 2013. The Project Proponent reported that parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that there is no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

The Public Hearing for the proposed Project was conducted on 11.06.2014 at 2:00 PM at Rajkiya Ucchh Pratmik Sanskrit Vidhyalaya, Gram – Thikeriya, Tehsil – Tonk, District – Tonk, Rajasthan. The Public hearing was presided over by Shri P. S. Naga, Additional District Magistrate, Tonk. The representative from the Rajasthan State Pollution Control Board was also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included water supply; construction of rain water harvesting structure, provision of assistance to local schools, scholarships etc, and effective implementation of measures will be adopted. 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 submitting to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs. 11.0 Crores. The Project Proponent has earmarked Rs. 15.50 Lakhs towards Environmental Protection Measures per annum towards recurring expenses. Proponent informed that Rs. 35.5 Lakhs per annum as capital cost and Rs. 18.5 Lakhs 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 ~9,59,915 Tonnes of Bajri has been made during December 2013 to March 2014 and ~21,88,291 Tonnes of Bajri has been made during April 2014 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 5.60 million TPA (ROM) in the MLA 2389.36ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken

accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; Proponent to ensure that fluoride free drinking water needs to be provided to the villagers; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.14):River Sand Mining Project (Minor Mineral) with proposed production capacity of 2.80 Lakh TPA (ROM) by M/s Himmat Singh Shekhawat, located at Revenue villages of Tehsil- Nathdwara, District- Rajsamand, Rajasthan (MLA 773.27ha) (Consultant: Enviro Concept (I) Pvt. Ltd.)-Consideration of EC

The proposal of M/s Himmat Singh Shekhawat is for mining of River Sand (Minor Mineral) with proposed production capacity of 2.80 Lakh TPA (ROM). The Mine lease area is located at Revenue villages of Tehsil- Nathdwara, District- Rajsamand, Rajasthan in MLA of 773.27ha.

The Committee noted that the **EIA/EMP Report has not addressed all baseline and other environmental parameters adequately.** EIA/EMP Report has not been prepared in-line with the Annexure-III of EIA Notification, 2006. There are several deficiencies viz. (i) Monitoring stations are not justified; (ii) List of flora/fauna and endangered species are not accurate; (iii) Blockwise mining area details need to be furnished; (iv) Geological profile of the area does not have the required details and may have to be furnished afresh; (v) Traffic management study need to be recalculated; (vi) Questionnaire' has not been adequately filled up w.r.t. s. no. 4 and 28.2 etc.; and (vii) details of Action Plan for occupational health of the workers has not been furnished.

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

(2.15): Limestone Mine with proposed production capacity of 5.4 million TPA (ROM) of Limestone by M/s Rajputana Properties Pvt. Ltd., located near village(s) Mangrol, Sathkhanda, Bhawaliya, Rampura, Bamaniya & Muruliya, Tehsil-Nimbahera, Chittaurgarh, Rajasthan (701.268ha) (Consultant : EQMS India Pvt. Ltd.) – Reconsideration of EC.

The proposal of M/s Rajputana Properties Pvt. Ltd. is for Limestone Mining with proposed production capacity of 5.4 million TPA (ROM). The proposed project is a captive Limestone mine, located in village(s) Mangrol, Sathkhanda, Bhawaliya, Rampura, Bamaniya & Muruliya, Tehsil Nimbahera, District-Chittaurgarh in Rajasthan in MLA of 701.268ha.

The proposal of EC was earlier appraised by the EAC in its meeting held during November 20-22, 2013 wherein the EAC sought the following documents/clarifications for further decision on the matter:-

- (i) The Committee noted that the TOR was prescribed for 5.0 million TPA (ROM) of limestone mine in 701.2681ha however; the EIA/EMP report and Public Hearing were for 5.4 million TPA (ROM) of limestone in 701.268ha. The Committee was of the view that the documents are not consistent and PP needs to submit the clarification on the issues;
- (ii) The Committee noted that the base line data were monitored before the issuance of TORs and baseline data collected was not as per IMD season. The Committee was of the view that the Proponent need to monitor one complete season baseline data and submit report;
- (iii) Details of action plan with budgetary provisions on the issues raised during the Public Hearing needs to be submitted;
- (iv) Details of water quality report w.r.t. S No. 29 of Questionnaire should be provided;
- (v) Copy of Conservation Plan needs to be submitted;
- (vi) Isopleths need to be submitted; and
- (vii) Legible/ readable Maps need to be furnished.

In this context, the Project Proponent vide letter dated 04.02.2015 has submitted the information/clarification and accordingly the proposal is considered in the present meeting. The point wise explanation of the queries is given by the Project Proponent as below:

- (i) PP clarified that TOR was prescribed for 5.0 Million TPA for Cement Plant and 5.4 Million TPA for Limestone mine. The area of Mining Lease was rounded off from 701.2681 ha to 701.268 ha (i.e from four decimal to three decimal places) in LOI. PP clarified that they had applied for the Cement Plant 5.0 MTPA (2x2.5), CPP 54 MW (2x27), Limestone Mining 5.4 MTPA and all documents and PH was conducted for the same capacities.
- (ii) PP has collected and submitted fresh baseline data of winter season (December 2013-February 2014). The predominant wind direction was observed from NNW. The calm conditions prevailed for 51.8% of the total time, Average wind speed was observed to be 0.7m/s. All the parameters were within the prescribed limits, except for PM₁₀ which were reported to be on higher side. It was reported by PP that different Road Constructions activities such as widening of NH-79, construction of pakka road etc. were in progress in the study area during the study period, which may be the localized cause of high PM₁₀.
- (iii) PP had submitted action plan with budgetary provisions on the issues raised during the Public hearing. An amount of Rs. 40.0 Crores has been earmarked for undertaking different socio-economic activities in the area in a span of 10 years. The activities were planned based on Need based, socio-economic Assessment and issues raised during Public Hearing.
- (iv) PP submitted the details of water quality report w.r.t. S No. 29 of Questionnaire.
- (v) PP Submitted a copy of the Conservation Plan duly approved from Addl. Principal Chief Conservator of Forest & Chief Wild Life Warden, Jaipur. An amount of Rs. 160 lakhs have been committed for Wildlife Conservation & Eco-Management Plan.
- (vi) PP submitted fresh Isopleths based on the recollected metrological data.
- (vii) PP submitted Legible/ readable Maps.

The Project Proponent has also informed that this is an integrated project and was considered by EAC (Industry) in its meeting held during 8th -9th January 2015 wherein the proposal for Industry sector was recommended for environmental clearance.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone Mining with production capacity of 5.4 Million TPA (ROM) in MLA of 701.268ha.

The Committee **recommended** additional specific conditions viz. (i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and 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; (ii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (iv) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;(v) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vi) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(vii) Washing of all transport vehicle should be done inside the mining lease.

(2.16): Karanjia China Clay Mine and Beneficiation Plant with China Clay production capacity of 0.06 Million TPA (ROM), Beneficiation Plant capacity of 200 TPD (ROM) with beneficiated clay production of 100 TPD (ROM) by M/s Mangilall Rungta, located at Village(s) - Karanjia and Mahuldiha, District- West Singhbhum, Jharkhand (91.786ha) (Consultant: Min Mec Consultancy Pvt. Ltd., New Delhi)- Reconsideration of EC.

The proposal of M/s Mangilall Rungta is for China Clay mining with production capacity of 60,000 TPA (ROM) which will be processed in the proposed Beneficiation Plant to be set up within the lease area to produce Calcined white china clay at the proposed rate of 100 TPD i.e. 30,000 TPA (ROM). The throughput of the plant shall be 200 TPD (ROM). The mine lease area is located at village (s) Karanjia & Mahuldiha of west Singhbhum district in Jharkhand State.

The proposal of EC was earlier appraised by the EAC in its meeting held during September 25-26, 2014 wherein the EAC sought the following documents/clarifications for further decision on the matter:-

- (i) Certificate from Department of Mines and Geology w.r.t. details of mining and operation after date of execution of the lease deed;
- (ii) The Committee noted that Ground water will be intersected during first year of mining operation. The CGWA approval for intersecting the ground water needs to be obtained and copy submitted.
- (iii) Compliance of TOR 26 needs to be addressed adequately.
- (iv) Revised Questionnaire needs to be submitted.
- (v) Details about the land being acquired from the villagers including STs Families and any impact and measures to ensure livelihood of 37 land owners who are completely losing their land. R&R Plan to be submitted.
- (vi) Details of surrounding villages close to the mining lease and status of essential social infrastructure availability like drinking water, sanitation and health.
- (vii) Details of Schedule-I species need to be provided as the surrounding of the mine lease is having protected forests. Conservation Plan for Schedule-I species shall be duly approved by the Chief Wildlife Warden along with budgetary provisions and implementation schedule need to be submitted. Further, Sterculia species is an endangered category and conservation plan needs to be outlined in the Report.
- (viii) Revised Occupational Health assessment and management plan may be submitted.

In this context, the Project Proponent vide letter dated 24.02.2015 has submitted the information/clarification and accordingly the proposal is considered in the present meeting. The point wise explanation of the queries is given by the Project Proponent as below:

- (i) District Mining Officer, Chaibasa certified that no mining operation has been carried out after date of execution of the lease deed.
- (ii) Application has already been made vide letter no MLR/Karanjia/CGWB/14-15/66 dated 01.05.2014. CGWA had sought clarification vide their letter no 21-4(176)/MER/CGWA/2014-2067 dated 18.12.2014. The same was replied to vide our letter no MLR/BD/Karanjia/CGWB/14-15/486 dated 03.02.2015. The application is under advance stage of consideration. It is to be ensured that permission will be obtained prior to operation of mine. The Committee deliberated and is of the view that mining activity shall only be commenced after CGWA approval.
- (iii) PP has submitted that there will be re-alignment of the natural water courses due to proposed mining activity.
- (iv) PP has submitted the revised questionnaire.

- (v) With regard to details about the land being acquired from the villagers including STs Families and any impact and measures to ensure livelihood of 37 land owners, the PP has prepared the R&R plan which inter-alia outlines the measures to ensure livelihood of land owners. In an endeavour to reduce the project affected persons, the company will limit the land purchased / leased to that which will be disturbed during mining.
- (vi) With regard to details of surrounding villages close to the mining lease and status of essential social infrastructure availability like drinking water, sanitation and health, the PP has reported that an assessment of the facilities available close to the mining has been done with respect to education, hospitals, drinking water, power supply, communication, post & telegraph and approach road. The Committee is of the view that the same shall be implemented and the Implementation Report shall be submitted to the Regional Office of the Ministry every six month.
- (vii) With regard to details of Schedule-I species and its Conservation Plan, the PP has informed that Wild Life Conservation Plan has been prepared by Mr. P.K Sen, Ex Chief Wild Life Warden, Government of Jharkhand and submitted to Divisional Forest Officer Chaibasa, vide our letter no. MLR/MoEF/Karanjia /14-15 /401 dated 12.11.2014. Divisional Forest Officer, Chaibasa has forwarded the Wildlife Conservation Plan with budgetary provisions to Conservator of Forest, Chaibasa Forest Division, Chaibasa vide letter no. 307 dated 08.02.2015 and Conservator of Forest Chaibasa Forest Division has forwarded proposal to Regional Chief Conservator of Forest, Jamshedpur vide letter no. 267 dated 14.02.2015. The Committee is of the view that the same shall be implemented and the Implementation Report shall be submitted to the Regional Office of the Ministry.
- (viii) PP has submitted the revised Occupational Health Assessment and Management Plan.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Karanjia China Clay Mine and Beneficiation Plant with China Clay production capacity of 0.06 Million TPA (ROM), Beneficiation Plant capacity of 200 TPD (ROM) with beneficiated clay production of 100 TPD (ROM) in MLA of 91.786ha.

The Committee **recommended** additional specific conditions viz. (i) Mining activity shall only be commenced after CGWA approval; (ii) Implementation of the Conservation Plan for Scheduled species with budgetary provisions; (iii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The

Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities; (iv) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (v) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (vi) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres; (vii) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (viii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and (ix) Washing of all transport vehicle should be done inside the mining lease.

(2.17): Limestone Mine with production capacity of 4,25,000 TPA (ROM) by M/s Gujarat Industries Power Co. Ltd., located near village Vastan, Taluk Mangrol, District Surat, Gujarat (80ha) (Consultant: Udaipur Min-tech Pvt. Ltd., Udaipur)- Reconsideration of EC.

The proposal is for opening of a new mine for production of 0.0425 million TPA (ROM) of limestone in the name of Vastan limestone mine within the existing Vastan lignite mine of the Proponent. The mine lease area is located at N/V Vastan, Tehsil-Mangrol & District – Surat, Gujarat. The proposal of EC was earlier considered by the EAC in its meeting held during **August 21-23, 2013** and **September 25-26, 2014** wherein the Committee sought additional information/clarification.

The Committee, in its earlier meeting, noted that it is a violation case as the PP had started production of limestone without obtaining requisite prior environmental clearance from January 2012 to June 2013 and it was noted that this is a violation for the second time after the TOR was issued. PP informed that the mine is closed since June 2013. The Ministry vide letter dated 26.02.2014 has issued show cause notice to the Project Proponent as to why the proposal to consider EC be not rejected out-right in view of repeated violation, despite writing to the State Govt. to initiate action under the Environment (Protection) Act, 1986

and the Project Proponent passing Board Resolution not to repeat violation with respect to the previous violation.

Project Proponent vide letter No. GIPCL/SLPP/Vastan Limestone/EC, dated 07.07.2014 requested for a chance of hearing with regard to violation. PP has informed that since EC for entire lignite mining lease area is available where part of OB happens to be low grade limestone, no violation has taken place by merely using this OB material of low grade limestone for desulphurization instead of throwing it in the waste dump. In view of this, since replies given by the Project Proponent are of technical nature and accordingly Ministry decided to place the Proposal before EAC.

The Proposal was earlier appraised by the EAC in its meeting held during **September 25-26, 2014** wherein, the Committee deferred the proposal and sought the following information:-

- (i) With regard to Action plan on the issues raised during Public Hearing, the Committee observed that the Public in the meeting made genuine demands but the reply as well as compliance aspects have not been addressed properly and Committee was of the view that this may be looked into seriously by the PP and Action Plan on the issues need to be prepared and implemented with six monthly progress report sent to RO, MoEF&CC Bhopal.
- (ii) With regard to RO Compliance Report for Vastan Lignite Mine which was accorded environmental clearance by the Ministry vide J-11015/40/95-IA.II (M), dated 19.06.1996, the PP mentioned that Compliance Report is awaited from RO, MoEF. The Committee was of the view that RO may be advised by the Ministry to submit the Compliance Report early.

In view of the above, MoEF&CC vide letter dated 30.10.2014 requested Regional Office for the compliance report. The Regional Office of MoEF&CC, vide letter dated 10.03.2015, has submitted the compliance report. The Committee deliberated the compliance report and was satisfied. The Project Proponent has made an expenditure of Rs. 210.52 lakhs for financial year 2013-2014 and 134.40 lakhs for financial year 2014-2015 towards green belt development, Medical services, free school education, Repairing of Road etc. PP has also informed that company has initiated and introduced two courses at 3 ITI's in Surat and Bharuch districts to support Vocational Training Institute and to promote Skill Development for local youth.

The Committee discussed the issues involved in mining of any mineral without formally including it as an additional mineral other than the mineral (s) for which the lease stands granted and the EC issued. The **clarification does have technical merit in so far as the act tentamounts to O.B. removal, which cannot be treated as violation. In view of the environmental impacts of the use of the material so extracted (desulphurization) being positive, the Committee opined not to press for the violation angle.**

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Limestone Mining with production capacity of 4,25,000 TPA (ROM) in MLA of 80ha.

The Committee **recommended** additional specific conditions viz. (i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and 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; (ii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (iii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry; (iv) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;(v) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;(vi) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and(vii) Washing of all transport vehicle should be done inside the mining lease.

(2.18). Mining of Sand (Minor Mineral) in the Mine of "Karnal Unit-2" with production capacity of 80 Lakhs TPA (ROM) of Sand by M/s Shri Devender Nagpal, S/o Shri Ramdass, located at villages-Shergarh Tapu, Mohiddinpur, Jharauli, Nabipur, Khirajpur, Mohammadpur & Khuda Kalan (Block/Knl-3), Ghir (Block/Knl-8) & Nalvipur (Block/Knl-9), District-Karnal, Haryana (974.10ha)-(Consultant: Grass Roots Research & Creation India (P) Ltd.)-Reconsideration of EC

The proposal was **deferred** on the request of Project Proponent.

(2.18).Mining of Sand (Minor Mineral) in the Mine of "Karnal Unit-3" with production capacity of 94.6 Lakhs TPA of Sand by Shri Rajvir Chauhan S/o Shri Ranjit Singh, located at village(s)- Dabar ki par, Mustafabad, Dhakwala (Block/Knl-4), Manglaura Qadin (Block/Knl-5) Chandipur (Block/Knl-10), NaglaMega, Andehra(Block/Knl-11), District-Karnal, Haryana (780.32ha)- (Consultant: Grass Roots Research & Creation India (P) Ltd.)- Reconsideration of EC

The proposal of Shri Rajvir Chauhan S/o Shri Ranjit Singh is for Mining of Sand (Minor Mineral) in the Mine of "Karnal Unit-3" with production capacity of 94.6 Lakhs TPA of Sand in mine lease are of 780.32ha. The mine lease area is located at village(s)- Dabar ki par, Mustafabad, Dhakwala(Block/Knl-4), Manglaura Qadin (Block/Knl-5), Chandipur(Block/Knl-10), NaglaMega, Andehra (Block/Knl-11), District-Karnal, Haryana. The lease area lies in the bed of River Yamuna & outside the river bed too.

The proposal of EC was earlier considered by the EAC in its meeting held during January 15-16, 2015 wherein the Committee sought the following information/clarification:

- (i) Detailed Report regarding likely increase in productivity of Agricultural land after mining (as informed by the PP on the basis of Reports of some Institutes); The Expert may also send a Report in this regard;
- (ii) Onsite disaster management plan with complete mitigation measures for disaster management;
- (iii) Details of compensation proposed to be given to farmers as per R&R Policy of the State Govt. along with pert chart showing acquisition, and returning land for cultivation after mining activity;
- (iv) A Plan for providing potable drinking water in villages viz. Dabar ki Par, Mustafabad, Dakhwala, Manglaura, Chandipur and Nagla Mega Andhera having high fluoride in water;
- (v) Proposed Plan with map for 7.5 m green belt as proposed by the PP between mining land and adjacent Agricultural land; and
- (vi) Proposed Protective measures in respect of Project located in seismic zone-III as part of Disaster management plan.

In this context, the Project Proponent vide letter dated 19.03.2015 has submitted the information/clarification and accordingly the proposal is considered in the present meeting. The point wise explanation of the queries is given by the Project Proponent as below:-

- (i) With regard to detailed report regarding likely increase in productivity of Agricultural land after mining, a report by Sh. Sukhpal Singh Ahlawat, Retd. Sub Divisional Agriculture Officer, Rohtak is obtained in this regard. He mentioned in his report that, it is expected that the productivity will increase in the rehabilitated area if, fertile top layer i.e. 30 cm (approx.) and bottom

soil layer i.e. 70 cm (approx) are stacked separately before mining get started and are stacked in heap form. Once the mining process gets over then the layers (soil layer followed with top soil) is spread separately on excavated land.

- (ii) With regard to onsite disaster management plan, the PP has mentioned that the project is for sand mining from the riverbed of river Yamuna & its paleochannels for which identification of hazard was done along with the assessment of risk and preventive measures are proposed for the same. The hazard identified are Nearness of River (Flooding), Collapsing of Banks of River & banks of pit, Quick Sand Condition, Accidents due to Vehicular Movements and loading & unloading of mineral, Earth Quake and Presence of poisonous insects & snakes. The onsite disaster management plan has been prepared which is as follows:
- (a). The mining operation will be carried out under the Management and control of experienced and qualified Mines Manager having Certificate of Competency to manage the mines granted by DGMS.
 - (b). During heavy rainfall the mining activities will be closed and workers will be evacuated.
 - (c). All persons in supervisory capacity will be provided with proper communication facilities to facilitate evacuation.
 - (d). Injured person will be provided with FIRST AID facility which will always be kept at work place.
 - (e). "Disaster Warning System" as developed will be strictly implemented in line with advance communication from concerned authority.
 - (f). Tie-up with nearby hospitals & contact number for emergency assistance.
 - (g). Evacuation plan for the workers at site including contract labours will be developed and they will be kept in nearby shelters.
 - (h). "Emergency Helpline Number" will be displayed at all levels.
- (iii) With regard to details of compensation proposed to be given to farmers as per R&R Policy of the State Government, the PP has informed that the R&R plan prepared for the Project is inculcated from National R&R Policy, 2007 as per the land holdings present in the area. There are mainly three components in the said policy according to which the project R & R plan is decided viz. Land compensation; Economic rehabilitation of project affected families and Development of skills for the displaced persons.
- (iv) With regard to providing potable drinking water in villages, the PP has reported that the RO water system/water purifiers will be installed and provided in the villages for drinking water purpose. An affidavit is also prepared for the same. The PP has earmarked Rs. 5 lakhs per annum for providing drinking water.
- (v) With regard to proposed Plan with map for 7.5m green belt, the PP has reported that a plan is proposed for green belt development in the 7.5 m barrier zone between the mining land and adjacent agricultural land. It is

proposed that pits of the mining area will be sloped to its angle of repose in a very gentle manner so that there is no chance of slope collapse which can pose any danger to human being or animals. The process of simultaneous reclamation will be continued till the mining is over. Also plantation is proposed on the slopes of the pit to stabilize them and which also makes the area greener. List of species to be planted is also prepared for the same as recommended in research papers for soil conservation as well as recommended by CPCB for the green belt.

- (vi) With regard to protective measures in respect in seismic zone-III, the PP has reported that the proposed project lies in Seismic zone III which is classified as Moderate Damage Risk Zone. Site specific mitigation measures are proposed regarding earthquake for the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for **Mining of Sand** (Minor Mineral) in **"Karnal Unit-3"** with production capacity of 94.6 Lakhs TPA of Sand.

The Committee **recommended** additional specific conditions viz. (i) Transport of mineral will not be done through villages; (ii) Project Proponent shall provide the potable water to the villagers which are having high fluoride concentration; (iii) Project Proponent shall plant native plant species of Amla, Tamarind, Neem, Arjun, Bauhinia and other local species as suggested by villagers/specialist; (iv) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Implementation of the Recommendations of National Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (v) An independent study be organised during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential sand extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from

authorized pollution testing centre; (ix) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (x) Washing of all transport vehicle should be done inside the mining lease; (xi) Proposed Protective measures in respect of Project located in seismic zone-III as part of Disaster management plan; (xii) Excavation on River bed 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; Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first; and (xiii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Punjab and Haryana on the mentioned case".

(2.19).Mining of Sand (Minor Mineral) in the Mine of "Karnal Unit-1" with proposed production capacity of 12.75 million TPA of Sand (ROM) by Shri Vipin Gupta S/o Shri G.K. Gupta, located at village-Chandrown, Gharpur Tapu, Kalsora, Nabiyabad, Jupti Chapra (Block/Knl-1), Nagal, Kamalpur, Dabkoli Khurd (Block/Knl-2), Garhi-Birbal (Block/Knl-7), District-Karnal, Haryana (941.00ha)-(Consultant: Grass Roots Research & Creation India (P) Ltd.)-Reconsideration of EC

The proposal of Shri Vipin Gupta is for mining of Sand (minor mineral) in the mine of "Karnal Unit-1" with proposed production capacity of 12.75 million TPA of Sand (ROM) in mine lease area of 941.0ha. The mine lease area is located at village(s)-Chandrown, Gharpur Tapu, Kalsora, Nabiyabad, Jupti Chapra (Block/Knl-1), Nagal, Kamalpur, Dabkolikhurd (Block/Knl-2), Garhi-Birbal (Block/Knl-7), District-Karnal, Haryana. The lease area lies on River Yamuna & its palaeochannel.

The proposal of EC was earlier considered by the EAC in its meeting held during January 15-16, 2015 wherein the Committee sought the following information/clarification:

- (i) Detailed Report regarding likely increase in productivity of Agricultural land after mining as informed by the PP on the basis of Reports of some Institutes; The Expert may also sent Report in this regard;
- (ii) Onsite disaster management plan with complete mitigation measures for disaster management;
- (iii) Details of compensation proposed to be given to farmers as per R&R Policy of the State Govt. along with pert chart showing acquisition, and returning land for cultivation after mining activity;

- (iv) A Plan for providing potable drinking water in villages namely Chandrown, Gharpur, Tapu, Nagal, Kamalpur, Garhi-Birbal and Others having high fluoride in water;
- (v) Proposed Plan with map for 7.5 m green belt as proposed by the PP between mining land and adjacent Agricultural land; and
- (vi) Proposed Protective measures in respect of Project located in seismic zone-III as part of Disaster management plan.

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

- (i) With regard to detailed report regarding likely increase in productivity of Agricultural land after mining, a report by Shri Sukhpal Singh Ahlawat, Retd. Sub Divisional Agriculture Officer, Rohtak is obtained in this regard. He mentioned in his report that, it is expected that the productivity will increase in the rehabilitated area if, fertile top layer i.e. 30 cm (approx.) and bottom soil layer .i.e. 70 cm (approx) are stacked separately before mining get started and are stacked in heap form. Once the mining process gets over then the layers (soil layer followed with top soil) is spread separately on excavated land. In such a situation crop production is expected to get impacted due to mining.
- (ii) With regard to onsite disaster management plan, the PP has mentioned that the project is for sand mining from the riverbed of river Yamuna & its paleochannels for which identification of hazard was done along with the assessment of risk and preventive measures are proposed for the same. The hazard identified are Nearness of River (Flooding), Collapsing of Banks of River & banks of pit, Quick Sand Condition, Accidents due to Vehicular Movements and loading & unloading of mineral, Earth Quake and Presence of poisonous insects & snakes. The onsite disaster management plan has prepared which is as follows:
 - (a). The mining operation will be carried out under the Management and control of experienced and qualified Mines Manager having Certificate of Competency to manage the mines granted by DGMS.
 - (b). During heavy rainfall the mining activities will be closed and workers will be evacuated.
 - (c). All persons in supervisory capacity will be provided with proper communication facilities to facilitate evacuation.
 - (d). Injured person will be provided with FIRST AID facility which will always be kept at work place.
 - (e). "Disaster Warning System" as developed will be strictly implemented in line with advance communication from concerned authority.
 - (f). Tie-up with nearby hospitals & contact number for emergency

assistance.

- (g). Evacuation plan for the workers at site including contract labours will be developed and they will be kept in nearby shelters.
- (h). "Emergency Helpline Number" will be displayed at all levels.

- (iii) With regard to details of compensation proposed to be given to farmers as per R&R Policy of the State Government, the PP has informed that the R&R plan prepared for the Project is inculcated from National R&R Policy, 2007 as per the land holdings present in the area. There are mainly three components in the said policy according to which the project R & R plan is decided viz. Land compensation; Economic rehabilitation of project affected families and Development of skills for the displaced persons.
- (iv) With regard to providing potable drinking water in villages, the PP has reported that the RO water system/water purifiers will be installed and provided in the villages for drinking water purpose. An affidavit is also prepared for the same. The PP has earmarked Rs. 5 lakhs per annum for providing drinking water.
- (v) With regard to proposed Plan with map for 7.5m green belt, the PP has reported that a plan is proposed for green belt development in the 7.5m barrier zone between the mining land and adjacent agricultural land. It is proposed that pits of the mining area will be sloped to its angle of repose in a very gentle manner so that there is no chance of slope collapse which can pose any danger to human being or animals. The process of simultaneous reclamation will be continued till the mining is over. Also plantation is proposed on the slopes of the pit to stabilize them and which also makes the area greener. List of species to be planted is also prepared for the same as recommended in research papers for soil conservation as well as recommended by CPCB for the green belt.
- (vi) With regard to protective measures in respect in seismic zone-III, the PP has reported that the proposed project lies in Seismic zone III which is classified as Moderate Damage Risk Zone. Site specific mitigation measures are proposed regarding earthquake for the project.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for **Mining of Sand** (Minor Mineral) in "**Karnal Unit-1**" with production capacity of 12.75 million TPA (ROM) of Sand.

The Committee **recommended** additional specific conditions viz. (i) Transport of mineral will not be done through villages; (ii) Project Proponent shall provide the potable water to the villagers which are having high fluoride concentration; (iii) Project Proponent shall plant native plant species of Amla, Tamarind, Neem, Arjun, Bauhinia and other local species as suggested by villagers/specialist; (iv) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers

having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Implementation of the Recommendations of National Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (v) An independent study be organised during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential sand extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (x) Washing of all transport vehicle should be done inside the mining lease; (xi) Proposed Protective measures in respect of Project located in seismic zone-III as part of Disaster management plan; (xii) Excavation on River bed 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; Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first; and (xiii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Punjab and Haryana on the mentioned case".

(2.21): Amendments in Six EC w.r.t. capping from 2.52 million TPA to 3.82 million TPA (ROM) of limestone for the Six mines namely Majhgawan Limestone Mine, Budgawan Limestone Mine, Hinauti Limestone Mine, Majhgawan Extension Limestone Mine, Hinauti Extension Limestone Mine and Budgawana Extension Limestone Mine of M/s Jaiprakash Associates Ltd. located in District-Sidhi, Madhya Pradesh (54.825ha)- Amendments in Six EC proposals

The proposal of M/s Jaiprakash Associates Ltd., is for amendment to the Environmental clearance for six captive limestone mines, namely Majhgawan Limestone Mine, Budgawan Limestone Mine, Hinauti Limestone Mine, Majhgawan

Extension Limestone Mine, Hinauti Extension Limestone Mine and Budgawana Extension Limestone Mine, for removal of overall capacity bar from 2.52 million TPA (ROM) to 3.82 million TPA (ROM) of Limestone, located at District Sidhi, Madhya Pradesh. This is to facilitate fuller utilization of the production capacity with due care as regards environment protection.

The Committee has noted that the MoEF&CC has accorded six Environmental Clearances to M/s Jaiprakash Associated Ltd. for captive Limestone Mine in 2008–2009. The details of EC accorded are as below:-

S. No.	Mine	Environmental Clearance no. and date	Production Capacity (Million TPA)	CAP Stipulated in EC
1.	Majhgawan Limestone Mine	F. No. J-11015/257/2007-IA-II(M) dated 15.12.2008	1.25	Nil
2	Budgawan Limestone Mine	F.No. J-11015/248/2007-IA-II(M), dated 13.05.2009	0.27	Nil
3.	Hinauti Limestone Mine	F. No. J-11015/258/2007-IA-II(M), dated 20.02.2009	1.00	The production from this mine will be mixed with limestone obtained from other mines. The total quantity of limestone to be produced from all the mines put together for the said cement plant will be limited to 2.52 Million TPA
4.	Majhgawan Extension Limestone Mine	F. No. J-11015/755/2007-IA-II(M), dated 04.06.2009	0.50	The limestone extracted from this mine will be used for their captive cement plant along with other mines. It has been reported that there are six mines linked to the cement plant and total limestone production from all the six mines put

				together will not exceed 2.52 Million TPA
5.	Hinauti Extension Limestone Mine	F. No. J-11015/700/2007-IA-II(M), dated 04.06.2009	0.50	The production from this mine will be mixed with limestone obtained from other mines. The total quantity of limestone to be produced from all the mines put together for the said cement plant will be limited to 2.52 Million TPA
6.	Budgawana Extension Limestone Mine	F. No. J-11015/105/2008-IA-II(M), dated 31.07.2009	0.30	It will be one of the six captive mines to feed the cement plant. The total production from all the six mines put together will not exceed 2.52 Million TPA

The Project Proponent has informed that the Cement Plant capacity has been expended for clinkers from 1.5 Million TPA to 3.0 Million TPA and Cement from 2.0 Million TPA to 3.5 Million TPA. With increase in clinker manufacturing capacity to 3.0 Million TPA, Limestone requirement will be about 5.0 million TPA. Project Proponent has assessed and predicts the cumulative concentration of air quality pollutants due to the cluster of industries, i.e. cement plants, captive limestone mines (both operating and proposed) and captive power plants. To assess the overall impact of air quality and predict the incremental levels of air pollutants, AERMOC dispersion modelling has been used. The cumulative analysis has been performed over the entire receptor grid defined in the circular significant impact area of the source under review (10 km from boundary of all the mines).

The Committee deliberated at length the information submitted by PP and **recommended** the amendments in EC w.r.t. capping from 2.52 million TPA to 3.82 million TPA (ROM) of limestone for the Six mines namely Majhgawan Limestone Mine, Budgawan Limestone Mine, Hinauti Limestone Mine, Majhgawan Extension Limestone Mine, Hinauti Extension Limestone Mine and Budgawana Extension Limestone Mine, located at District Sidhi, Madhya Pradesh.

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

Day 2: April 30, 2015

(2.22):Mining of Minor Mineral in the Mine of "Ambala Unit-2" with production capacity of 23.3 million TPA of Boulder, Gravel & Sand Mine (ROM) by M/s Astin Excavation Mining Pvt Ltd., located at Tehsil- Ambala, District- Ambala, Haryana (595.19 ha)- (Consultant: Udaipur Min-Tech Pvt. Ltd.)-Consideration of EC

The proposal of M/s Astin Excavation Mining Pvt Ltd. is for Mining of Mineral in the Mine of "Ambala Unit-2" with production capacity of 23.3 Million TPA of Sand, Boulder and Gravel in total mining area of 595.19 ha. The mine lease area is located at Tehsil Ambala, District-Ambala, Haryana. The lease area lies in the River bed. The Latitudes and Longitudes of mine lease area are 30°22'43.85"-30°12'18.55"N and 77°2'22.26"- 76°56'20.07"E respectively on toposheet number 53F03 & 53B16 (site), 53F04, 53B15. The Project is located in seismic zone-IV. The mine site is located in the interstate boundary of Haryana, Punjab & Himachal Pradesh within 10 Km radius of the lease area.

The proposed project is an open-cast mining project, confined to excavation of Boulder, Gravel & Sand Mine from the proposed site. The mining operation will be done by semi-mechanized method. Extraction of material will be done only during the day time and will be completely stopped during the monsoon season. The Letter of intent has been issued to M/s Astin Excavation Mining Pvt. Ltd by Director of Mines & Geology, State Govt. of Haryana, Chandigarh vide letter no.

DGM/Hy/Amb/Cont/Unit-2/2013/97 dated 03.01.2014. Letter of intent for mine lease area is for 10 years.

The proposal of TOR was considered by the Expert Appraisal Committee (mining) in its 18th meeting held during 20-21 March 2014, for undertaking detailed EIA study. The TORs were prescribed by the Ministry vide letter no. J-11015/316/2013-IA.II (M) dated. 9.12.2013. The Proponent submitted the present EIA/EMP Report for proposed production to the Ministry for seeking Environmental Clearance after conducting Public Hearing.

The Committee noted that Ministry has prescribed TOR for Mining of Sand, Boulder and Gravel in the Mine of "Ambala Unit-2" with production capacity of 23.3 Million TPA of Boulder, Gravel & Sand in the total mining area of 595.19 ha. However, the PP has prepared the mine plan for 7.5 Million TPA and the EIA/EMP report is prepared for 7.5 Million TPA without making amendments in the TOR.

The Committee deliberated at length the information submitted by PP and is of the view that **first the PP should make an application for amendment in TOR, after securing which, resubmit the revised EIA/EMP report before EAC for appraising the project with the revised production capacity.**

(2.23): Mining of Minor Mineral (Boulder, Gravel & Sand) in the Mine of "Ambala Unit-1" with production capacity of 17.20 Million TPA (ROM) of Boulder, Gravel & Sand by M/s Antheia Properties Private Limited, located at Naraingarh Tehsil of Ambala District and Haryana State (Mining Area 533.14 ha)-(Consultant: Greencindia Consulting Private Limited, NCR, Ghaziabad)-Consideration of EC

The proposal of M/s. Antheia Properties Private Limited is for Mining of Sand, Boulder and Gravel in the Mine of "Ambala Unit-1" with production capacity of 17.20 Million TPA (ROM) of Sand, Boulder and Gravel in total mining area of 533.14ha. The lease area is located at village(s)-Toka, Chichi Majra, Mianpur, Sangrani, Rao Majra, Shahpur, Hamidpur, Chhoti Rasaur, Bari Rasaur, Fatehpur, Bhurewala, Laha, Ujjal Maira, Naqauli, Bataura, Meerpur, Bari Khori, Chotagarh, Baragarh and Banauli respectively in Naraingarh Tehsil of Dist. Ambala in Haryana. It is a river bed mining project and the mining area lies in the riverbed of Markanda, Begna Rivers and its tributaries. The Latitudes and Longitudes of mining area are 30°26'28" to 30°33'21" N and 77°03'49" to 77°11'45" E respectively on toposheet number 53-F/2&F/3. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 18th Meeting held during March 20-21, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/39/2014-IA.II (M), dated 5th May, 2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

Letter of Intent (LOI) for grant of mining contract for minor mineral (Boulder, Gravel and Sand) over an area of 533.14ha has been granted by the Director of Mines and Geology Department, Govt. of Haryana, vide letter No.DMG/Hy/Amb/Cont/Unit-1/2013/95, Chandigarh dated 03.01.2014 for the period of 8 year. The Mining Plan is approved by Director, Mines and Geology, Govt. of Haryana; vide letter no.DMG/HY/M.Plan/AMB Unit01/2013/242, dated 15.01.2015 and clarification letter no.DMG/HY/M.Plan/AMB Unit-1/2013/718, dated 02.03.2015.

The Committee noted that the "Ambala Unit-1" has been granted a Letter of Intent for an area 533.14ha spread over 20 revenue villages in Naraingarh Tehsil of Ambala District. Out of which 15.30ha area is the forest land. The Proponent has deleted/excluded this forest land from their land requirement for mining. The Proponent has also submitted an affidavit stating no mining will be carried out in the said forest area. The deletion of 15.30ha forest land from the initial total mineable area does not have any bearing on the total quantity output as planned and stated in the TOR nor on mining operations. Hence, net mining area available to the Proponent is 517.84 ha. The approved mining plan submitted by the Proponent is also for 517.84ha.

Method mining is open cast semi mechanized. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. There is no need for drilling/blasting as hard rock is not encountered in sand mining. Mining will be carried out in allocated areas only and in a manner so that there is no obstruction to the movement of water flow, if any, during rainy season. No OB/waste material will be produced due to river bed mining. The site elevation is 295m – 343m AMSL. The Ground water depth is 5-10m bgl (as per CGCB). The total water requirement is 17 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply. No ground water interception during the mining operations is envisaged. Project Proponent reported that mining will be done in central 3/4th of the river bed and there will be no diversion or modification in the river flow. No mining will be done in the zone of 250m on upstream side of bridge and 500m on downstream side. Mining will be done only during day time and completely stopped in monsoon season.

Mineral will be transported through road. The mining area is spread over five blocks in an area of 12 km and the project site lies adjacent to NH-72, NH-73, SH-4 and SH-1. These roads shall be used for transportation of mineral. While mining, trucks will make 5732 trips per day. After commencement of the mining operations, the projected traffic represents conditions of stable flow (LOS Category 'B'). Project Proponent reported that adequate traffic management measure will be undertaken and speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). There are three Schedule-I Species, namely, Panther, Monitor Lizard and Peafowl are found in the study area. PP has made the Conservation Plan. The Chief Wildlife Warden, Haryana vide letter dated 02.03.2015 has forwarded the Conservation Plan for approval of competent Authorities for the said Schedule-I Species. The Committee discussed the conservation plan and felt the same seems adequate.

The baseline data was generated for the period during March to May, 2014. The Committee deliberated the baseline data collected by the Project Proponent. All the parameters for water and air quality were within permissible limits except some locations for air sampling. Out of 20 locations where air sampling was done PM₁₀ level was found to be on higher side at 3 locations due to construction activity on the existing highway. All these three locations are located far from the mining area and there may not be significant impact on air quality due to mining. The Proponent has also provided mitigation measures to maintain air quality levels. Project Proponent reported that R&R plan is not applicable for this project as the mining area lies entirely on the River bed and there is no habitation on the site.

Public Hearing for the proposed Project was conducted on 16.01.2015 at 12.30 pm at project site i.e. Shahpur Village of Naraingarh Tehsil, Ambala District of Haryana State. The PH was presided over by Shri Arvind Sharma, ADM Ambala. The issues raised during the Public Hearing were also considered and discussed during the meeting. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs. 1370 Lakhs. The Proponent reported that Rs. 23.5 Lakhs will be incurred for implementation of Environment Management Plan (EMP) and Proponent also reported that Rs. 34.0 Lakhs have been earmarked towards CSR activities for the period of mining activity.

Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State and others [CWP No. 27700 of 2013] wherein the petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has also directed in its orders dated 17.12.2013, that the same shall be subject to final outcome of above said CWP. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

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

Mineral (Boulder, Gravel & Sand) in the Mine of "Ambala Unit-1" with production capacity of 17.20 Million TPA (ROM).

The Committee **recommended** additional specific conditions viz. (i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Implementation of the Recommendations of National Labour Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of mineral will not be done through any of the villages; (iii) Project Proponent shall plant native plant species and local species as suggested by villagers/specialist; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) 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; (ix) Washing of all transport vehicle should be done inside the mining lease; (x) Implementation of Schedule-I species conservation plan; (xi) 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; and (xii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Haryana and any other Court of Law.

(2.24): 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)-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. As per Seismic Zoning Map of India IS: 1893(Part-1):2002, the project is located in seismic zone-II.

The proposal was considered by the Expert Appraisal Committee in its 11th Meeting held during 25th to 27th September, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/262/2013-IA.II (M), dated 17th October, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 287.58 ha which is classified as Gair mumkin Nadi Nala. No forest land is involved. Letter of Intent (LOI) was granted by State Government of Rajasthan, vide order no. Khan (Group-2) Vibhag, S.No. Dir/P2(A8)Bhil/Bajri/2012/144, Jaipur, dated 04/02/2013 in favour of Shri Abhimanyu Choudhary for river-bed mining of minor mineral Sand (Bajri). The mine plan was approved by SME Bhilwara vide 5224/SME/BHL-C12F/Mining Plan/Mining Scheme Tehsil Sahada, dated 28.11.2013.

The Project Proponent reported that 66.65ha area will be used for excavation, 5.66ha for road, 22.0ha for Green belt development and 193.27ha area will be 'others' (undisturbed area). Mining is by opencast semi-mechanized method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Channel whichever is reached earlier. Mineral will be transported through road. The project proponent had made the traffic survey count and analyse that with increased PCU / day due to mining, the level of service (LOS) shall not be altered. The total water requirement is 22 KLD including water demand for domestic purpose (2 KLD), dust suppression (15 KLD) and green belt development (5 KLD) which shall be met by tanker supply from a private agency. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

The Project Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, and Tiger Reserves fall within the study area (10 km radius of the mine periphery). PP reported that one Schedule I species

namely Peafowl is reported in the study area. The conservation plan was prepared by the PP which is under approval with the Chief Wildlife of the State Govt. The Proponent has earmarked budget of Rs. 10.0 Lakhs for Conservation Plan for wildlife.

The baseline study for different environmental attributes was carried out during October-December, 2013. The parameters for water and air quality were within permissible limits. Public Hearing was conducted on 18.12.2014 at Tehsil Office, Sahada, District-Bhilwara which is presided over by Shri Suresh Kumar, ADM Bhilwara. The representative of Rajasthan State Pollution Control Board was also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included: 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 the project is Rs.50 Lakhs. The overall cost of environment management plan shall be Rs. 0.60 Lakhs (capital cost) and Rs. 17.79 Lakhs (annual recurring cost). Proponent informed that Rs. 4.0 Lakhs per annum 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 ~27609 MT of Bajri has been achieved after grant of temporary working permission for mining granted by Directorate of Mines & Geology, Govt. of Rajasthan, vide letter no. DIR/P.2(A.8)Bhil/Bajri/2012/1054 dated 19/12/2013.

The Committee deliberated and **deferred** the decision and desired that Project Proponent should submit the following documents/clarifications, where after, the Committee will take up the matter for further appraisal of the Project:

- (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.

(2.25): River Sand Mining Project (Minor Mineral) (Udaipur–Lohagarh and Kantli River bed)with proposed production capacity of 75.9 Lakh TPA (ROM) by M/s Mahendra Singh Ratnawat, located at Revenue village(s) of Tehsil-Udaipurwati and Nawalgarh, District-Jhunjhun, Rajasthan(MLA 2932.924ha) (Consultant: PerfectEnviroSolutions Pvt. Ltd.)-Consideration of EC

The proposal of M/s Mahendra Singh Ratnawat is for mining of River Sand (Minor Mineral) with proposed production capacity of 75.9 Lakhs TPA (ROM). The mine lease area is located at village(s) Adwana, Udaipurwati, Kakrana, Ked, Keroth, Katlipura, Kishorpura, Keerpura, Kot, Khatkad, Khoh, GudaDahar, GadlaKhurd, Gudhagaurji, Girawadi, Chanwara, Chapoli, Chawsari, Jagdishpura, Jaitpura, Jahaj, Jodhpura, Jgadaya Nagar, Toda, DhaniSokdala, DhaniKanika, Dhnaibijarniya, Dudiya, Deeppura, Dhanawata, NangliNirwan, Nangli Deep Singh, Newri, Nangal, Natasa, Naharwadi, Panchlagi, Paapdakalan, Paapdakhurd, Paukh, Bajawa, Basantpura, Bagora, Bamlaas, Basri, Basbisna, Baasmana, Bhatiwaar, Bhojgarh, Mandawara, Manaksas, Mainpura, Mawta, Rajeevpura, Haripura, Hansalsar, Heerwala, Sheonathpura, Surpura, Sarai, Seethal, Kirori, Kolsiya, Khedron Ki Dhani, Chirana, Chaudhani, TonkChilri, Devipura, Nohra, PujarikiDhani, Parasrampura, Pahadela, BagoriyonkiDhani, Barwa, Bharwari, Bhojnagar, Rampura & Lohargal, Tehsil: Udaipurwati&Nawalgarh, District: Jhunjhunu, Rajasthan in the mine lease area of 2932.924 ha. The mine lease area lies on Udaipur –Lohagarh and Kantli River bed. The Latitudes and Longitudes of the mine lease area lies between 27°40'36.62"N to 27°52'25.76"N and 75°23'09.42"E to 75°17'11.93"E on Udaipur –Lohagarh River (38Km), 27°50'21.03"N to 28°02'9.27"N and 75°40'28.00"E to 75°33'8.89"E on Kantli River and 27°42'50.79"N to 27°47'20.66"N and 75°39'29.00"E to 75°42'10.74"E also on Kantli River on Survey of India toposheet numbers 45M/5, 45M/6, 45M/9, 45M/10, 44P/12. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 12th Meeting held during 31st October–1st November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/386/2013-IA.II (M), dated 22nd November, 2013. The Proponent submitted the EIA/EMP Report online to the Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 2932.924 ha which lies on Udaipur–Lohagarh River, and Kantli River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral River Sand over an area of 2932.924ha has been granted by the Govt. of Rajasthan, vide letter No. F-7(21) Khan/Group-2/13 Jaipur dated 15.05.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no.8215/Mine Plan, dated 18.03.2014.

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

one meter from the water level of the River Chanel whichever is reached earlier. Thus, no ponding is likely to take place. Proponent informed that 1108.5ha area will be used for excavation, and 12.5ha for the green belt development. The site elevation is 437m – 355m AMSL. The Ground water depth is 15-20m bgl in pre-monsoon season and 12-18m bgl in post-monsoon season. The total water requirement is 25 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

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

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 800 no. of trucks will be deployed ~~800~~ per day (20 tonnes capacity each) which increase 3600 PCUs per day and the level of service (LOS) remains as "B". Project Proponent reported that roads will be repaired regularly and maintained in good conditions. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at all the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). PP reported that there is no Schedule-I species. The baseline data was generated for the period during December 2013 to February 2014. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 03.07.2014 at 11.00 pm at Tehsil Headquarter- Udaipurwati, Jhunjhunu. The Public hearing was presided over by Dr. Arushi Malik, Additional District Collector II. The representatives from the Rajasthan State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six month.

The cost of the Project is Rs 8.0 Crores. The Proponent has earmarked Rs. 3.0 Lakhs towards Environmental Protection Measures and Rs. 26.0 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 36.0 Lakhs have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has also made a submission that in accordance to Hon'ble Supreme Court of India's orders dated 25.11.2013, 24.02.2014 and 27.03.2014 (In Civil Appeal No. 9703-9706 of 2013) production of ~9,34,098Tonnes of Bajri has been made during December 2013 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 75.9 Lakhs TPA (ROM) in the MLA 2932.924ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.26):Mining of Mineral Bajri (Minor Mineral) (Banas River) with proposed production capacity of 1.008 million TPA (ROM) by M/s Chandak Associates, located at Revenue Village of Tehsil Uniyara, District-Tonk, Rajasthan (MLA-177.64ha) (Consultant: Enkay Enviro Services Pvt. Ltd.)-Consideration of EC

The proposal of M/s Chandak Associates, Tonk, Rajasthan is for mining of Bajri (Minor Mineral) with proposed production capacity of 1.008 Million TPA (ROM). The mine lease area is located at Revenue Villages of Tehsil – Uniyara, District –Tonk in the mine lease area of 177.64ha. The mine lease area lies on Banas River. The Latitudes and Longitudes of the mine lease area lies between 26°06'04.29" N to 26°07'59.76" N and 76°01'05.66" E to 76°04'00.57" E on Survey of India toposheet numbers 45 N/16 & 54 B/4. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 9th Meeting held during 22nd - 24th July, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/179/2013-IA.II (M), dated 13th September, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 177.64 ha which is on Banas River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand, Bajri over an area of 177.64ha has been granted by the Director of Mines and Geology Department, Govt. of Rajasthan, vide letter dated 17.01.2013 for the period of 5 years. The Mining Plan has been approved by Director, Mines and Geology, Govt. of Rajasthan; vide letter no. SME/ JP/ MP/ 305/ 13 dated 05.07.2013.

Method of Mining is Open Cast Semi-Mechanized. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River Banas whichever is reached earlier. Proponent informed that 99.96ha area will be used for excavation and 17.33 ha for safety zone against Bridge (1 no.) and Wells (2 no.). The site elevation is 242m – 239m AMSL. The Ground water depth is 8m bgl in pre-monsoon season and 5m bgl in post-monsoon season. The total water requirement is 6.0 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply. No ground water interception during the mining operations is envisaged.

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.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 180 no. of trucks will be deployed per day (20 tonnes capacity each) which increase 250 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A Supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signages will be maintained at sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). State Govt. of Rajasthan vide letter no. 508, dated 27.06.2014 has mentioned that the mine site does not fall in the Aravali Hills. Project proponent has reported that two Schedule-I species are found in the study area and accordingly the Conservation Plan has been prepared with budgetary provisions of Rs. 3.50 Lakhs. The Committee deliberated the conservation plan.

The baseline data was generated for the period during October 2013 to December 2013. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 04.06.2014 at 02.00 PM at Gram Panchayat Bhawan, Village – Banetha, Tehsil – Uniyara, District – Tonk, Rajasthan. The Public Hearing was presided over by Shri P. S. Naga, Additional District Magistrate, Tonk. 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 mining in the forest area, 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 months.

The cost of the Project is Rs. 5.50 Crores. The Proponent has earmarked Rs. 7.0 Lakhs towards Environmental Protection Measures towards recurring expenses. Proponent informed that Rs. 21.0 Lakhs per annum as capital and 10.0 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 ~79,659 Tonnes of Bajri has been made during January 2014 to March 2014 and production of ~1,79,422 Tonnes of Bajri has been made during April 2014 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance **subject to submission of compliance of TOR 8 w.r.t. present land use details and name of local species proposed for green belt development.**

The Committee also **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; (ix) Proponent need to protect the bridge and implement the Action Plan for Banetha village; and (x) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.27) Mining of Mineral Bajri (Minor Mineral) (Bandi and Mashi River) with proposed production capacity of 0.504 Million TPA (ROM) by Shri Mangal Singh Solanki, located at Villages-Jodhpur and others, Tehsil - Niwai, District - Tonk, Rajasthan (MLA 104.7775ha) (Consultant: Enkay Enviro Services Pvt. Ltd.)-Consideration of EC.

The proposal of Shri Mangal Singh Solanki is for mining of Bajri (Minor Mineral) with proposed production capacity of 0.504 Million TPA (ROM). The mine lease area is

located at Village(s) - Jodhpura and others, Tehsil – Niwai, District –Tonk in the mine lease area of 104.7775 ha. The mine lease area lies on Bandi and Mashi River. The Latitudes and Longitudes of the mine lease area lies between 26°29'02.00"N to 26°22'45.16"N and 75°46'18.81" to 75°44'35.49"E on Survey of India toposheet number 45N/ 15. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 13th Meeting held during 12th November, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/332/2013-IA.II (M) dated 09.12.2013. The Proponent submitted the EIA/ EMP Report online to Ministry for seeking Environmental Clearance after conducting Public Hearing.

The mine lease area is 104.7775 ha which lies on the Bandi and Mashi River. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral Bajri over an area of 104.7775 ha has been granted by the Director of Mines and Geology Department, Govt. of Rajasthan, vide letter dated 05.01.2013 for the period of 5 years. The Mining Plan is approved by Mines and Geology Department of State Govt. of Rajasthan, vide letter no. SME/ JP/ MP/ 621/ 13, dated 27.09.2013.

Method of mining is semi-mechanized opencast. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River Bandi and Mashi whichever is reached earlier. Proponent informed that 59.95 ha area will be used for excavation; 1.863 ha for safety zone against permanent roads (3 nos.) and wells (2 nos.). The site elevation is 287.626 – 275.262 MSL. The ground water depth is 8.0m bgl in pre-monsoon season and 5.0m bgl in post-monsoon season. The total water requirement is 10.0 KLD including water demand for domestic purpose and dust suppression which will be met by tanker supply. No ground water interception during the mining operations is envisaged.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. 7.5m 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 temporary rest shelters during operational phase.

Mineral will be transported through road. Project Proponent has made the traffic analysis survey and reported that 24 no. of trucks will be deployed per day (20 tonnes capacity each) which increase 250 PCUs per day and the level of service (LOS) remains as "A". Project Proponent reported that roads will be repaired regularly and maintained in good condition. A supervisor will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at the sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). State Govt. of Rajasthan vide letter no. 513, dated 27.06.2014 has mentioned that the mine site does not fall in the Aravali Hills. Project proponent has reported that two Schedule-I species namely Chainkara and Peafowl are found in the study area and accordingly the Conservation Plan has been prepared with budgetary provisions of Rs. 4.0 Lakhs. The Committee deliberated the conservation plan.

The baseline data was generated for the period during October 2013 to December 2013. The Project Proponent reported that parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan is applicable for this project as the mine lease area lies entirely on the River bed and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 25.06.2014 at 2:00 PM at Guest House (Irrigation Department), Village – Manoharpura, Tehsil – Niwai, District – Tonk. The Public hearing was presided over by Shri P. S. Naga, Additional District Magistrate, Tonk. The representative from the Rajasthan State Pollution Control Board was also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that depletion of bajri, water level going down, maintainance of roads/rasta, effective implementation of measures will be adopted. Project Proponent has made the action plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the action plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs. 75 Lakhs. The Project Proponent has earmarked Rs. 6.50 Lakhs towards Environmental Protection Measures per annum towards recurring expenses. Proponent informed that Rs. 15.50 Lakhs per annum as capital cost and Rs. 8.0 Lakhs 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 ~16,685 Tonnes of Bajri has been made during December 2013 to March 2014 and production of ~2,01,421 Tonnes of Bajri has been made during April 2014 to March 2015.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) with proposed production capacity of 0.504 Million TPA (ROM) in the MLA 104.7775ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records

maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.28).Paldev White Clay Mine with proposed production capacity of 25,000 TPA of White Clay by M/s Shri Sandeep Kumar Bansal, located at Village-Paldev, Tehsil-Majhgawan, District-Satna, Madhya Pradesh (16.187ha) (Consultant: Grass Roots Research and Creations (P) Ltd.)-Consideration of EC

The proposal of Shri Sandeep Kumar Bansal is for mining of White Clay (Major Mineral) in the Mine of "Paldev White Clay" with production capacity of 25,000 TPA of White Clay in mine lease area of 16.187 ha. The mine lease area is located at village- Paldev, Tehsil- Majhgawan, District- Satna Madhya Pradesh. The Latitudes and Longitudes of the mine lease area lies between 25° 07' 35.4" N to 25° 07' 53.3" N; and 80° 47' 38"E to 80° 47'56.2" E, on survey of India toposheet no 63C/16. The Project is located in seismic zone-III. The project is category 'A' due to location of mine site at a distance of 0.8 km in North direction of interstate boundary between Uttar-Pradesh & Madhya Pradesh from mine lease area.

The proposal was considered by the Expert Appraisal Committee (Mining) in its 6th meeting held during 16th – 18th April 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR were issued by the

Ministry vide letter no. J-11015/66/2013-IA.II (M) dated 20.05.13. The Proponent submitted the EIA/EMP report online to the Ministry seeking environmental clearance after conducting the Public Hearing.

The proposed project is an open-cast mining project, confined to excavation of white clay from the proposed site. The rate of production of white clay will be 25,000 TPA. Total mine lease area is 16.187 ha. The operation will be open cast mining other than fully mechanised method with HEMM. The ML area was sanctioned under ML to M/s Bansal and Company, Jaitwara for 30 years period w.e.f. 03.12.2004 to 02.12.2034 Vide letter No.- F-3-3/2001/12/2 dated 14.07.2004. The ML area has been transferred to the present lessee vide State Govt. order no. F 3 -3/2001/12/1 Bhopal dated 31.03.2011. The transfer deed in Form 'O' was executed on 05.05.2011. Mining Plan including Progressive Mine Closure Plan for the proposed mine has been approved by IBM, vide letter no. MP/Satna/Whiteclay/M.Sch-69/13-14 dated 04.09.2014. The transportation from mine head to destination will be done by trucks. At the end of life of mine the entire excavated area will be rehabilitated and reclaimed by backfilling. Total water requirement for the project is 16 KLD, which will be met from dug wells/ bore wells of nearby site services.

Project Proponent reported that no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves exist within 10 km of the mine lease area. However some reserve and protected forest are present in the study area. No Schedule-I species is reported in the Buffer zone. The baseline data was collected during Post Monsoon Season 2013 (October -December). All the parameters were within permissible limits.

Public Hearing was held during 16.10.2014 at 11:00 am at the mine site and presided over by Mr.Suresh Kumar, Additional Collector District Satna. The representative of Madhya Pradesh State Pollution Control Board was also present. The Committee discussed the issues raised during Public Hearing which inter-alia, included, socio- economic development viz. infrastructural development, Health, Education etc.; Drinking water supply, environment related issues, employment, Road & Transportation etc. As per the villager's requirements, the company would take care of socio-economic development under Corporate Social Responsibility, Environmental Mitigation measures will be undertaken.

Total cost of the Project is Rs. 1 crore. Proponent has earmarked Rs. 7.5 Lakhs for Environmental Protection Measures as Capital Cost and Rs. 11.0 Lakhs per annum as recurring cost. 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 Mining of Mineral White Clay Mine with proposed production capacity of 25,000 TPA (ROM) in the MLA 16.187ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) 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; (vii) Washing of all transport vehicle should be done inside the mining lease; and (viii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Madhya Pradesh and other Court of Law, if any.

(2.29): Mining of Shale Stone (Minor Mineral) with proposed production capacity of 6,000 TPA (ROM) by M/s R.C. Gupta & Hem Kumar Gupta, located at village-Kangeti, Tehsil-Malhargarh, District-Mandsaur, Madhya Pradesh (Survey No. – 1585/1, 2095, 2115, MLA-24.90 ha) (Consultant: Apex Mintech Consultants)- Consideration for EC

The proposal of M/s R.C. Gupta & Hem Kumar Gupta is for mining of Shale Stone (Minor Mineral) with proposed production capacity of 6,000 TPA (ROM). The mine lease area is located at Village-Kangeti, Tehsil: Malhargarh and District: Mandsaur, Madhya Pradesh. The area of lease is 24.90 ha. The Mining lease area lies between the Latitudes of 24°12'42"N & 24°13'06"N and the Longitudes of 74°55'58.5"E & 74°56'33"E. It can be seen on Survey of India toposheet number 46 L/16. The Project is located within Seismic zone-II. It is a Category 'A' Project because it is situated within a distance of 5 Km from State boundary (boundary of Rajasthan & Madhya Pradesh).

The proposal for prescribing the Terms of Reference (TOR) was considered by the Expert Appraisal Committee in its 4th Meeting held during 20th – 22nd February, 2013 for undertaking detailed EIA study. The TOR was issued by the MoEF&CC vide letter No. J-11015/396/2012-IA.II (M), dated 1st April, 2013. The Proponent submitted the EIA/EMP Report online to the Ministry on 11.2.2015 for seeking Environmental Clearance after conducting Public Hearing on 20.08.2014.

The mining lease area is 24.90 ha which is classified as Govt. waste land. No forest land is involved. Originally, the mining lease for mineral Shale Stone, near village Kangeti, Tehsil Malhargarh, District Mandsaur (M.P.) over an area of 91.11 ha was granted in favour of M/s. Kashi Ram Dayal Gupta for a period of 20 years effective from 20.10.1953. Thereafter, it was renewed for a period of 20 years and the renewed period was expired on dated 19.10.1993. After the death of Shri Kashi Ram Gupta, the mining lease has been mutated in the names of legal heirs Shri Ramesh Chandra Gupta & Hem Kumar Gupta (Partnership Firm). Shri Hem Kumar Gupta has given a General Power of Attorney to Shri Ramesh Kumar Gupta on 03.02.1992 regarding all work related to mines. Thereafter 2nd renewal of mining lease was done by the State Govt. Vide order No. 3/278/95/12 dated 27.9.1994 for a period of 10 years, effective from 20.10.1993 for an area of 82.240 ha and the 2nd renewal period expired on 19.10.2003. The third renewal application for an area of 82.240ha has already been submitted to the State Govt. in time on 22.10.2001. Again the lessee requested for reducing the area of mining lease to 24.90ha and accordingly the State Govt. has renewed the lease for 20 years w.e.f. 20.10.2003 to 19.10.2023. The lease deed will be executed only after getting the Environmental Clearance as per Notification dated 14.09.2006 issued by MoEFCC.

The Mining Plan along with Progressive Mine Closure Plan was approved under the Rules 24 (A) of M.C.R. 1960 (for renewal of mining lease) & Rules 23 (B) of M.C.D.R. 1988 for an area of 24.90 ha vide letter no. MND/SHALE/MPLN-166/NGP Dated 24/09/2012. The method of Mining is manual opencast. The mineral is excavated manually with the help of hand tools, like pick axes, chisels, hammers, etc. by forming 1.5m high benches. No drilling & blasting is required. The waste material is temporarily stacked by forming external dumps which will be used for backfilling the excavated portion at a later date. The mineral is loaded into tractor trolleys and transported to the nearby Slate pencil factory situated outside the lease hold. The lease area is almost flat. The elevation of the highest point is 471 m amsl and that of the lowest one 468 m amsl. The mineral is out cropping at some places. It lies under a cover of 1 to 2 m. thick layer of alluvium, ferruginous shale etc.

The ground water depth is 18 m bgl in pre monsoon season and 13 m bgl in post monsoon season. The total water requirement is 5 KLD, including water required for domestic purpose, dust suppression and plantation. 1 KLD of water required for drinking purpose is obtained from a hand pump situated outside the lease area. Water required for other purposes is taken from the water sump located inside the pit. Since the mine working will extend up to a depth of only 8m

from the surface and the ground water level is 18 m bgl, there are no chances of mining operations intersecting the ground water table.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). However the project site lies within Interstate boundary between the states of Rajasthan and Madhya Pradesh. The baseline data were generated for the period October 2013 to December 2013. All the parameters for water and air quality were within permissible limits. The Committee deliberated upon the baseline data collected by the Project Proponent. The Project Proponent reported that there is no R&R plan applicable to the project as the mine lease area lies on a piece of Govt. Waste land having no habitats.

The Public Hearing for the proposed Project was conducted on 20.08.2014 at 11.00 AM at the Guest House of Pipliya Mandi, Distt. Mandsaur. The Public hearing was presided over by Shri J.C. Borasi, Additional District Magistrate, Mandsaur. The representatives of the Madhya Pradesh State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, which included that priority would be given to the local people in employment, effective measures to control dust pollution would be taken, water conservation measures would be taken, social and other village development activities would be carried out and the nearby fields would not be harmed. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that the 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. 50.00 Lakhs. The Proponent has earmarked Rs. 2.15 Lakhs capital cost of Environmental Protection Measures and Rs. 4.60 Lakhs per annum as recurring cost. Proponent also informed that a sum of Rs. 2.00 Lakhs per annum has been earmarked for CSR activities to be carried out during the ensuing years.

PP has reported that they did **violation** of the provisions of Environment Protection (Act), 1986 as mining activity continued without obtaining Environmental Clearance. The fact of violation having been committed by the PP, has been conveyed to the Member Secretary, Bhopal and PP has been requested to initiate necessary legal action against the PP. In response to that, the Member Secretary directed the R.O., Ujjain to initiate necessary legal action against the Proponent. The action against violation is still awaited.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance subject to **actions on violation** for Mining of Shale Stone (Minor Mineral) with proposed production capacity of 6,000 TPA (ROM)

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and

Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of mineral will not be done through any of the villages; (iii) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (iv) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (v) 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; (vi) Washing of all transport vehicle should be done inside the mining lease; and (vii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Madhya Pradesh and other Court of Law, if any.

(2.30). Kashinathpur Stone Mining proposal with proposed production capacity of 1,00,080 TPA (ROM) along with installation of crusher by M/s Hills Stone Works, located at village Kashinathpur, Tehsil & District Pakur, Jharkhand (9.57ha) (Consultant: Grass Roots Research and Creation India (P) Ltd)- Consideration of EC

The proposal of M/s Hills Stone Work is for mining of Stone (Minor Mineral) with proposed production capacity of 1,00,080 TPA (ROM) of stone along with installation of crusher. The mine is located at village Kasinathpur, Tehsil-Pakur, District-Pakur, Jharkhand in the mine lease area of 9.576ha. The Latitudes and Longitudes of the mine lease area lies between 24° 21' 18.87" to 24° 21' 34.92"N; and 87° 43' 55.46"E to 87° 44' 14.35" E on Survey of India toposheet numbers 72P/7, 72P/11. The Project is located in Seismic zone-III. It is a category 'A' project as the mine is located interstate boundary of Jharkhand and West Bengal within 5 km of the mine lease area.

The proposal of TOR was considered by the Expert Appraisal Committee in its 5th Meeting held during 13th - 15th March 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF vide letter No. J-11015/463/2012-IA II(M), dated 01-05-2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 9.576ha which is Government waste land. No forest land is involved. Mining lease was granted over an area of 9.57ha for a period of 10 years from 26.12.2008 to 25.12.2018. The Mining Plan is approved by Department of Mines and Geology, Govt. of Jharkhand vide letter no.105, dated 01.11.2014. Proponent reported that 5.52ha area will be used for excavation, 0.34ha for road, 1.62ha for Green belt development and 1.501ha area will be the others (undisturbed area). Mining is done by semi-mechanized opencast method. Excavation will be carried out up to a maximum depth up to 20 meters. Anticipated life of mine is 18 years. Mineral will be transported through road.

Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). The baseline data was generated for the period during October 2013 to December 2013. All the parameters for water and air quality were within permissible limits.

The Public Hearing for the proposed project was conducted on 06-09-2014 at 11:00 am at Ikai Parisar Village-Kasinathpur, District- Pakur, Jharkhand. The Public Hearing was presided over by Shri Gandur Oraon, ADM Pakur. The representatives from the Jharkhand State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The cost of the Project is Rs. 1 Crores. The Proponent has earmarked Rs. 3.5 Lakhs towards Environmental Protection Measures and Rs. 5.4 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 4.70 Lakhs in five year plan period have been earmarked towards CSR activities.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Stone (Minor Mineral) with proposed production capacity of 1,00,080 TPA (ROM) along with installation of crusher in the MLA 9.57ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of mineral will not be done through any of the villages; (iii) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying

with traffic congestion and density; (iv) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (v) 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; (vi) Washing of all transport vehicle should be done inside the mining lease; and (vii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Jharkhand and other Court of Law, if any.

(2.31): Mining at Sand (Minor Mineral) in "Panipat Unit-3" with proposed production capacity of 7.0 million TPA of Sand (ROM) by M/s Jai Karan, located at Village(s) – Rakshera, Kakroli & Mahaoti, Tehsil – Samalkha, District - Panipat, Haryana (MLA: 780.80ha)(Consultant: Mantec Consultants Pvt. Ltd.)-Consideration of EC

The proposal of M/s Jai Karan is for the mining of sand from "Panipat unit-3" with production capacity of 7.0 million TPA of Sand (ROM). The mining areas are located at village(s) – Rakshera, Kakroli & Mahaoti, Tehsil – Samalkha, District Panipat, Haryana in mine lease area of 780.80ha. The mining areas lie in the bed of River Yamuna & outside the river bed in fields. The geographical limits of the mining area in river bed of Rakshera village are from Latitudes- 29°11'43.37" to 29°10'01.67"N Longitudes-77°08'34.00E 77°08'00.19"E. In Kakroli (outside the river bed) limits are from Latitudes-29°12' 29.03"to 29°11'41.56"N and Longitudes-77°05'46.94" to 77°06'01.19"E. In Mahaoti village (outside riverbed) geographical limits are from Latitudes-29°11'57.54" to 29°10'28.93"N & Longitudes-77°03'59.64"E to 77°4'53.73"E. Toposheet Nos. of the area are 53G/3, 53G/4, 53C/14, 53C/15 with highest 222 m AMSL to lowest 219 m AMSL in River bed & highest 224m AMSL to lowest 225m AMSL outside river bed. The Project is located in seismic zone-III and the Haryana-Uttar Pradesh Border falls adjacent to the proposed mining area.

The Proposal of TOR was considered by the Expert Appraisal Committee in its Meeting held during March 20-21, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter no. J-11015/59/2014-IA.II (M), dated 19th August, 2014. The Proponent submitted the EIA/EMP Report online to the Ministry after conduction the Public Hearing.

The present proposal pertains to mining of river sand. The rate of production will be 7.0million TPA (ROM). The Project Proponent reported that the Sand from the dried river bed will be excavated at the rate of 1.5 million TPA (ROM) and outside the river bed at the rate of 5.5 million TPA (ROM). Total proposed area is 780.80ha, out of which, river bed area is 114.80ha, agricultural land area is 666

ha and restricted area for mining is 167.90ha (Bridges, roads, anicuts, 7.5m lease boundary, 25% river bank sides etc., 50m strip after each km).

The Letter of Intent has been issued by the Director of Mines and Geology, State Govt. of Haryana, Chandigarh, vide letter no. DGM/Hy/Panp unit-3/2013/127 dated 03.01.2014. Mine Plan has been approved by Department of Mining & Geology, Haryana vide letter no. DMC/HY/MP/PNP unit-3-5513, dated 01.12.2014. The Committee noted that Mine Plan has been approved by Department of Mining & Geology, Haryana vide letter dated 01.12.2014 and the Public Hearing was held during 22.12.2014. Thus the Public was informed about the Mining Proposal with a draft Mine Plan only. In this context, Mining & Geology Department of State Govt. vide letter dated 30.04.2015 has also confirmed that the contents of mine plan are by and large same except that of certain typographical corrections.

Method of mining will be opencast manual mining in river bed and semi mechanized in agricultural land. Excavation on River bed 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; Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first. No drilling and blasting shall be adopted. There will be no mining in river bed during monsoon season. Geological Reserves in the mining area are estimated to be 10,01,28,000 MT whereas Mineable Reserve is estimated to be 7,93,98,000 MT. Period of mining will be 9 years. The machinery for the mining will be excavators, dumpers and tractors trolleys etc. No waste shall be generated from dried river bed mining; however, 2m topsoil generated from agricultural land mining shall be utilized, simultaneously. Total water requirement shall be 15 KLD which will be used in sprinkling, plantation and domestic purposes. Water shall be supplied with the help of private water tankers from nearby villages. Mineral will be transported through road.

Project Proponent has made the Traffic Analysis survey and reported that 933 no. of trucks will be deployed 933per day (25 tonnes capacity each) and the level of service (LOS) remains average. 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 all the sensitive places. No objection certificate for the use of existing road is taken from Deputy Commissioner Panipat.

Project Proponent reported that there is no Wildlife Sanctuary, National Park, Habitat for Migratory Birds, Tiger Reserve and Critically Polluted Area etc. located within 10 km radius of the proposed mine. There are three Schedule-I species namely Black buck, Peacock & Monitor Lizard and Schedule-II species namely Jackal, Jungle cat & Indian Grey mongoose, and Rat Snakes found in buffer zone. The conservation plan has been forwarded by the Chief Wildlife Warden Haryana vide letter dated 13.02.2015. The Proponent has proposed a sum of Rs 26.0 Lakhs for conservation of all Schedule I & II species.

The base line data of one Season (Pre-monsoon) was collected from March-2014 to May-2014. The parameters for water and air quality were within permissible limits. The Committee deliberated the baseline data collected by the Project Proponent.

Public Hearing for the proposed Project was conducted on 22.12.2014 at 3:00PM at Village-Rakshera, Tehsil-Samalkha, District-Panipat. The Public Hearing was presided over by Mr. Sujan Singh, Additional Deputy Commissioner, Panipat. The representatives from the Haryana 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, green belt development, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The total cost of the Project is Rs. 2.0 Crores. The cost on environment protection measures will be Rs. 15.0 Lakhs. It is proposed to incur Rs. 15.0 Lakhs on CSR activities. Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State and others [CWP No. 27700 of 2013] wherein the petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has directed in its orders dated 17.12.2013 that the same shall be subject to final outcome of above said CWP. Accordingly, the acceptance /Lol was issued subject to the outcome of the said case, which is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Sand (Minor Mineral) in "Panipat Unit-3" with proposed production capacity of 7.0 million TPA of Sand (ROM) in the MLA of 780.80ha.

The Committee **recommended** additional specific conditions viz. (i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Implementation of the Recommendations of National Labour Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (ii) Transport of mineral will not be done through any of the villages; (iii) Project

Proponent shall plant native plant species and local species as suggested by villagers/specialist; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) Excavation on River bed 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; Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (x) Washing of all transport vehicle should be done inside the mining lease; (xi) Implementation of Schedule-I species conservation plan; (xii) Project Proponent shall implement the Disaster Management Plan as the mine lease area is located in Seismic Zone-III. 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; and (xiii) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Haryana and any other Court of Law.

(2.32): Mining of Mineral Bajri (Minor Mineral) on the River bed of Sukari and Sagi River with proposed production capacity of 10,50,000 TPA (ROM) by M/s Anil Joshi, located at Revenue villages of Tehsil-Bagora, District- Jalore, Rajasthan (MLA-2597.06ha) (Consultant: Vardan Environet, Haryana)-Consideration of EC.

The proposal is of M/s. Anil Joshi for mining of Bajri (Minor Mineral) with proposed production capacity of 10,50,000 TPA (ROM). The mine lease area is located at Revenue villages of Tehsil Bagora and District: Jalore, Rajasthan in the mine lease area of 2597.06 ha. The mine lease area lies on Sukari and Sagi River beds. The Latitudes and Longitudes of the mine lease area lies between 25°04'44.82"N to 25°11'35.88"N and 71°51'7.29"E to 72°5'47.18"E on Survey of India toposheet numbers 45 C/4, 40 O/16. The Project is located in Seismic zone-II.

The proposal of TOR was considered by the Expert Appraisal Committee in its 12th Meeting held during 31st October-1st November, 2013 to determine the

Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/341/2013-IA.II (M) dated 22nd November, 2013. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mine lease area is 2597.06ha which is Sukari and Sagi River bed. No forest land is involved. Letter of Intent (LOI) for grant of mining lease for minor mineral *Bajri* over an area of 2597.06ha has been granted by the Director of Mines and Geology Department, Govt. of Rajasthan, vide letter dated 20.3.2015 for the period of 5 years. The Mining Plan has been approved by SME, Mines and Geology, Govt. of Rajasthan; vide letter no. SME /JO /CC /JALORE/MINOR/BAJRI/M.L.No.-27/2012/15461,dated 18/11/2013.

Method of Mining is opencast semi-mechanized. Excavation will be carried out up to a maximum depth of 3.0 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 138.89 ha area will be used for excavation. The site elevation is 66.0 to 97.5 mRL. The Ground water depth is 20m bgl in pre-monsoon season and 18m bgl in post-monsoon season. The total water requirement is 25.2 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard. The working is proposed on higher elevations; no ground water interception during the mining operations is envisaged.

Project Proponent reported that mining will be done leaving a safety distance of 7.5m along the mining lease boundary. 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 ramps, temporary rest shelters during operational phase and these will be removed at the time of mine closure.

Mineral will be transported through road. Project Proponent has made the Traffic Analysis survey and reported that 32 no. of trucks will be deployed per day (20 tonnes capacity each) which increases 144 PCUs per day and the level of service (LOS) will be "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. Speed breakers and signage will be maintained at sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary).State Government of Rajasthan vide letter dated 03.02.2015 has confirmed that the lease does not falls in Aravali range. The baseline data was generated for the period during October 2013 to December 2013 and it was reported that the parameters for water and air quality were within permissible limits. The Committee deliberated at length on the baseline data collected by the Project Proponent. Project Proponent reported that no R&R plan is applicable for

this project as the mine lease area lies entirely on the River bed which is Gair mumkin Nadi Nalla and there is no establishment on the site.

Public Hearing for the proposed Project was conducted on 28.08.2014 at 2.00 PM at Rajeev Gandhi Seva Kendra, gram Panchayat Bagora, Tehsil Bagora, District Jalore, Rajasthan. The Public hearing was presided over by Shri Asha Ram Dudi, Additional District Collector, Jalore. The representatives from the Rajasthan State Pollution Control Board were also present. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields. Project Proponent has made the Action Plan with budgetary provisions. The Committee deliberated and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs. 261 Lakhs. The Proponent has earmarked Rs. 20.0 Lakhs towards Environmental Protection Measures and Rs. 7.0 Lakhs per annum towards recurring expenses. Proponent informed that Rs. 10.0 Lakhs per annum have been earmarked towards CSR activities for next five years of mining operation. The Project Proponent has informed that 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) has ordered to continue the mining operation. However Project Proponent has not started the mining operation.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Mineral Bajri (Minor Mineral) on the River bed of Sukari and Sagi River with proposed production capacity of 10,50,000 TPA (ROM) in the MLA 2597.06ha.

The Committee **recommended** additional specific conditions viz. (i) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities; (ii) Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.; (iii) Transport of mineral will not be done through any of the villages; (iv) Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (v) Implementation of Action Plan on the issues raised during the Public Hearing.

The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vi) Excavation will be carried out up to a maximum depth of 3 meters from surface of mineral deposit and not less than one meter from the water level of the River channel whichever is reached earlier; (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (viii) Washing of all transport vehicle should be done inside the mining lease; and (ix) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Rajasthan and other Court of Law, if any.

(2.33): Mining of Minor Mineral (Sand) in the Mines of "Sonepat Unit-3" with production capacity of 12.35 million TPA (ROM) of Sand by M/s. VNS Infrastructure Private Limited, located at Tehsil & District-Sonepat, Haryana (993.10 ha)-(Consultant: Greencindia Consulting Pvt. Ltd.)-Consideration of EC

The proposal of M/s VNS Infrastructure Private Limited is for mining of Sand (Minor Mineral) with proposed production capacity of 12.35 Million TPA (ROM) which involves mining of sand from river bed of Yamuna River and agricultural land outside riverbed. The mining area is located at village(s)-Khurampur, Pabsara & Manauli in District Sonepat in Haryana in the mining area of 933.10 ha. The Latitudes and Longitudes of mining area in Agricultural land are 28°53'34"N to 28°56'23"N and 77°10'15"E to 77°12'16"E respectively while the Latitudes and Longitudes of mining area in River bed are 28°54'09"N to 28°55'09"N and 77°12'48"E to 77°13'45"E on toposheet number 53 H/1. The Project is located in Seismic zone-IV.

The proposal of TOR was considered by the Expert Appraisal Committee in its 18th Meeting held on March 20th-21st 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TOR was issued by MoEF&CC vide letter No. J-11015/40/2014-IA II (M), dated 09.05.2014. The Proponent submitted the EIA/EMP Report online to Ministry for seeking environmental clearance after conducting Public Hearing.

The mining area is 933.10ha. No forest land is involved in the project site. Letter of Intent (LOI) for grant of mining contract for Sand (minor mineral) has been granted by the Director of Mines and Geology Department, Govt. of Haryana, vide letter dated 03.01.2014 for the period of 9 years. The Mining Plan is approved by Department of Mines and Geology, Government of Haryana vide letter No.DMG/HY/SNP 3/M.Plan/5487/5490, dated 28.11.2014. The rate of production will be 12.35 million TPA (ROM) of Sand. The Project Proponent reported that the Sand from the river bed will be excavated at the rate of 3.15 million TPA (ROM) and on Agricultural land will be 9.20 million TPA (ROM). Total lease area is 993.10 ha, out of which River bed area is 77.10ha, and agricultural

land area is 916ha. Project Proponent reported that 732.8ha will be used for excavation in the Agricultural land and 56.26ha will be used for excavation on the River bed.

Method of Mining is opencast semi-mechanized. Excavation on River bed 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. Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first. The site elevation is 209 m – 215 m AMSL. The average ground water depth is 5-20m bgl. Proponent informed that 789.06 ha area will be used for excavation and 204.04 ha will be used as safety zone. The total water requirement is 17 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply. There will be no ground water interception during the mining operations.

Mining will be done as per Approved Mine Plan and adhering to all rules and regulation of Haryana minor Mineral Concession, Stocking and transportation of Mineral and Prevention of Illegal Mining Rules 2012. Mining will be done only in central 3/4th part of river leaving a safety zone on both river banks. No mining will be done in the zone of 250m on upstream side of bridge and 500m on downstream side. Mining will be done only during day time and completely stopped in monsoon season. Project Proponent reported that there will be temporary construction of ramps and rest shelters during operational phase and these will be removed at the time of mine closure.

The mining area is spread over two blocks and Mineral will be transported through road. While mining, trucks will make 3294 trips per day. After commencement of the mining operations, the projected traffic represents conditions of stable flow (LOS Category 'B'). Project Proponent reported that adequate traffic management measure will be undertaken and speed breakers and signage will be maintained at sensitive places.

Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves fall within the study area (10 km radius of the mine boundary). There are two Schedule-I species, namely Peacock and Monitor lizard in the study area. Project Proponent has prepared the Conservation Plan and made the provision of Rs. 32.0 lakhs for Conservation of Schedule species. The Committee deliberated on the Conservation Plan.

The baseline data was generated for the period during March to May 2014. Concentration of Particulate Matter (PM₁₀) is on the higher side at one location at Bagpat. The location lies 2 km away from the mining area across River Yamuna and mining activities may have no incremental impact on air quality. Project Proponent reported that no R&R plan is applicable for this project since land will be temporarily taken on lease from landowners.

The Public Hearing for the proposed Project was conducted on 17.09.2014 at 11.00 am at project site i.e. Manauli village, District Sonapat. The Public Hearing was presided over by Shri S.P. Srow, District Commissioner, Sonapat District. The Haryana State Pollution Control Board, vide letter nos. HSPCB/2015/663, dated 02.03.2015 and HSPCB/2015/678, dated 05.03.2015 has confirmed that the Public Hearing was concluded on 17.09.2014 as per the provisions of the EIA Notification, 2006. The representative of Haryana State Pollution Control Board was also present. The issues raised during the Public Hearing were also discussed during the meeting, which inter-alia, includes 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 agricultural fields. Project Proponent has made the Action Plan with budgetary provisions.

The Member Secretary informed the Committee that the Ministry has received a Complaint on 28.04.2015 from a Resident of village Manauli, Sonapat. The Committee deliberated on the complaint and viewed the videography of the Public Hearing and asked the Proponent to clarify a complaint received by the Committee. The Proponent has clarified the issues raised in the Complaint and written submission was also made vide letter dated 30.04.2015. The same were deliberated by the Committee. The Committee discussed and is of the view that PP needs to implement the Action Plan and the Implementation Report has to be submitted to the Regional Office of the MoEF&CC every six months.

The cost of the Project is Rs. 600 Lakhs. The Proponent informed that Rs. 21.0 Lakhs will be incurred for implementation of Environment Management Plan (EMP) and Proponent also informed that Rs. 23.0 Lakhs have been earmarked towards CSR activities for the period of mining activity. Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State and others [CWP No. 27700 of 2013] wherein the petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has also directed its orders dated 17.12.2013 that the same shall be subject to final outcome of above said CWP. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

The Committee deliberated at length the information submitted by PP and **recommended** the Proposal for environmental clearance for Mining of Sand (Minor Mineral) in the Mines of "Sonapat Unit-3" with production capacity of 12.35 million TPA (ROM) of Sand in the MLA 993.10ha.

The Committee **recommended** additional specific conditions viz. (i) Transport of mineral will not be done through villages; (ii) Project Proponent shall provide the potable water to the villagers which are having high fluoride concentration; (iii) Project Proponent shall plant native plant species of Amla, Tamarind, Neem, Arjun, Bauhinia and other local species as suggested by

villagers/specialist; (iv) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Implementation of the Recommendations of National Institute for ensuring good occupational environment for mine workers; All the old age people of the surrounding villages may be provided medical facilities; (v) An independent study be organised during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential sand extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of the sand; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density; (vi) Implementation of Action Plan on the issues raised during the Public Hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing; (vii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table; (viii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre; (ix) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (x) Washing of all transport vehicle should be done inside the mining lease; (xi) Proposed Protective measures in respect of Project located in seismic zone-III as part of Disaster management plan; (xii) Excavation on River bed 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; Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first; (xiii) 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; and (xiv) "Environmental Clearance is subject to final outcome of Hon'ble High Court of Punjab and Haryana on the mentioned case".

Consideration of TOR Proposal

(2.34).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-40.85ha) (Consultant: Vardan Environet, Haryana)-Consideration of TOR

The proposal of M/s Anand Singh and Company is for mining of Sand (Minor Mineral) with proposed production capacity of 14.0 Lakhs TPA of Sand (ROM) in the mine lease area of 40.85 ha, out of which 29.55ha area falls in the river bed and 11.30ha area falls in agricultural land (outside river bed). It is Category 'A' project as the site is located at 1 km distance from Interstate Boundary of Haryana and Uttar Pradesh. The mine lease area is located between the following coordinates:

Coordinates:- 1). Tikola-2 River Bed Block	S.No.	Latitude	Longitude
	North West Corner	29° 04' 22"N	77° 09' 11"E
	North East Corner	29° 04' 22" N	77° 09' 50"E
	South West Corner	29°04' 11" N	77° 09' 52"E
	South East Corner	29°04' 10" N	77° 09' 19"E
2). Tikola-2 Outside River Bed Block	S.No.	Latitude	Longitude
	North West Corner	29° 04' 21" N	77° 08' 28"E
	North East Corner	29° 04' 21" N	77° 08' 40"E
	South West Corner	29°04' 09" N	77° 08' 40"E
	South West Corner	29°04' 09" N	77° 08' 28"E
Toposheet number	H43R4, H43X1, H43R8, H43X5		

The LOI has been granted by Director General, Department of Mines and Geology, Haryana vide memo No. DMG/Hy/Cont/Tikola-2 Sand Unit/2015, dated 02.01.2015 for 9 years. Total mine lease area is 40.85ha. Method of mining will be opencast semi-mechanized in river bed and open cast mechanized method in outside river bed block, without drilling and blasting. Loading of waste and minerals into trucks / tippers will be done by using excavators and transported to nearby industries. Total water requirement for the proposed project will be 20 KLD. Water for dust suppression, domestic and drinking purpose will be supplied from existing Dug well / Tube well situated in the nearby areas. The cost of the project is Rs. 13.17 Crores. Project Proponent reported that there is no National Park and Wildlife Sanctuary within the 10 km radius of the project site.

Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State of Haryana and others [CWP No. 27700 of 2013] wherein the Petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions

may be held but it has also directed in its orders dated 17.12.2013, that the same shall be subject to final outcome of the above said CWP. Accordingly, the acceptance / Lol was issued subject to the outcome of the said case. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

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**.

(2.35).Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 25.20 Lakhs TPA (ROM) by M/s Tekno Exports, located at Village- Barauli-2, Tehsil and District-Sonipat, Haryana (MLA-68.19ha) (Consultant: Vardan Environet, Haryana)-Consideration of TOR

The proposal of M/s Tekno Exports is for mining of Sand (Minor Mineral) with production capacity of 25.20 Lakhs TPA of Sand (ROM) in the mine lease area of 68.19ha, out of which 57.99ha area falls in the river bed and 10.20ha area falls in agricultural land (outside river bed). The site is located at 1 KM distance from Haryana and Uttar Pradesh inter-state boundary. The mine lease area is located between the following coordinates:

Coordinates	River bed Coordinates	Outside River bed Coordinates
	North- west corner :- 29° 1' 27"N, 077° 09' 54"E	North- west corner :- 29° 1' 10" N, 077° 08'57.5"E
	North- East corner :- 29° 01' 27"N, 077° 10' 55"E	North- East corner :- 29° 01' 10"N, 077° 09' 7.5"E
	South- East corner :- 29° 01' 13" N, 077° 11' 03"E	South- East corner :- 29° 01' 00"N, 077° 09' 10"E
	South- west corner :- 29° 01' 13" N, 077° 10' 13"E	South- west corner :- 29° 01' 00"N, 077° 08' 55"E
Toposheet number	H43R4, H43X1, H43R8, H43X5	

The LOI has been granted by Director General, Department of Mines and Geology, Haryana vide memo No. DMG/Hy/Cont/Barauli-2 Sand Unit/2015, dated 21.01.2015 for 10 years. Total mine lease area is 68.19 ha. Method of mining will be opencast semi-mechanized in river bed and open cast mechanized method in outside river bed block, without drilling and blasting. Loading of waste and minerals into trucks / tippers will be done by using excavators and transported to nearby industries. Total water requirement for the proposed project will be 25 KLD. Water for dust suppression, domestic and plantation will be supplied from existing Dug well / Tube well situated in the nearby areas. The cost of the project is Rs. 22.2 Crores. No National Park and Wildlife Sanctuary falls within the 10 km radius of the project site.

Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State of Haryana and others [CWP No. 27700 of 2013] wherein the Petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has also directed its orders dated 17.12.2013 that the same shall be subject to final outcome of above said CWP. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

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**.

(2.36).Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 16.5 Lakhs TPA (ROM) by M/s Aleron Consultants (India) Pvt. Ltd., located at Village-Bega-Chandauli-Pabnera, Tehsil & District – Sonipat, Haryana (MLA-45.22ha) (Consultant: Vardan Environet, Haryana)-Consideration of TOR

The proposal of M/s Aleron Consultants (India) Pvt. Ltd. is for mining of Sand (Minor Mineral) with production capacity of 16.50 Lakhs TPA of Sand (ROM) in the mine lease area of 45.22 ha, out of which 35.22ha area falls in the river bed and 10.20ha area falls in agricultural land (outside river bed). The project is located at 1 km distance from Haryana and Uttar Pradesh inter-state boundary therefore treated as Category 'A' Project. The mine lease area is located between the following coordinates:

Coordinates:- 1). River Bed Block	S.No.	Latitudes	Longitudes
	North West Corner	29° 08' 11"N	077° 08' 32"E
	North East Corner	29° 08' 11" N	077° 08' 40"E
	South East Corner	29° 07' 54" N	077° 08' 49"E
	South West Corner	29° 07' 23" N	077° 08' 32"E
2). Outside River Bed Block	S.No.	Latitudes	Longitudes
	North West Corner	29° 7' 58" N	077° 07' 10"E
	North East Corner	29° 07' 58" N	077° 07' 17.5"E
	South East Corner	29° 07' 42" N	077° 07' 20"E
	South West Corner	29° 07' 42" N	077° 07' 12.5"E
Toposheet number	H43R4, H43X1, H43R8, H43X5		

Total mine lease area is 45.22 ha. The LOI has been granted by Director General, Department of Mines and Geology, Haryana vide memo No. DMG/Hy/Cont/Bega-Chandauli-Pabnera Sand Unit/2015, dated 21.01.2015 for 8 years. Method of mining will be opencast semi-mechanized in river bed and open

cast mechanized method in outside river bed block, without drilling and blasting. Loading of waste & minerals into trucks / tippers will be done by using excavators and transported to nearby industries. Total water requirement for the proposed project will be 20 KLD. Water for dust suppression, domestic & drinking purpose will be supplied from existing Dug well / Tube well situated in the nearby areas. The cost of the project is Rs. 12.15 Crores. No National Park & Wildlife Sanctuary falls within the 10 km radius of the project site.

Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State of Haryana and others [CWP No. 27700 of 2013] wherein the Petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has also directed its orders dated 17.12.2013 that the same shall be subject to final outcome of above said CWP. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

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**.

(2.37): Sivaganga Graphite Mine with enhancement of production capacity from 0.6 Lakh TPA (ROM) to 1.05 Lakh TPA (ROM) by M/s Tamil Nadu Minerals Limited, located at Villages - Kumarapatti, Taluk - Sivaganga, District - Sivaganga, Tamil Nadu (236.85 ha)- (Consultant – Creative Engineers & Consultants) –TOR

The proposal of M/s Tamil Nadu Minerals Limited is for mining of Graphite with enhancement of production capacity from 0.6 Lakh TPA (ROM) to 1.05 Lakh TPA (ROM). The Mine is located at Villages - Kumarapatti, Taluk - Sivaganga, District - Sivaganga, Tamil Nadu in the mine lease area of 236.85 ha. Mine lease area falls in the survey of India Toposheet no 58 K/5 and lies between East longitude 78°23'0" and 78° 27'00" and North latitude, 9°52'30" & 9° 54' 0".

The PP is operating Graphite mine of 60000 TPA capacity in the mining lease area of 237.39.50 ha granted vide G.O.Ms. No: 1328, Industries Department dated: 24.12.1986 in Pudupatti, Senthudayanathapuram and Kumarapatti villages, Sivaganga district, Tamil Nadu. The lease was valid up to 15.05.2007. The total mine lease area of the lease based on the revised land record is 236.85 ha as against 237.39.50 ha mentioned in the G.O. no 1328. Application for lease renewal for the mining lease area of 236.85 ha has been submitted to Government of Tamil Nadu vide letter dated 24.04.2006. As per recent, Mines and Minerals (Development and Regulation) Amendment Ordinance, 2015, dated.12.01.2015 this lease is valid up to 31.03.2030.

PP has informed that earlier, lessee applied for environmental clearance for a total project area of 319.01ha (comprising 236.85 ha of ML area and 82.16ha external dump area outside the lease). TOR was issued vide letter No.

J.11015/204/210 – IA II(M) dated 19th August 2010 the validity of which was subsequently extended vide MOEF letter No. J-11015/204/2010 – IA.II (M) dated 26th March 2013. Draft EIA/EMP report was subjected to public hearing on 27.06.2013 at DDC Hall, Collector's Office, Sivaganga district through District Collector of Sivaganga. Final EIA was prepared and submitted to MOEF vide letter No11595/ml1/2006 dated 14.08.2013. In the meantime, as per the latest amendment of Indian Bureau of Mines rules, dumping has to be carried out within the lease area only. Hence the project area got reduced from 319.1ha to 236.85ha ML area. The lessee has also decided to increase the production to 1.05 Lakhs TPA from the earlier applied quantity of 0.6 Lakhs TPA. Thus the lessee has decided to apply for fresh environmental clearance.

Present mine scheme approved by Indian Bureau of Mines vide letter TN/SGN/GR/MS-1123-MDS dated 03.09.2014 for the total mine lease area of 236.85 Ha and production of 1.05LTPA of graphite. The ground elevation of mine lease area varies from 87 m to 108 m AMSL with slope towards south & south east. The surface gradient varies from 1 in 30 to 1 in 150 in the ML area.

Mining is carried out by semi-mechanised open cast mining methodology and developing pits 200 to 800 m long; 100 to 150 m wide and 10 to 20 m deep. Mining operation are on a small scale with Graphite ore production of about 200 Tonnes per day which after blending to the required grade is dispatched to the beneficiation plant of TAMIN located within 0.5 kms from mines. Based on the scheme of mining, total mineable reserves were estimated as 3.407 Million tons based on the exploration so far carried out and the life of mines will be 32.5 years. The total water requirement will be about 40 KLD. The total project cost is Rs. 200 Lakhs.

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**.

(2.38) Pipaljori Stone Mine with proposed production capacity of 2,12,278 TPA by M/s Basant Stone Works located at Village - Piplajori, Tehsil - Pakur, District – Pakur, Jharkhand (4.84 ha) (Consultant: Grass Roots Research & Creation India (P) Ltd.)- Consideration of TOR/EC.

The proposal of M/s Basant Stone Works is for stone mining with proposed production capacity of 2,12,278 TPA (ROM) in MLA of 4.84 ha. The mine lease area is located at village–Pipaljori, Tehsil–Pakur, District–Pakur Jharkahnd. The mine lease area is slightly sloping land with rock mass of basalt. The general slope of the area is towards North. The mining lease area is located between the Longitudes 87^o 50' 21.80"- 87^o 50'32.09" East & Latitudes 24^o35'29.91"- 24^o35'38.24" North with Survey of India Top Sheet number 72P/4.

The Project Proponent has informed that as per the EIA Notification, 2006 and its amendments, General Conditions shall apply except for Project or activity

of less than 5 ha of mining lease area. Further, it is provided that the above exception shall not apply for Project or activity if the sum total of the mining lease area of the said Project or activity and that of existing operating mines and mining Projects which were accorded environment clearance and are located within 500 metres from the periphery of such Project or activity equals or exceeds 5 ha. In this instant proposal, The Assistant Mining Officer, Pakur of Mines and Geology Department, vide letter no.839 dated 08-07-2014 has reported that the mine lease area is 4.84 ha and total area of existing mines around 500 meter of ML area is 24.15ha. The interstate boundary between Jharkhand and West Bengal from mine lease area is at a distance of 3.25 km in SW direction hence it is treated as Category 'A' Project and to be dealt at the level of MoEF&CC.

The lease has been renewed to M/s Basant Stone Works for a period of 10 years from 13.08.2004 to 12.08.2014 over an area of 5.03ha. Lessee has filled application for surrender of 0.198 ha land due to non-availability of reserve. Additional lease deed has been executed over an area of 4.84ha on dated 21.09.2013 after accepting 0.198ha area. The lessee has applied for renewal of mining lease dated 20.03.2014. Mine Plan has been approved by State Govt. of Mines and Geology Department on dated 30.01.2015.

Method of mining is Opencast mechanized. The operations like drilling of shot holes, sorting of stone and breaking at site will be done manually. Muffle blasting will be adopted for precautionary measures. Loading and unloading on trucks will be done by manual method. The overburden removal will be done at times by excavator cum loader. Loading of the stone to destination will be done by truck. During the five years, haulage road will be developed at the gradient of 1:16. During this plan period of 11 years, the area will be worked out except 7.5 meter safety barrier. Existing land use pattern of the mining lease area is Govt. waste land. Total 0.63 ha area shall be developed as green belt. Total geological reserves are 44,19,400 Tonnes and Total Mineable reserves are 22,50,782 Tonnes. Life of Mine is 11 years. Total water requirement is about 6.58 KLD. Drinking water will be brought from the nearby well and water for dust suppression and plantation will be collected from nearby villages and stored rainwater during monsoon season. It is reported by the Project Proponent that there is no court case/litigation pending against the Project. The total cost of Project would be around Rs 46 lakhs.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report and requested for EC as per the EIA Notification, 2006. Environmental Impact Assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0, sub clause 7(i) I under stage (1) – Screening. it provides that "In case of Category 'B' Projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the Project or activity requires further environmental studies for

preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the Project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The Committee noted that the Assistant Mining Officer, District Mining Office, Pakur, vide letter no. 839 dated 08-07-2014 has mentioned that the mine lease area is 4.84 ha and the total area of existing mines around 500 meter of ML area is 24.15ha. However, status of other mines in 500m radius in the mine lease area has not been mentioned whether they are operating mines or accorded the Environmental Clearance for mining of mineral. The Committee deliberated the issues and **deferred** the proposal and sought the following information:

- (i) Status of other mines in 500m radius in the mine lease area has not mentioned whether they are operating mines or accorded the Environmental Clearance for mining of mineral. A certificate of Mines and Geology Department of State Government need to submitted to provide the status of all the mines in periphery of 500 m of the mine lease area so as to ascertain the **applicability of the exemptions sought under EIA notification, 2006.**
- (ii) The PP has informed that the mine was operating upto 2014 without environmental clearance. In this context, the PP needs to submit a certificate of Mines and Geology Department w.r.t. details of production of mineral, year wise, to ascertain about **violation**, if any, in this case; and
- (iii) The Committee noted that PP has not done Mining scientifically in the past as was seen in the site photographs presented by the PP. In this context PP needs to submit the mine restoration plan of the badly damaged mining site before conducting any scientific mining therein in the future.

(2.39): River Sand Mining with proposed production capacity 16.50 Lakhs of Sand / Bajri by M/s Shri Om Pal Singh, located at Village – Agewa, Tehsil - Jaitaran, District – Pali, Rajasthan (4365.65 ha)-TOR

PP vide letter dated 20.04.2015 has requested to defer the proposal as the LOI holder has expired recently and also requested to put the Proposal on hold till the legal heir process is completed.

(2.40): Expansion of limestone production capacity from 0.45 million TPA to 1.0 million TPA (ROM) along with installation of 400 TPH crusher of Rajashree Limestone Mine No. 2 by M/s UltraTech Cement Ltd. (Unit: Birla White), located at Village – Basni, Tehsil– Merta, District– Nagaur, Rajasthan (MLA- 400.70 ha) (Consultant: J.M. EnviroNet Pvt. Ltd.)-TOR

The proposal of M/s UltraTech Cement Ltd. is for expansion of limestone production capacity from 0.45 million TPA to 1.0 million TPA (ROM) along with

installation of 400 TPH crusher in Rajashree Limestone Mine No. 2. The mine is located at Village- Basni, Tehsil- Merta, District- Nagaur (Rajasthan). The Geographical Co- ordinates for the mine site are Latitude- 26⁰34'57.7" N to 26⁰36'30.4" N & Longitude- 73⁰48'24.1" E to 73⁰48'17.3" E. The mine site falls on Survey of India Toposheet no.- 45 F/ 14.

The Project Proponent reported that the Environmental Clearance for the existing capacity was obtained by Ministry vide letter no.- J- 11015/ 15/ 2005- IA. II (M), dated 17.11.2005. Total Mining Lease Area is 400.70 ha, out of which 260.70 ha is Private land and 140.0 ha is Govt. land. Project Proponent reported that as per new ordinance of 2015 included in Sec- 8 (a) of MMDR Rules, 1987, mining Lease is valid till 31.03.2030.

Method of mining will be opencast semi- mechanized, utilizing Heavy Earth Moving Machinery (HEMM). Blasting will be carried out to create fragmented material with maximum bench height of 3- 6 m. Total water requirement for the proposed expansion will be 19.5 KLD which will be sourced from nearby villages & mine sump as & when developed. Total manpower requirement for the proposed expansion will be 39 persons.

Total cost of the Project is Rs. 10 Crores. Capital Cost for Environmental Protection Measures is Rs. 1.0 Crore/- and Recurring cost is Rs. 0.20 Crore/ annum. There is no Court case/ litigation pending against the project. There is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife corridors, Tiger/Elephant Reserves, Reserve Forests & Protected Forests within 10 km radius of the project site.

The Project Proponent mentioned that they had started collection of base line data since March 2015 and requested to monitor the baseline data pre-monsoon season i.e. March 2015 - May 2015. The Committee deliberated the issues and based on the request made by the Project Proponent w.r.t. collection of base line data, the Committee agreed for the same.

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

(2.41).Mining of Mineral Sand (Minor Mineral) with proposed production capacity of 14.35 Lakhs TPA (ROM) by M/s Shyam Jaina Ram, located at Tehsil and District –Sonipat, Haryana (MLA-38.10ha) (Consultant: Vardan Environet, Haryana)-Consideration of TOR

The proposal of M/s Shyam Jaina is for mining of Sand (Minor Mineral) with production capacity of 14.35 Lakhs TPA of Sand (ROM) in the mine lease area of 38.10 ha., out of which 28.10ha area falls in the river bed and 10.00ha area falls in agricultural land (outside river bed). The mine is located at 1 km distance from Haryana and Uttar Pradesh inter-state boundary and treated as Category 'A' project. The mine lease area is located between the following coordinates:

Coordinates:- 1). Jainpur-1 River Bed Block	S.No.	Latitudes	Longitudes
	North West Corner	29° 04' 11"N	77° 09' 20"E
	North East Corner	29° 04' 12"N	77° 09' 49"E
	South East Corner	29°03' 56" N	77° 09' 30"E
	South West Corner	29°03' 56" N	77° 09' 35"E
2). Jainpur-1 Outside River Bed Block	S.No.	Latitudes	Longitudes
	North West Corner	29° 03' 51" N	77° 08' 40"E
	North East Corner	29° 03' 51" N	77° 08' 53"E
	South East Corner	29°03' 41" N	77° 08' 53"E
	South West Corner	29°03' 41" N	77° 08' 40"E
Toposheet number	H43R4, H43X1, H43R8, H43X5		

Total mine lease area is 38.10 ha. The LOI has been granted by Director General, Department of Mines and Geology, Haryana vide memo No. DMG/Hy/Cont/Jainpur-1 Sand Unit/2015/319, dated 21.01.2015 for 9 years. Method of mining will be opencast semi-mechanized in river bed and open cast mechanized method in outside river bed block without drilling and blasting. Loading of waste & minerals into trucks / tippers will be done by using excavators and transported to nearby industries. Total water requirement for the proposed project will be 20 KLD. Water for dust suppression, domestic and drinking purpose will be supplied from existing Dug well / Tube well situated in the nearby areas. The cost of the project is Rs. 13.17 Crores. No National Park & Wildlife Sanctuary falls within the 10 km radius of the project site.

Project Proponent reported that there is a Court case in the matter of Rajbir Singh v/s State of Haryana and others [CWP No. 27700 of 2013] wherein the Petitioner had challenged the conditions of the auction notice and the rules relating to Payment of Rent and Compensation to the land owners. The Hon'ble High Court did not restrain the auction proceedings and held that the auctions may be held but it has also directed in its orders dated 17.12.2013, that the same shall be subject to final outcome of above said CWP. The said case is still pending before Hon'ble Punjab and Haryana High Court for adjudication.

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

(2.42): Devpura II Soapstone Mine of M/s. Associated Soapstone Distributing Co. Pvt. Ltd. Village - Devpura, Tehsil - Sarada, District - Udaipur (Rajasthan) (16.60 ha)-TOR

The Committee **deferred** the proposal as the PP did not attend the meeting.

(2.43): Devpura Soapstone Mine M.L. No. 14/91, 229/2011 by M/s Dhartidhan Pvt. Ltd Village - Devpura, Tehsil - Sarada, District - Udaipur (Rajasthan) (17.83 ha)-TOR

The Committee **deferred** the proposal as the PP did not attend the meeting.

(2.44): Agate & Silica Sand Mine by M/s Alimiya Imamali Saiyad located at Village - Bhimpor, Tehsil - Jhagadia, Distt. - Bharuch, Gujarat (3.29 ha)-Corrigendum in the name of PP

The Ministry, vide letter dated 04.03.2015, has already issued the corrigendum with respect to name of PP to be read as Shri Alimiya Imamali Saiyad. The project is inadvertently placed in this meeting.

(2.45): Limestone Mine with production capacity of 3.655 million TPA of Limestone by M/s UltraTech Cement Ltd., located at village(s) Sitapuri, Borlai, Awral, Andiyav, Chirakhan&UdiyapuraTehsil – Manawar, District–Dhar, Madhya Pradesh (965ha) (Consultant: JM EnvironNet Pvt. Ltd.)-Amendments in TOR

The Ministry has prescribed TOR on 18.12.2014 to M/s UltraTech Cement Ltd. for Limestone Mine with production capacity of 3.655 million TPA (ROM), located at village(s) Sitapuri, Borlai, Awral, Andiyav, Chirakhan&UdiyapuraTehsil – Manawar, District–Dhar, Madhya Pradesh in the MLA of 965ha.

The PP requested to amend the TOR with respect to proposed production capacity from 3.655 TPA to 3.66 TPA (ROM) of Limestone as mentioned in their lease documents to have similarity. The PP has submitted the revised Form I and PFR.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **recommended** the amendments in TOR with respect to production capacity from 3.655 TPA to 3.66 TPA (ROM) of Limestone.

(2.46): Melavenkateswarapuram Limestone Mine of M/s Madras Cements Ltd., located at Villages-Pudur, Nadukattur, Tehsil-Sennayampatti, Taluk-Vilathikulam, Distt-Thoothukudi, Tamil Nadu (98.62ha) (Consultant: Creative Engineers & Consultants, Chennai)-Amendments in TOR

The Ministry has prescribed TOR on 09.9.2013 to M/s Madras Cements Ltd., for Melavenkateswarapuram Limestone Mine with enhancement of production capacity from 0.101 million TPA to 0.50 million TPA (ROM), located at Villages-Pudur, Nadukattur, Tehsil-Sennayampatti, Taluk-Vilathikulam, Distt-Thoothukudi, Tamil Nadu in the MLA of 103.53 ha.

The PP, vide letter dated 06.01.2015 requested to amend the TOR with respect to mine lease area from 103.53ha to 98.62ha as the mining lease has been renewed by State Govt. vide letter dated 17.11.2014 for a period of 20 years i.e. from 29.07.2003 to 28.07.2023 for an area of 98.62ha . The PP has not submitted the revised Form I and PFR.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **recommended** the amendments in TOR **subject to submission of revised Form I and PFR** with respect to mine lease area from 103.53ha to 98.62ha.

Environmental Clearance Proposals

(2.47). Kathpal Chromite Mine of M/s Ferro Alloys Corp. Ltd., Village Kathpal, TalukaKamakhyanagar, District Dhenkanal, Orissa (113.312ha)

The proposal is for expansion in Production Capacity of Kathpal Chromite Mine from 35,000 TPA to 44,000 TPA at Village- Kathpal, Taluk- Kamakhyanagar, District- Dhenkanal (Odisha). The Latitudes & Longitudes of the site are: 21°00'16" to 21°01'07"N & 85°41'54" to 85°42'17" E respectively. The proposal was considered by the Expert Appraisal Committee in its meeting held during 19-21 October, 2011 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The ToRs were issued by MoEF vide letter no. J-11015/32/2011-IA.II (M) dated 28th December, 2011.

The Mining Lease area is 113.312 ha which is Reserve Forest land. The mine lease renewal fell due on 06.10.2012. The Forest Clearance was obtained under FC Act, 1980 vide letter no. 8-74/95-FC dated 26th March, 1998. Application for re-diversion of 113.312 ha Forest land has been submitted to the Office of Principal Chief Conservator of Forest dated 5th September, 2011. Environmental Clearance for 35,000 TPA Chromite ore was issued by MoEF vide letter no. J-11015/43/96-IA.II (M) dated 6th November, 1997. The certified compliance report dated 31.08.2012 submitted by RO Bhubaneswar was discussed during the meeting. It was informed to the Committee that non-compliances as mentioned in the report were complied vide submissions given vide letter dated 04.12.2012.

The Mining Plan along with Progressive Mine Closure Plan has been approved by IBM, Bhubaneswar vide letter No. MP/OTF.MECH/04-ORI/BHU/2011-12, dated 9th June, 2011. Method of mining will be underground & opencast semi-mechanized. Sub-level stoping method will be adopted for underground mining. Access to ore body will be by vertical shafts, which will be equipped with electric drum winders. The ore/ waste generated in underground mine will be loaded in mine tubs by Rocker shovel, which will be trammed manually up to the shaft bottom & then hoisted to surface through cage. Opencast mining will be carried out by semi-mechanized method with an aim to extract the regular & pocket

deposits. OB will be removed by hydraulic shovel, dumper & dozer combination. Ore raising will be carried out by manual means. Ore will be transported by road through trucks of 10-15 MT capacity. Total geological reserves estimated are 16.095 lac Tons of 46.95% Cr₂O₃. Life of mine is 26 years at 0.044 MTPA production per year. Total water requirement will be 260 KLD which will be sourced from bore well (40KLD)& mine water Sump/pit (220 KLD).

Total excavated area at the end of Life of Mine will be 23.95 ha, out of which 1.320 ha will be backfilled & 19.09 ha will be converted into water reservoir. Rest will be used for road construction & others. Green belt/ Plantation will be developed on 91.427 ha of area on dumps, around lease periphery; office etc. It was reported by the PP that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife corridors, Tiger/Elephant Reserves within 10 km radius of the project site. There are 6 Reserved & 2 Protected forests within 10 km radius of the lease area.

The baseline data was generated for the period during Post- monsoon season i.e. Oct to Dec, 2011. All parameters for air & water quality were within permissible limits. The Public Hearing for the project was conducted on 20.06.2012 at FACOR Campus, Kathpal, Kamakhyanagar, Dist. Dhenkanal, Odisha. The Public Hearing was presided over by Sri B. C. Das, Additional District Magistrate, Dhenkanal, Odisha. The issues raised during the Public Hearing were also considered & discussed during the meeting, which inter- alia included the priority to local people for employment, effective implementation of measures to control noise & dust pollution, water conservation measures, water supply to agricultural fields & other village development activities etc.

Total cost of the Project is Rs. 16.58 Crore. Capital cost of EMP is Rs. 15 Lakhs & Recurring cost is Rs. 13.25 Lakhs per annum. Rs. 22.50 Lakhs has been earmarked towards CSR activities for next five years of mining operations. There is no court case/ litigation pending against the project.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for **expansion in Production Capacity of Kathpal Chromite Mine from 35,000 TPA to 44,000 TPA (ROM) of Chromite** subject to mine lease renewal by State Government or obtaining information that whether any order for determination of Mining Lease/rejection of Mining Lease renewal/ lapsation of Mining Lease, if any, has been passed by the State Govt. in respect of this mine post Supreme Court order dated 16.05.2014 and obtaining the Stage-I Forest Clearance.

(2.48). Mellacheruvu limestone Mine of M/s My Home Industries Limited, Located at Village & Mandal-Mellacheruvu. Distt.Nalgonda, Andhra Pradesh (141.644ha) (1.95MTPA) (Consultant: B.S. ENVI-TECH(P)LTD.)

The Mellacheruvu Limestone mine is located at Mellacheruvu Village, & Mandal, Nalgonda district, Telangana State. The mine area is a part of the Survey of India Toposheet No. 56/P/13. The site falls between 16° 47' 57.9" - 16° 48' 52.7 North Latitude and 79° 54' 54.0" - 79° 55' 52.9" East Longitude with an average altitude of 100 m above MSL. The proposal was considered in the EAC meeting held during August 21-23, 2013. The TOR was issued vide Letter No. J-11015/113/2013-IA.II(M) dated 07.03.2014.

The mine lease area is 141.644 ha. No increase in the production or the mine lease area is proposed. The proposal is for renewal of mine lease. The existing Environmental Clearance was received by the PP prior to 2006. Opencast Mechanized method of mining is adopted. Requirement of water is 125m³/day. The harvested rain water in the mine pit is the source of water. It is reported by the project proponent that there is no court case/litigation is pending against the project.

Environmental clearance to Mellacheruvu limestone Mine-II was issued vide no. J-11015/35/2001-IA.II (M) dated 12.03.2004 and EC to Mellacheruvu lime stone Mine I was issued vide no. J-11015/8/2000.IA-II (M) dated 15.04.2002. The compliance report of both the EC was discussed during the meeting. Government of Andhra Pradesh has ordered for amalgamation vide G.O. Ms No. 298 dated 07.11.2006 for these two mines. The amalgamated mining lease expires on 01.08.2014. ML-I&II are having common boundary. From 1st February 2007 onwards, PP is maintaining all the mine related records on single mode and the Combined production capacity is limited to 1.95 Million TPA of limestone (1.62 mtpa from ML-I & 0.33 mtpa from ML-II) as per the individual Environmental clearances. Following, the amalgamation of both the mines leases as single lease, PP has represented to the MoEF, New Delhi through letters dated 23.10.2007, 03.01.2008, 20.09.2008 and 13.11.2009 for necessary amendment of the two individual Environmental clearances as a single one with the lease extent of 141.644ha and production capacity of 1.95 million TPA. With reference to the amendments of EIA Notification 2006, issued by MoEF vide S.O.695(E) dated 04.04.2011 and S.O.2896(E) dated 13th December 2012 with a clause stating that " fresh Environmental Clearance is required at time of renewal of mining lease also". MHIL has submitted application vide MHIL/ENV/2013-14/MLM/01 dated 05.04.2013 for Prior Environmental clearance for lease renewal, as the combine lease falls due for renewal on 01.08.2014. It was discussed that as per the OM dated 20.03.2015 issued by MoEFCC the EC is not required at the time of renewal of Mine lease if the EC has been obtained under 1994 notification; therefore the project does not require EC. The PP requested to grant fresh EC as the leases had been amalgamated and further life of the mine is about 26 years.

Mining lease is a Govt waste land. The Mining plan is approved by IBM vide Letter IBM approval Letter No.AP/NLG/MP/Lst-29/HYD dated 22-09-2014. Mining will be carried out by opencast mechanized method with the help of drilling, blasting and loading. The water consumption of the mine is 125 m³/day for sprinkling on main mine haul roads and feeder roads. This requirement is met from mine pit (rain water). The mine is located on a gently undulating ground, which is about 80-120 m above MSL with average MSL of 98 m. the ultimate depth of mining is 28 m bgl, i.e 70 m above msl. The water table lies at 35 m bgl (63 m amsl) from the general ground level of 98 m AMSL. The mine will be worked upto a depth of 28 m (70 m amsl) which is above the water table. Hence there is no possibility of encountering ground water in the working pits.

It was reported by the PP that there are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger /Elephant Reserves existing/proposed within 10 km of the mine lease. There are no Schedule – I species recorded in the study area. Baseline studies were carried out during summer season - 2014 covering the months of March to May 14. The Public Hearing for the Proposed Project was conducted on 12-11-2014. The public hearing was conducted by the District Revenue Officer (FAC), the issues raised were employment for locals, village development, infrastructural facilities in surrounding villages Health camp surveys. Action plan and budgetary provision for public hearing was provided.

No capital budget is proposed as no additional measures are proposed for implementation. The mine will continue to operate at 1.95 MTPA. However, recurring expenditure of Rs 25 Lakhs /annum is earmarked for implementation of EMP measures. MHIL has earmarked Rs 250 Lakhs towards the Enterprise Social Commitment. It was reported by the PP that there is no litigations pending against the project with direction /order passed by any Court of Law. The Committee, after detailed deliberations, **recommended** the Proposal for grant of fresh environmental clearance for amalgamated mine leases.

(2.49). Sand /Moram Mining from river Sone of Shri Ved Prakash Yadav, located at Village Agorikhas, Thesil Rabertsganj, District Sonbhadra, U.P. (74.99 ha; 90,000 TPA) (Consultant: Grass Roots Research & Creation India (P) Ltd.).

The proposal of Shri Ved Prakash Yadav is for mining of Sand/Moram (Minor Mineral) with proposed production capacity of 90,000 TPA (ROM). The mine lease area is located at Village-AgoriKhas, Tehsil: Robertsganj and District: Sonbhadra, Uttar Pradesh and the mine lease area is 74.99 ha. The mine lease area lies on Son River bed. The Latitudes and Longitudes of the mine lease area lies between 24⁰ 32' 54.04" N to 24⁰ 33' 49.80" N and 82⁰ 57' 26.35" E to 82⁰ 57' 41.57" E on Survey of India toposheet numbers 63L/14. The Project is located in Seismic zone-III.

The proposal is for renewal of mine lease which fell due on 9th March, 2012 for production of 90,000 TPA of Sand from the bed of River Son. The mine is reported to be closed presently since 30.6.2011. The TOR was issued by MoEF&CC vide letter No. J-11015/161/2011-IA.II (M), dated 28th February, 2012.

The lessee has applied for the lapsed period i.e. for 8 months 9 days vide letter dated 09/03/2015. The mine plan is approved by Directorate of Geology & Mining U.P; vide letter No. 1904/ MP/15 dated 16/02/2015. Method of Mining is manual opencast method. Excavation will be carried out up to a maximum depth of 3 meters from surface of deposit and not less than one meter from the water level of the River Chanel whichever is reached earlier. Proponent informed that 59.992 ha area will be used for excavation and 14.998 ha will be left as no mining zone/safety distance (bank stability area). The Ground water depth is 4.74 m bgl. The total water requirement is 4 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by tanker supply, No Objection Certificate from Gram Panchayat has been obtained in this regard.

Project Proponent reported that mining will be done leaving a safety distance from the banks i.e. No mining operation shall be carried out within 50 m of railway line, reservoir or road horizontally from the outer toe of the bank or the outer edge of cutting as the case may be. No ponding will take place. Mining will be done only during day time and completely stopped in monsoon season. 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 through road. Project Proponent has made the Traffic Analysis survey and reported that mining which increase 216 PCUs per day and the level of service (LOS) does Not changes from "A". 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. Speed breakers and signage will be maintained at sensitive places. The Project Proponent reported that Kaimur Wildlife Sanctuary falls within 10 km of the study area (3 km in E direction).

The baseline data was generated for the period during March 2012 to May 2012. All the parameters for water and air quality were within permissible limits. The Public Hearing for the proposed Project was conducted on 20.10.2012 at Karyalaya, Block Chopan, Distt. Sonbhadra, U.P. The Public hearing was presided over by Shree ManilalYadav, Additional District Magistrate Shonbhadra. The issues raised during the Public Hearing were also considered and discussed during the meeting, which inter-alia, included that priority to local people in employment, effective implementation of measures to control dust pollution, water conservation measures, social and other village development activities and not to harm nearby fields.

The cost of the Project is Rs. 20.0 Lakhs. The Proponent has earmarked Rs. 5.1 Lakhs towards Environmental Protection Measures. Proponent informed that Rs. 5 lakh per annum have been earmarked towards CSR activities. It was reported by the pp that there is no litigation pending against the project.

After deliberations, the Committee observed various deficiencies in the documents and presentation, therefore, the Committee desired that the Proponent shall furnish the following information/clarification for further consideration:-

- (i) The detailed Action Plan with budgetary provision for the public hearing shall be submitted.
- (ii) The questionnaires were not filled completely; revised complete questionnaires shall be submitted.
- (iii) The public hearing was conducted based on the draft mining plan. A affidavit from the PP that draft mining plan and final mining plan are same shall be submitted. In case there are any changes these shall be categorically mentioned.
- (iv) The green belt shall be developed in a manner wherein the local species are planted that is useful; a revised list of species to be planted in the green belt shall be provided.
- (v) It has been reported that there is no Schedule-I sp in the study area. However, the area is rich in biodiversity and Schedule-I sp, as the Kaimur Wildlife Sanctuary is located at a distance of 3 km from the mine lease the area shall be re-surveyed and updated list of flora and fauna shall be provided. The conservation plan for the Schedule-I sp shall be prepared and submitted.

The Committee decided that the Proposal be **deferred** till the aforesaid information is submitted and proposal will be re-considered thereafter.

RECONSIDERATION OF EC PROPOSALS

(2.50). Iron Ore Beneficiation Plant of M/s Divyajyothi Steel Ltd., village Taranagar Sandur Taluk, Distt Bellary, Karnataka (20.48ha) (Iron Ore Beneficiation of 0.6 MTPA throughput pelletization of 0.4 MTPA throughput)(Consultant: Global Environment & Mining Services).

The Proposal is for setting up of an iron ore Beneficiation Plant with a throughput capacity of 0.6 million TPA along with pelletization plant of 0.4 million TPA. The lease area is 20.48 ha. No forestland is involved. Narihalla dam is reported to be at a distance 3.5 km. It was stated by the Project Proponent that the filter press technology will be adopted. It was also stated that tails cake will be stacked in tailing dump area and used in brick manufacturing. The site coordinates are 15°07'20.2"-15°07'45.2" N Latitude and 76°38'01.8"-76°38'34.8"E. Longitude.

The proposal was considered in the EAC meeting held during 16-18 April 2013 and based on the presentation made, discussions held and information submitted, the Committee desired the Proponent to submit the following information:

- (i) Questionnaire to be submitted as per EIA/EMP;
- (ii) Details of Land use pattern to be submitted;
- (iii) Source of raw material / storage / final transportation of beneficiated ore to be submitted. In flow and out flow details are also to be submitted;
- (iv) Details of waste management to be submitted;
- (v) Action plan with budgetary provisions on points raised during Public Hearing to be submitted;
- (vi) Date wise Ambient Air Quality Data to be provided;
- (vii) The Compliance of TORs to be submitted.
- (viii) Details of disposal and storage of filter cakes to be provided.
- (ix) Details of transport of ore to be provided.

On submission of the aforesaid information, the Proposal was re-considered in the meeting held during 20-22 November 2013. The Committee noted that the Questionnaire was not appropriately filled in and details of the waste management with particular reference to tailing dam was not provided. In addition, the Committee suggested to monitor time series data for ground water table and AAQ data from four monitoring stations as proposed site is located in severely polluted area. The Committee noted that the Questionnaire was not appropriately filled and many vital baseline data have not been mentioned in the Questionnaire. Further, wrong information had been filled in respect of several points. Consultant was also not fully prepared to answer the queries of the Committee Members.

After detailed deliberations the Committee recommended the Proposal for EC in the EAC meeting held during May 28-30, 2014 subject to submission of revised Questionnaire. The matter was examined in the Ministry and it was noted that revised Questionnaire being of technical nature, needs to be considered by EAC before final recommendation and also the permission from Central Ground Water Authority for drawl of water was not available to the Project. The Proposal was reconsidered by the EAC in the meeting held during 25-26 September, 2014 and it was noted that Questionnaire was satisfactorily revised. After deliberations, the Committee desired that the Proponent shall furnish the following information/clarification for further consideration by the Committee without calling the Proponent:-

- (i) The 'time-series' data from the Central Ground Water Authority on ground water level in the area.
- (ii) The permission from the Central Ground Water Authority for the drawl of requisite quantity of water.

The proponent submitted the 'time-series' data from the Central Ground Water Authority on ground water level in the area and informed that they had carried out Hydrogeological survey, prepared a comprehensive report and submitted to the Karnataka Ground water Authority along with the application to give consent to extract the ground water. The ground water regulation authority of Karnataka State at present is KGWA in place of Central Ground Water Authority. The Committee, after detailed deliberations, **recommended** the Proposal for grant of environmental clearance with the additional condition that the project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface and ground water for the project.

Amendment of Environmental Clearance

(2.51). KJST Iron Manganese and Bauxite Mines of M/s Shri Prabodh Mohanty, Village Kalmang, Jaldihi, Sidimba&Tantigram, District Sundergarh, Orissa (188.523ha)(0.7MTPA ofIron Ore & 50,000 TPA of Bauxite)-Amendment of EC.

The proposal is for amendment of EC for the KJST Iron Manganese and Bauxite Mine (RML Area – 188.523 ha), located in villages Kalamanga, Sidimba, Jaldihi and Tantigram, Tehsil Koira, District Sundergarh, Odisha of Shri Prabodh Mohanty. The Latitude and Longitude of the mine lease area are 21° 51'02.2" N to 21° 51' 58.5" N to 85° 14' 0.5" E to 85° 15' 02.8" E. The EC was issued for production of 0.7MTPA of Iron Ore & 50,000 TPA of Bauxite vide no. J-11015/417/2006-IA. II (M) dated 28.01.2008.

In the EC letter a Specific Condition (ii) relating to Wild Life Protection Act, 1972, was stipulated stating that this *Environmental Clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.* The PP requested for deletion of the above condition with following submissions:

- (i) The location map showing the distance of the Mining lease area from the National parks/Sanctuaries and Elephant/Tiger Reserve and their corridors (Existing & proposed) as duly authenticated by Principal chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha shows their distance is beyond 10 kms from the project area.
- (ii) The Principal chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha has issued a certificate dated 15.04.2015 regarding non-applicability of the wildlife (Protection) Act, 1972 to this project.
- (iii) The authenticated location map issued by PCCF (Wildlife) & Chief Wildlife Warden, Odisha clarifies that there is no such proposed Brahmani-Baitarani Elephant Reserve exists as the same was withdrawn by Govt. of Odisha.

- (iv) Government of Orissa vide letter No 11993/F&E dated 26.07.2007 has withdrawn proposed elephant reserves in Orissa.
- (v) The project proponent is implementing a site specific wildlife conservation plan as approved by Principal chief conservator of forests (wildlife) & chief wildlife warden, Odisha vide letter no. 3963 dated 03.07.2007 and the project proponent is also participating in the Regional Wildlife management plan prepared for the district of Keonjhar and Sundargarh by the State Forest Dept.

The Committee, after detailed deliberations, **recommended** the Proposal for amendment of environmental clearance issued vide no. J-11015/417/2006-IA.II(M) dated 28.01.2008 for deletion of Specific Condition (ii) Environmental Clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.

CONSIDERATION OF TOR PROPOSALS:

(2.52). Silica Sand mining of M/s E. Hemendra Goud located at Village-Meedivemula, MandalOrvakal, District- Kurnool, Andhra Pradesh (162.186 ha; 6,00,000 TPA)

The Mine Lease area is located Sy. 459/P & 460, Medivemula Village, OrvakalMandal, Kurnool District, Andhra Pradesh. The Mine Lease Area co-ordinate is $15^{\circ} 39' 41.1''$ to $15^{\circ} 40' 44.10''$ N and $78^{\circ} 07' 16.9''$ to $78^{\circ} 08' 17.20''$ E. The Project is located in seismic zone-II. It is proposed to operate the mine by semi-mechanized method by open cast mining with systematic & scientific method of mining.

The PP has applied for grant of mine lease area for Silica Sand & Quartzite mining over an extent of 162.186 Ha. (400.6 Acres) in Sy.Nos. 459/P & 460 of Medivemula Village, OrvakalMandal, Kurnool District, Andhra Pradesh. The Department of Mines & Geology has recommended for Mine Lease Area for Silica Sand & Quartzite over an extent of 162.186 Ha. (400.06 Acres) in Sy. Nos. 459/P & 460 of Medivemula Village, OrvakalMandal, Kurnool District, Andhra Pradesh in favour of Sri. E. Hemendra Goud for a period of 20 years vide Memo. No.14331/M.I (1)/2013 dated 02.01.2014. The Mining Plan has been approved by Department of Mines and Geology, Govt. Andhra Pradesh vide Letter No. 4191/MP-KNL/2014, dated 03/01/2015.

It was reported by the PP that there are no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves existing/proposed within 10 km of the mine lease. The water required for dust suppression to prevent fugitive dust emissions, greenbelt development and for domestic purpose will be 37cum/day. The water requirement will be met from the ground water. It is reported by the project proponent that there is no court case/litigation is pending

against the Project. The cost of the Project is Rs. 150.0 Lakhs. Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

(2.53). Stone Ballast/Khanda Boulders Mine of M/s Shri Bhupesh Shah located at Village-Digara, Tehsil & district-Jhansi, Uttar Pradesh (7.40ha; 5MTPA).

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

(2.54). Colour Granite Mine M/s Midwest Granites Pvt. Ltd. Located at village- Baddipally, Mandal-Karimnagar, District- Karimnagar, Telangana (1.240 ha; 662m³/annum).

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

(2.55). Gitti Ballast/Khanda Boulders Mine of M/s Smt. Sunita Jaiswal located at villages Don and Dunara, Tehsil & District-Jhansi, Uttar Pradesh (8.10ha; 0.5MTPA).

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

(2.56). Gitti Ballast/Khanda Boulders Mine of M/s Shri Vijay Kumar Saraogi located at villages Digara, Tehsil & District-Jhansi, Uttar Pradesh (6.06ha; 0.5MTPA).

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

(2.57). Laterite mine of M/s Kursenga Parvathi located at Kadodi Village, Naroor Mandal, Adilabad District, Telangana (44.515 Ha) (1,29,000 TPA)

The Mine Lease area is located at Sy.No.28/60PP of Kadodi Village, Naroor Mandal, Adilabad District of Telangana. The Mine Lease area is a Latitude in between 19° 39' 26.1" N and a Longitude in between 78° 56' 36.3" E. The mining of Laterite shall be carried out by opencast manual method of mining. The proposal was considered as Category 'A' as it is located at a distance of 50 meters from interstate boundary of Telangana and Maharashtra.

The lessee, has applied for grant of mining lease for Laterite Mine over an extent of 44.515 hain Sy.No.28/60PP of Kadodi Village, NaroorMandal, Adilabad District of Telangana. Based on the recommendation of the Director of Mines and

Geology, the Government of Telangana have proposed to grant Mining lease for Laterite Mine with a request to submit the approved mining plan vide Govt. Memo No 19316 / MII/2013-1, dated: 01.09.2014. For this purpose a mining plan has been prepared and obtained approval from Joint Director of Mines & Geology, Adilabad Zone vide their approval letter no. 3371/MP-ADL /2014 Dated 02/02/2015.

The water requirement for this proposed mining activity will be for Dust suppression purpose: 14 KLD, Domestic purpose: 2.0 KLD and Greenbelt purpose: 4.0 KLD. There is no discharge of waste water from this mine. It is reported by the project proponent that there is no court case / litigation is pending against the project. The cost of the Project is 30 lakhs.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

(2.58). Colour Granite mine of M/s M.S.P Granites located at sy.no. 01, Kori Village, ParvathipuramMandal, District Vizianagaram, Andhra Pradesh (16.56ha; 7315 cubic meter / year)

The Mine Lease area is located in Sy.No: 01 of Kori Village, Parvathipuram Mandal, Vizianagaram District, Andhra Pradesh. The Mine Lease area is at the intersection of 18° 47'27.9" to 18° 47'51.1" North Latitudes and 83° 19'41.3" to 83° 19'55.5" East Longitudes. The proposal was considered as Category 'A', as it is located at a distance of 1.6 km from interstate boundary of Andhra Pradesh and Odisha.

The proposed Project will be worked out by Mechanized Opencast quarrying by using jack hammer drilling & cutting by Wire Saw & blasting by low explosives if required. The waste will be handled by excavators & tippers/dumpers. Loading is by cranes. Proposed production of Colour granite with a capacity of 7315 Cum/Year. Some part of the material from the waste may be sorted out and used for making small blocks known as 'khandas' to be used by the local units for making tiles. Some rejected and unsorted material may be used in the civil engineering projects in the vicinity of the area. The waste material can also be crushed into smaller sizes and can be used as road metal.

About 16 KLD of water will be required and will be sourced from Bore well. It is reported by the project proponent that there is no court case/litigation pending against the Project. The cost of the Project is Rs.100 lakhs. Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

(2.59). Sand Blocks (Stretch 1 to 5) Mining project of M/s Mahadev Enclave Pvt. Ltd. Located at Nalanda, Bihar (158.57 ha; 47,43,058 TPA of Sand).

The proposal of M/s Mahadev Enclave Pvt. Ltd. is for mining of Sand with proposed production capacity of 47,43,058 TPA (ROM) in the mine lease area of 158.57 ha. The mine lease area is located at Nalanda, Bihar. The total lease area of the Project is 158.57 ha. The Project comprises of five stretches which is further segmented in to 29 blocks. The PP reported that no National Park, Wildlife Sanctuary and other eco-sensitive area are located at a distance of 10 Km from the mine blocks. There is no Forest land within the ML Areas.

The operation will be opencast manual with use of hand tools like shovel, pan, sieves, etc. The minerals will be collected in its existing form. Excavation will be carried out only up to a depth of 2m bgl. Extraction of sand material will be done only during the day time and completely stopped during the monsoon season. Mineral will be transported by trucks/dumpers. Total water requirement for the Project is 9 KLD which will be sourced from nearby village with proper permission from the Gram Panchayat. The total cost of the Project is Rs. 5,92,90,000/annum. It was reported by the PP that no Court case is pending against the Project.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

(2.60). Sand Blocks (Stretch 1 to 5) Mining project of M/s Mahadev Enclave Pvt. Ltd. Located at Banka, Bihar (284 ha; 1,00,42,985 TPA of Sand).

The proposal of M/s Mahadev Enclave Pvt. Ltd. is for mining of Sand with proposed production capacity of 1,00,42,985 TPA (ROM) in the mine lease area of 284 ha. The mine lease area is located at Banka, Bihar. The total lease area of the Project is 254 ha. The Project comprises of five stretches which is further segmented in 32 blocks. The PP reported that no National Park, Wildlife Sanctuary and other eco-sensitive area is located at a distance of 10 Km from the mine blocks. There is no Forest land within the ML Areas. This is an open-cast mining Project, confined to extraction of sand from the proposed site.

The operation will be manual with use of hand tools like shovel, pan, sieves, etc. The minerals will be collected in its existing form. Extraction of sand material will be done only during the day time and completely stopped during the monsoon season. Mineral will be transported by trucks/dumpers. Total water requirement for the Project is 9 KLD which will be sourced from nearby village with proper permission from the Gram Panchayat. Total cost of the Project is Rs. 21,93,80,000/annum. It was reported by the PP that no Court case is pending against the Project.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

(2.61). Mining of Sand, stone of M/s Bandral stone crusher located at Mauza & Mohal Lodhwan/Tipri, Tehsil Nurpur, District Kangra, Himachal Pradesh.(3-71-27 ha; 21,060 TPA).

The proposal is for river bed Sand, Stone and Bajri mining with proposed production of 21,060 TPA by M/s Bandral Stone Crusher at Khasra No.156, located at Mauza&MohalLodhwan/Tipri, Tehsil- Nurpur, District- Kangra (H.P). The Latitude and Longitude of the proposed site are 32°16' 11.5" N to 32°16' 11.16" N and 75°43' 17.6"E to 75°43'17.73" E.

The proposal falls under 'A' Category as the interstate boundary between Himachal Pradesh & Punjab is within 5 km radius of the study area and four other mining leases exists within a radius of 500 m from the proposed Mining lease; because of which, its cumulative area becomes more than 25 ha. The mining lease area is 3-71-27 ha which a riverbed. The Mining Plan is approved by State Geologist vide letter No Udyog – Bhu (Khani- 4) Laghu – 51/09 - 9046 dated 14.01.2013. The mining method shall be manual using hand tools for collection of Sand Stone and Bajri from the riverbed. The 3,690 metric tons of Silt and Clay will be produced per year which will be used for plantation purpose along the road sides/near civic amenities after consultation with local competent authority. About 2.94 KLD water is required for drinking and sprinkling for dust suppression.

It was reported by the PP that there is no protected area viz wildlife Sanctuaries/ Tiger Reserve/ National Park/ Schedule I species etc. within 10km of the mine. The cost of the proposed Project is Rs. 20 Lacs& 5% of the project cost will be for CSR activity. It is reported by Project Proponent that there is no court case / litigation against the project and no violation.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

Reconsideration of TOR

(2.62). Limestone Mine of M/s Reliance Cement Company Pvt. Located at Tilkur-Hebal, Taluka- Sedam, District-Gulbarga, Karnataka (929.12ha) (5.0MTPA)(Consultant: Vimta Labs Ltd.)

The proposal is for limestone mining of M/s Reliance Cement Company Pvt. Located at Tilkur- Hebal, Taluka-Sedam, District-Gulbarga, Karnataka. The geographical co-ordinates of the mine lease area are: Latitudes 17°13'58.7" to

17°15'17.55"N and Longitudes 77°20' 12.24" to 17°22'59.27" E. The mine lease is spread over an area of 929.12 ha.

The TOR for Cement Plant for 5.5 MTPA Cement, 3.6 MTPA Clinker & 75 MW CPP was granted by MoEFCC vide no. F.N. J.-11011/52/2012-IA III (I) dated 20th November, 2014. Land use break up is as follows: Mine LOI - 929.12 ha (Agricultural land: 897.18 ha & Non-agricultural land: 31.94 ha). The LOI was issued by Department of Mines and Geology, Govt. of Karnataka dated 30th July, 2011. Mining Plan is approved by IBM vide its letter no: 279/1075/2013/BNG/616, dated: 23rd April 2014.

The water requirement for the proposed mines will be about 250 KLD and will be met from surface/ ground water. The Mining will be done from 419m to 395 m RL. The Kagina River is adjoining to lease area at South boundary direction. It was reported by the PP that No national parks, wildlife sanctuaries and eco-sensitive zones are located within 10 km radius. Peripheral development will be planned through CSR action plan. There is no displacement in the project area. However, compensation and other benefits will be provided as per Govt. Guidelines. The estimated cost of the proposed mining Project is about Rs.280 Crores out of which 14 crores is allocated for environment management and pollution control.

The proposal was considered in the EAC meeting held during December 10-11, 2014 wherein EAC sought following information for further consideration of the TOR:-

- (i) Topo sheet of the area by clearly showing existing and proposed development in the area, road and rail network, existing traffic load and cumulative load assessment due to proposed development;
- (ii) 897.18 ha of the agriculture land is proposed to be acquired. PP to provide information on alternatives being provided to land losers and compensation including alternate agriculture land. The state land use norms may also be submitted as to whether acquiring such large fertile agricultural land will be permitted.

On submission of the information the proposal was considered in the present meeting. The PP submitted the topo sheet of the area showing the existing industries-Vasavadatta, Vicat Sagar, CCI (non operative) Cement Plants and their Captive Limestone Mines, proposed industries, Dalmia and Reliance Cement and their Mines, State Highway SH-15 Adjacent (Chincholi-Sedam), Railway station Sedam at 5.0km SW Bangalore-Hyderabad mainline. PP submitted that the existing Traffic load is 12581 PCU/day. 100% Limestone transportation by closed belt conveyor to the Plant. PP also mentioned that total ML area is 929.19 ha including 897.18ha agricultural land to set up proposed 5.00MTPA Limestone Mine, in Karnataka based on limestone resources available in the State. Accordingly, PP submitted applications for grant of mineral concessions in various areas. The State High level Clearance Committee has approved the purchase of

land U/s-109 of KLR-Act and SUC through KIDB in the meeting held on 13.04.2012 and 06.09.2012 with following conditions:

- (i) To obtain Consent from KSPCB and EC from MoEF&CC
- (ii) To submit human resource development plan and comply the provision of Karnataka state industrial policy.
- (iii) To submit vendor development plan
- (iv) To develop social infrastructure plan
- (v) To adopt rain water harvesting

The LOI for mining lease granted by State Government and mine plan has been approved by IBM. The detailed execution action plan will be provided in EIA report. Alternatives and compensation will be provided as per the SHLCC/provision under KLR-Act/KIADB Land Acquisition Act.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

(2.63). Enhancedment of production capacity of limestone mines of M/s ACC Ltd. located at village Jamul Dhaur and Kurud, Tehsil & District Durg, Chhattisgarh (1.8 MTPA to 3.0 MTPA and installation of 1500 TPH cursher; 269.95ha MLA).

The proposal is for expansion of limestone production from 1.8 MTPA to 3.0 MTPA and installation of 1500 TPH crusher from limestone mines of M/s ACC Ltd. located at village Jamul Dhaur and Kurud, Tehsil & Distt. Durg, Chhattisgarh with 269.95 ha mine lease area. The area can be located in Survey of India Toposheet No. 64G/7, 64G/8. The latitude of mine lease are 21° 14' 48.4"N to 21°15'27.1"N and longitude are 81°21'15.5"E to 81°22'48.2"E.

The proposal was considered in the EAC meeting held during 16-17 December, 2013 wherein Committee prescribed the TOR to the proposal. While examining the matter in Ministry it was noted that the Project had violated EIA notification 2006 as the mine had enhanced its production from year 2001-2004 without obtaining the prior environmental clearance. Considering the fact that violation was reported for 2001-2004 and EC was issued in 2009 the proposal was re-considered by EAC in the present meeting. The PP submitted that Company has achieved highest production of 0.723 MTPA in the year 1978-79. The Limestone production marginally exceeded by 1.29% in 2001-2002 and 1.75% in 2002-2003. This was unintentional and entirely because of "production planning error in the 12 month". Mine is operating since 1963. After getting EC on 26th March 2009, Jamul Limestone mine has never crossed the prescribed limestone production of 1.8 MTPA.

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.

Extension for validity of TOR

(2.64). Limestone Mine with production capacity 4.0MTPA of M/s UltraTech Cement Ltd at Village Moharenga, Math, Murra and Kharora, Tehsil Telda, District Raipur, Chhattisgarh (689.048ha)(Consultant: J.M. EnvironetPvt. Ltd.)

The proposed Limestone Mine of M/s UltraTech Cement Ltd is located at Village Moharenga, Math, Murra and Kharora, Tehsil Telda, District Raipur, Chhattisgarh. The proposal is for limestone mining of 4.0MTPA from 689.048 ha. The Proponent received TOR from the MoEF vide letter no. J-11015/392/2012-IA. II (M) dated 28.03.2013, which was valid up to 27.03.2015. Further the PP has requested for 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 additional one year i.e. **from 28.03.2015 to 27.03.2016**.

CONSIDERATION OF EC PROPOSAL

(2.65). Bholamal Fireclay Mines of M/s J.K. and K.P. Jhunjunwala located at village Kudaloi, Jharsuguda, Odisha (48.684 ha)- considered on directions of Hon'ble High Court Cuttack in W.P.(C) No.17989 of 2014.

The Proposal was **deferred** as the Project Proponent did not attend the meeting. PP vide letter dated 26.04.2015 had requested to consider their proposal in the next meeting.

Item No. 3: Any other item with permission of the Chair

(3.1): Mining of Stone (Minor Mineral) in the Mine of "Rajawas" with proposed production capacity of 9.0 million TPA (ROM) by M/s. R.S. Joint Venture, located at village Rajawas, Tehsil & District- Mahendergarh, Haryana (53.03ha) (Consultant: JM EnviroNet Pvt. Ltd., Haryana)-Reconsideration of EC

The proposal of M/s. R.S. Joint Venture is for Mining of Stone (Minor Mineral) in the Mine of "Rajawas" with production capacity of 9.0 million TPA (ROM) in the ML Area of 53.03 ha. The mine lease is located at Village Rajawas, Tehsil & District Mahendergarh (Haryana).

The Proposal was earlier considered by the Expert Appraisal Committee in its meeting held during December 10-11, 2014 wherein the EAC sought the following information/clarifications:

- (i) The Committee noted that Mine Plan has been approved by Department of Mining & Geology, Haryana vide letter dated 17.10.2014 and the Public Hearing was held during 15.09.2014 i.e. prior to approval of the Mine Plan. Thus the Public was informed about the Mining Proposal with a draft Mine Plan only. In view of the above, it was decided by the Committee that the comments of the Mining & Geology Department be secured on material changes, if any, in the Final Mine Plan compared to the said Draft Mining Plan submitted by the PP to the Public. The Committee also was of the view that clarification may also be sought from the PP with an undertaking, as to whether the contents of Draft Mine Plan and approved Mine plan are same or different;
- (ii) Action Plan for ensuring good occupational environment for mine workers may be submitted based on Recommendations of any Nationally reputed Institute; Both specific and Generic preventive measures may be elaborated in the Action Plan;
- (iii) PP proposed to work by forming benches of 10 meters height and 9 meters width from top downwards which may be reviewed; and
- (iv) There are 20,000-25,000 Plants/Trees as reported in the PH proceeding, the comments of DFO in this regard needs to be obtained about applicability of FC Act, 1980. The present area is surrounded on three sides by Aravali Planation and mine is at zero distance from the Aravali Planation of Rajawas village and area closed under section 4 & 5 of PLP Act, 1900 of Madhogarh village. There is no road/path to reach to the proposed mine site. The access to mining area is only possible through Aravali Planation or area closed under PLP Act, 1900. DFO has also mentioned that any such proposal for path has not been received under the FC Act, 1980. Therefore, PP needs to clarify all the points raised during PH on the forests issues as produced in the Note at page 158-161 of the EIA/EMP Report. The Committee decided that a Sub-Committee of EAC may visit the study area and submit the Report particularly with reference to location of the proposed mine vis-a-vis Aravali and applicability of PLP Act.

In this context, the Project Proponent vide letter dated 13.01.2015 has submitted the information/clarification and accordingly the proposal is considered in the present meeting. The point wise explanation of the queries is given by the Project Proponent as below:

- (1) With regard to contents of draft Mining Plan and approved mining plan, the Project Proponent informed that the Department of Mines & Geology, Govt. of Haryana, vide letter dated 14.01.2015 mentioned that the content of these mine plan are by and large same except estimation of the probable reserve. The other typographical correction and formatting are also there but no impact on the mining plan. PP has also submitted undertaking that no material change has been made in approved mining plan.

- (2) With regard to Action Plan for ensuring good occupational environment for mine workers, Project Proponent informed that Action Plan for ensuring good occupational environment for mine workers has been prepared based on recommendations of Nationally reputed Institute; and the same will be implemented during mining operation.
- (3) With regard to the bench height and width, Project Proponent proposed bench height has been fixed as 9 meters and to prevent toe formation after blasting one meter extra drilling is done i.e the drill hole is drilled to 10 meter depth instead of 9 m, and the width of the bench has also been fixed as 9 meters.
- (4) With regard to the clarification on the Plants/Trees as reported in the PH proceeding, with the approval of the Chairman, a request was made to the Regional Office of the MoEF&CC located at Chandigarh to conduct the site visit along with EAC member and the local DFO. Accordingly a sub committee comprising of Professor G.S.Roonwal, Member, EAC(Mining), MOEFCC, Shri Surendra Kumar, Director(S), NRO, MoEFCC, Chandigarh, Shri Vedprakash Gaur, DFO, Mahendragarh and Shri Prem Singh, Range Forest Officer, Mahendragarh made a site visit on 26.04.2015. The Sub-Committee has made the following observations:-
- (i) It is clarified by the Divisional Forest Officer, Mahendragarh that khasra no. 91, 96, 97, 98, 99, 102 & 103 of village-Rajawas, Tehsil & District-Mahendragarh does not come under reserved forest, protected forest, area closed under section-38 of Indian Forest Act, 1927, under Aravali Plantation and areas specifically closed under Section-4 & 5 of Punjab Land Preservation Act, 1900 and therefore, the Forest Conservation Act, 1980 is not applicable to these khasra nos. As per version of the Project Proponent, the entire mining lease area is covered under these khasras.
- (ii) The mining lease area is surrounded on three sides by Aravali Plantation and mine is at zero distance from the Aravali Plantation of Rajawas village and area closed under Section 4 & 5 of PLP Act, 1900 of Madhogarh village. There is no road/path to reach to the proposed mine site. The access to mining area is only possible through Aravali Plantation or area closed under PLP Act, 1900 or through private land. DFO has also mentioned that any such proposal for path through Aravali Plantation has not been received under the FC Act, 1980 in his office. However, the Project Proponent has informed that they will use the approach upto mining area through private land in the starting for which the permission from private land owners has been obtained and lease agreement has been signed. It is also informed by the Project Proponent that they have submitted a proposal to State Forest Department to allow the approach through Aravali Plantation area involving forest area to the extent of 0.245086 hectare under FC Act, 1980.
- (iii) It is noticed that on entire mining area, isolated trees and shrubs are available.
- (iv) In the beginning 33 feet PWD road from Mahendragarh to Gurawata mining site will be used for transportation of mined material through trucks.

Transport of 500 Trucks per day is expected. Following safeguards are recommended by the team:-

- (a). The road should be maintained.
- (b). Regular sprinkling of the road for dust suppression should be ensured.
- (c). Speed limit of the trucks should be fixed through habituated/populated area so that the children could not get injured.
- (d). Speed breakers should be constructed through habituated/populated area for the safety of children.
- (e). Two lane alternate paths for truck movement should be constructed for truck movement to avoid habituated/populated area, traffic congestion and air pollution due to dust emission in due course of time.

The Committee deliberated at length the information submitted by Project Proponent and the **outcome of the Sub-Committee visit Report** and **recommended** the Proposal for environmental clearance for Mining of Stone (Minor Mineral) with proposed production capacity of 9.0 million TPA (ROM) of Stone.

The Committee also **recommended** additional **specific conditions** viz. (i) The road should be maintained; Regular sprinkling of the road for dust suppression should be ensured; Speed limit of the trucks should be fixed through habituated/populated area so that the children could not get injured; Speed breakers should be constructed through habituated/populated area for the safety of children; and Two lane alternate path for truck movement should be constructed for truck movement to avoid habituated/populated area, traffic congestion and air pollution due to dust emission in due course of time; (ii) An independent study be organised during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential stone extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of stone; (iii) 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; (iv) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing; (v) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which, a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground

water level and quality shall be submitted to the Regional Office of the Ministry; (vi) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres; (vii) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board; (viii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; (ix) A comprehensive study for slope stabilization of mine benches and OB dumps shall be undertaken within one year; (x) Washing of all transport vehicle should be done inside the mining lease (xi) "Environmental Clearance is subject to final outcome of the Court case in Hon'ble High Court of Punjab and Haryana" or any other Court of Law; (xii) Native plant species as suggested by villagers/specialist may be planted; and (xiii) Implementation of Haryana Government Rehabilitation and Resettlement of Land Owners' Policy as per applicability in the area.

(3.2):Dungla Limestone Mine with enhancement of Production Capacity from 24,567 TPA to 2 Lakh TPA of Limestone (ROM) by M/s Associated Limestone Ltd., located at Vill-Ahiron Ka Khera, District Chittorgarh, Rajasthan (119 ha)-Examination of proposal w.r.t. Application No. 195 of 2014 in the matter of M/s Associated Limestone Ltd. Vs. Secy. MoEF&CC & Anr before the Hon'ble NGT Delhi.

The Hon'ble NGT, Delhi in the matter of M/s Associated Limestone Ltd. Vs. Secy. MoEF&CC & Anr. [Application No. 195 of 2014], vide order dated 03.02.2015, disposed the case and directed the MoEF&CC to reconsider the view expressed in MoEF 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 re-examine the proposal.

Details of Proposal:-

01. The proposal of M/s Associated Limestone Ltd. is for enhancement of Production Capacity from 24,567 TPA to 2 Lakh TPA of Limestone (ROM). The mine lease area is located at Vill-Ahiron Ka Khera, Distt-Chittorgarh, Rajasthan. The Latitudes and Longitudes of mine lease area are 24⁰30'22.9" N to 24⁰30'50.33" N and 74⁰22'15.17" E to 74⁰ 23'5.52" E respectively. The mine lease area is 119ha. No forest land is involved. A crushing and screening plant of 100 TPH capacity will be installed as part of this project. The ultimate working depth will be 422 mRL. Mine working will not intersect ground water. Mine working will be by semi-mechanized opencast method.

02. The MoEF&CC had prescribed TOR for the same project vide MoEF letter no. J-11015/430/2008-IA.II (M) 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 PP 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. PP has requested to use the base line data and Public Hearing for preparation of the EIA/EMP report (as above).

03. Based on the Application submitted by PP 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.

04. In view of the decision of the MoEF&CC, the PP 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 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 meeting ended with the thanks to the Chair.

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 PM₁₀, 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 4th 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.

List of Participants

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|---|------------------|
| 1. Shri M. S. Nagar | Chairman |
| 2. Dr. S. Subramaniyan | Member |
| 3. Prof. L. Ajay Kumar | Member |
| 4. Shri P.K. Verdia | Member |
| 5. Prof. G.S. Roonwall | Member |
| 6. Prof. A.K. Bhatnagar | Member |
| 7. Dr. U. Sridharan, Director (Scientific), MoEFCC | Member Secretary |
| 8. Representatives of M/s Garhwal Mandal Vikas Nigam (GMVN) Limited | |
| 9. Representatives of M/s Bharat Singh Shekhawat | |
| 10. Representatives of M/s Shri Somprakash Sethi | |
| 11. Representatives of M/s Sanjay Kumar Garg | |
| 12. Representatives of Shri Pradeep Kumar Sethi | |
| 13. Representatives of M/s Himmat Singh Shekhawat | |
| 14. Representatives of M/s Rajputana Properties Pvt. Ltd. | |
| 15. Representatives of M/s Mangilall Rungta | |
| 16. Representatives of M/s Gujarat Industries Power Co. Ltd. | |
| 17. Representatives of M/s Shri Rajvir Chauhan | |
| 18. Representatives of M/s Shri Vipin Gupta | |
| 19. Representatives of M/s Jaiprakash Associates Ltd. | |
| 20. Representatives of M/s Astin Excavation Mining Pvt Ltd. | |
| 21. Representatives of M/s Antheia Properties Private Limited | |
| 22. Representatives of M/s Abhimanyu Choudhary | |
| 23. Representatives of M/s Mahendra Singh Ratnawat | |
| 24. Representatives of M/s Chandak Associates | |
| 25. Representatives of M/s Shri Mangal Singh Solanki | |
| 26. Representatives of M/s Shri Sandeep Kumar Bansal | |
| 27. Representatives of M/s R.C. Gupta & Hem Kumar Gupta | |
| 28. Representatives of M/s Hills Stone Works | |
| 29. Representatives of M/s Jai Karan | |
| 30. Representatives of M/s Anil Joshi | |
| 31. Representatives of M/s. VNS Infrastructure Private Limited | |
| 32. Representatives of M/s. Anand Singh and Company | |
| 33. Representatives of M/s Tekno Exports | |
| 34. Representatives of M/s Aleron Consultants (India) Pvt. Ltd. | |
| 35. Representatives of M/s Tamil Nadu Minerals Limited | |
| 36. Representatives of M/s Basant Stone Works | |
| 37. Representatives of M/s UltraTech Cement Ltd. | |
| 38. Representatives of M/s Shyam Jaina Ram | |
| 39. Representatives of M/s Madras Cements Ltd | |
| 40. Representatives of M/s Ferro Alloys Corp. Ltd | |
| 41. Representatives of M/s My Home Industries Limited | |
| 42. Representatives of M/s Shri Ved Prakash Yadav | |
| 43. Representatives of M/s Divyajyothi Steel Ltd | |

44. Representatives of M/s Shri Prabodh Mohanty
45. Representatives of M/s E. Hemendra Goud
46. Representatives of M/s Kursenga Parvathi
47. Representatives of M/s M.S.P Granites
48. Representatives of M/s Mahadev Enclave Pvt. Ltd.
49. Representatives of M/s Bandral stone crusher Representatives of
50. Representatives of M/s Reliance Cement Company Pvt.
51. Representatives of M/s ACC Ltd.
