

The 17<sup>th</sup> meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 06<sup>th</sup> April, 2016 under the Chairmanship of Dr. Navin Chandra for discussion on the query responses submitted by the PP and the projects / issues received from SEIAA. The following members attended the meeting-

1. Shri. Anil Kumar Sharma, Member.
2. Dr. Sonal Mehta, Member.
3. Dr. Mohd. Akram khan, Member.
4. Shri. Mohd. Kasam khan, Member.
5. Shri. Prashant Shrivastava, Member.

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. **Case No. 3271/15 Shri Maherwan Singh S/o Shri Shiv Singh, Vill.-Ganeshpura, Teh.- & District-Rajgarh (MP)-465661. Prior Environment Clearance for approval of Sand Quarry Lease Area - 18.774 ha., Capacity - (15,000 cum/year) at Khasra No.-01, 158, Vill.-Ganeshpura, Teh.-Rajgarh, District-Rajgarh (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No.-01, 158, Vill.-Ganeshpura, Teh.-Rajgarh, District-Rajgarh (MP) 18.774 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.293, dated: -17/04/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 01/SEIAA/16 dated 01/04/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant wherein during presentation an anicut like structure was seen in the Google image based on the co-ordinate provided by the PP. Thus committee decided that for safety 100 meter area be left on the both side of the anicut in the QL as no mining area. The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant

of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 15,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- 100 meter area be left on the both side of the anicut in the QL as no mining area.

**2. Case No. - 3924/15 Shri Kailash Chandra Gupta, M/s Sainik Foods Pvt. Ltd., H.I.G.G.D-5, Dindayal Nagar, Phase-1, Kanth Road, Muradabad (UP)-461661. Prior Environment Clearance for approval of Sand Quarry in an area of 10.100 ha. (1,00,000 cum/year) at Khasra no.-239/1, Vill.-Neelkanth, Tehsil-Nasrullaganj, District-Sehore (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-239/1, Vill.-Neelkanth, Tehsil-Nasrullaganj, District-Sehore (MP) 10.100 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.1932, dated: -16/7/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was earlier recommended for EC in the 251<sup>st</sup> SEAC meeting dated 16/12/2015.

SEIAA vides their letter no. 09/SEIAA/16 dated 01/04/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 1,00,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**3. Case No. – 2851/2015 Shri Nagendra Singh, OIC, M.P. State Mining Corporation Ltd., Civil Line, Tikamgarh (MP)-472001 Sand Quarry Lease Area- 5.950 ha.Capacity - 58,989 cum/year, at Khasra No. – 469, Vill.-Bela, Teh.-Palera, District-Tikamgarh (MP) (Capacity as per revised mine plan is 58,989 cum/year)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. ó 469, Vill.-Bela, Teh.-Palera, District-Tikamgarh (MP) 5.950 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar. Concerned Mining Officer vides letter no.260 dated:

-01/12/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 12965/SEIAA/16 dated 30/03/2016 have forwarded the replenishment plan of the above lease and PP has revised the mine plan & according to the revised mine plan the approved quantity is 58,989 cum/year.

The case was presented by the PP and their consultant wherein the submission made by the PP were found satisfactory and acceptable but during scrutiny of documents it was observed that so far PP has not submitted the DFO certificate. Thus committee decided that PP may be asked to submit DFO certificate within 15 days.

**4. Case No. – 2842/2015 Shri Nagendra Singh, OIC, M.P. State Mining Corporation Ltd., Civil Line, Tikamgarh (MP)-472001 Sand Quarry Lease Area - 7.891 ha.,Capacity - 32,701 cum/year, at Khasra No. –34,Vill.-Kubari, Teh.-Palera, District-Tikamgarh (MP) (Capacity as per revised mine plan is 32,701 cum/year)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 634, Vill.-Kubari, Teh.-Palera, District-Tikamgarh (MP) 7.891 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.1258, dated: 01/12/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 12979/SEIAA/16 dated 30/03/2016 have forwarded the replenishment plan of the above lease along with the revised the mine plan & according to the revised mine plan the approved quantity is 32,701cum/year.

The case was presented by the PP and their consultant wherein during presentation it was observed as per Google image of April, 2014 based on the co-ordinates provided by the PP that apprx. 55% of the lease area is submerged in water and only 45% of the area is remaining for safe & sustainable sand mining. Since the approved volume of sand evacuation as per revised mine plan is 32,701cum/year which can be achieved from the remaining 45% of the area. The submissions made by PP were found satisfactory and

acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -B

- Production of Sand as per mine plan with quantity not exceeding 32,701cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**5. Case No. – 2839/2015 Shri Nagendra Singh, OIC, M.P. State Mining Corporation Ltd., Civil Line, Tikamgarh (MP)-472001. Sand Quarry Lease Area- 5.850 ha.Capacity - 1,00,000 cum/year, at Khasra No. – 665, Vill.-Karoula, Teh.-Palera, District-Tikamgarh (MP) (Capacity as per revised mine plan is 1,15,694 cum/year)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 665, Vill.-Karoula, Teh.-Palera, District-Tikamgarh (MP) 5.850 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.1259, dated: -01/12/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 12957/SEIAA/16 dated 30/03/2016 have forwarded the replenishment plan of the above lease along with the revised the mine plan & according to the revised mine plan the approved quantity is 1,15,694 cum/year.

The case was presented by the PP and their consultant wherein during presentation it was observed as per Google image of April, 2014 and February, 2012 that entire lease area is submerged in the water and also the site is located on the upstream of a dam. The Google image submitted by the PP and their consultant along with the presentation was very old and was off June, 2004. The committee also instructed the consultant & PP to always attach recent available Google image with the presentation in the future for realistic assessment of the site. The committee after deliberations decided that since entire lease area is submerged in water as per the Google image of April, 2014 (summer season) the grant of Environmental Clearance is not recommended for this QL for the above mentioned reasons.

**6. Case No.4168/15 M/s Ankur Construction, Shri Rounak Jain, Cement Road, Kothi Bazar, and Betul (M.P) 461223 Prior Environment Clearance for approval of Sand Quarry in an area of 09.00 ha. (1,35,000 cum/year) at Khasra No.- 1/1, Village-Guranjhat, Tehsil-Seoni Malwa, District-Hoshangabad (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. - 1/1, Village-Guranjhat, Tehsil-Seoni Malwa, District-Hoshangabad (MP) 09.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.2983, dated: -10/08/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was earlier recommended for EC in the 257<sup>th</sup> SEAC meeting dated 04/01/2016.

SEIAA vides their letter no. 03/SEIAA/16 dated 01/04/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant

of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 1,35,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**7. Case No.4206/15 Shri Rounak Jain, M/s Ankur Construction, Sub Lessee, M/s M.P. State Mining Corp. Ltd., Cement Road, Kothi Bazar, and District-Betul (MP)-461223 Prior Environment Clearance for approval of Sand Quarry in an area of 6.433 ha. (96,495 cum/year) at Khasra no.-291, 559, Village-Dethi, Tehsil-Seoni Malwa, District-Hoshangabad (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-291, 559, Village-Dethi, Tehsil-Seoni Malwa, District-Hoshangabad (MP) 6.433 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-2985, dated: -10/08/15, has reported that there are 02 more mines operating or proposed within 1000 meters around the said mine with total area of -8.557 ha including this mine.

The case was earlier recommended for EC in the 257<sup>th</sup> SEAC meeting dated 04/01/2016.

SEIAA vides their letter no. 13/SEIAA/16 dated 01/04/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant wherein it was observed as per the Google image that a natural drain is joining the lease from the northwest side in Khasra no. 291. Thus committee decided that 50 meters area be left in the lease of Khasra no. 291 on the both side where natural drain is joining the river. Other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 96,495 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- In khasra no. 291, 50 meters area be left in the lease on the both side where natural drain is joining the river.

**8. Case No.4219/15 Shri Kailash Chandra Gupta, M/s Shiva Corporation India Pvt. Ltd., 312, Ganpati Plaza, MIG Road, Jaipur (Raj.)-472001. Prior Environment Clearance for approval of Sand Quarry in an area of 20.00 ha. (6,00,000 cum/year) at Khasra no.-591/1228, Village-Govarde, Tehsil-Manpur, District-Umaria (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-591/1228, Village-Govarde, Tehsil-Manpur, District-Umaria (MP) 20.00 ha. The project requires prior EC before commencement of any activity at site.



PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.1739, dated: -10/09/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was earlier discussed in the 257<sup>th</sup> SEAC meeting dated 04/01/2016 wherein it was observed that the evacuation route proposed by the PP apparently passes through Bahdhavgarh Tiger Reserve Area (Proposed Route by PP is - ML area to Umaria via Tala). Thus committee decided to confirm from the Chief Wild Life Warden, Bahdhavgarh Tiger Reserve, Bahdhavgarh whether the said route forms part of the Bahdhavgarh Tiger Reserve and also obtain specific comments on evacuation of such a huge quantity of mineral (6,00,000 cum/y) from the proposed route.

SEIAA vides their letter no. 51/SEIAA/16 dated 01/04/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant wherein in PP i.e. MP State Mining Corporation Ltd has informed that vide letter no. 1079 dated 11/03/2016 they have proposed an alternate route for evacuation of sand from Govarde sand mine which will now be transported from Govarde sand mine to Tohta Turn to Bauhari to Rewa avoiding Bahdhavgarh Tiger Reserve Area.

During presentation, it was observed that the lease area of Khasra no. 591/1228 is in two parts and a bridge is crossing the lease. It was also observed by the committee that the part of both the leases located in Khasra no. 591/1228 is submerged in water and a natural drain is joining the lease at southern side. Considering above situation committee decided that approx. 35% of the area become unminable and thus only 3,90,000 cum/year of sand be allowed to be evacuated. Other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-B

- Production of Sand as per mine plan with quantity not exceeding 3,90,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.

- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**9. Case No.4578/15 Mr. Raees Khan S/o Mr. Ibrahim Khan R/o Vill. Paripura, Tehsil – Biaora, Distt. Rajgarh (M.P.) 465 677 Prior Environment Clearance for approval of Sand Quarry in an area of 9.734 ha. (4000 cum/Year) at. Khasra No. 369, 430 & 435 at Vill. Pahadgarh, Tehsil – Biaora, Distt. Rajgarh (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at. Khasra No. 369, 430 & 435 at Vill. Pahadgarh, Tehsil ó Biaora, Distt. Rajgarh (M.P.) 9.734 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-684, dated: -21/08/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**10. Case No.4823/15 Shri Tejendra Singh, M/s Digiana Industries Pvt. Ltd., Sub Lessee of M.P. State Mining Corporation Limited, G-1, M-3, Sapna Chambers, 12/1, South Tukoganj, Indore (MP)-452001 Prior Environment Clearance for Sand Mine in an**

**area of 17.100 ha. (1,75,000 cum/year) at Khasra no.-01, Village-Khojanpur, Tehsil-Hoshangabad, District-Hoshangabad (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-01, Village-Khojanpur, Tehsil-Hoshangabad, District-Hoshangabad (MP) 17.100 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.2852, dated: -24/07/15, has reported that there are 02 more mines operating or proposed within 1000 meters around the said mine with total area of -54.605 ha including this mine.

SEIAA vides their letter no. 12963/SEIAA/16 dated 30/03/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant and during presentation it was observed that concerned Mining Officer vides letter no.2852, dated: -24/07/15, has reported that there are 02 more mines operating or proposed within 1000 meters around the said mine with total area of -54.605 ha including this mine.. It being a case of cluster where the total area is > 25 ha. it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Detailed evacuation plan is to be discussed in the EIA report.
2. EIA/EMP is required to be prepared for entire cluster in order to cover all the possible externalities. The report should cover carrying capacity, transportation and other related issues for the cluster.
3. Photographs and maps depicting all the mines present in the cluster.
4. On a Google map, show all the mines in a cluster with all four co-ordinates of individual mines.
5. The date and duration of carrying out the base line data collection and monitoring be informed to the concerned Regional Officer of the M. P. Pollution Control Board.
6. Photographs of individual mine during EIA process with date.
7. Justify the production from each mine and also justify the duration when mining is possible.

8. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
9. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.
10. Discuss and assess impacts of sand mining on pisciculture.
11. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.
12. Discuss the measures that will be adopted for the bank erosion.
13. Indicate in EIA the structures such as bridges/barrages/dams close to individual leases in cluster and effects of mining on their structure stability with protection plan.
14. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.
15. If a habitation is in close vicinity of ML area then possible impacts & mitigation measures be addressed in EIA.

**11. Case No.4216/15 Shri Kailash Chandra Gupta, M/s Shiva Corporation India Pvt. Ltd., 312, Ganpati Plaza, MIG Road, Jaipur (Raj.)-472001. Prior Environment Clearance for approval of Sand Quarry in an area of 16.00 ha. (1,20,000 cum/year) at Khasra no.-1/1, 36, Village-Toriyaugad, Tehsil-Palera, District-Tikamgarh (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-1/1, 36, Village-Toriyaugad, Tehsil-Palera, District-Tikamgarh (MP) 16.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-905, dated: -28/8/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**12. Case No.4550/15 M/s. S.R. Traders, Sub Lessee, M.P. State Mining Corp. Ltd., Shri Atul Gondal, E-5, Shop NO. 12 Metro Plaza, Bittan Market, Bhopal (M.P.) – 462 004. Prior Environment Clearance for approval of Sand Quarry in an area of 7.0 ha. (70,000 cum/Year) at Khasra No. 896/1 at Vill. Shahganj, Teshil – Budhni, Distt. Sehore (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 896/1 at Vill. Shahganj, Teshil ó Budhni, Distt. Sehore (M.P.) 7.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.-1784 dated: -10/7/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 307/SEIAA/16 dated 02/04/2016 have forwarded the replenishment plan of the above lease.

Case was presented by PP and their consultant. During presentation, it was observed that as per the certificate issued by the DFO, Ratapani Abhayaran is at a distance of 8.0 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/324/2015 and date of submission is 09/11/2015. It was also observed during presentation as per the Google image of January, 2016 based on the co-ordinates provided by the PP that some parts of the lease area is submerged in the water and thus committee decided that 30 meters area of lease from the river side be left as no mining area as it is submerged in water. The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 70,000 cum/year.

- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**13. Case No. 4194/15 Shri Kailash Chandra Gupta, M/s Shiva Corporation India Pvt. Ltd., 312, Ganpati Plaza, MIG Road, District-Jaipur (Raj.) Prior Environment Clearance for approval of Sand Quarry in an area of 5.666 ha. (43,000 cum/year) at Khasra no.-01, Village-Saipura, Tehsil-Palera, District-Tikamgarh (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-01, Village-Saipura, Tehsil-Palera, District-Tikamgarh (MP) 5.666 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-901 dated: -28/8/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**14. Case No.4220/15 Shri Kailash Chandra Gupta, M/s Shiva Corporation India Pvt. Ltd., 312, Ganpati Plaza, MIG Road, Jaipur (Raj.)-472001. Prior Environment Clearance for approval of Sand Quarry in an area of 10.627 ha. (80,000 cum/year) at Khasra no.-01, 349, Village-Pachoura, Tehsil-Lidhaura, District-Tikamgarh (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-01, 349, Village-Pachoura, Tehsil-Lidhaura, District-Tikamgarh (MP) 10.627 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.197, dated: -19/2/16, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**15. Case No. 4197/15 Shri Kailash Chandra Gupta, M/s Shiva Corporation India Pvt. Ltd, Sub Lessee of M.P. State Mining Corporation Ltd., 312, Ganpati Plaza, M.I.G. Road, Jaipur, (Raj.) 472221 Prior Environment Clearance for River Sand Mine in an area of 5.289 ha. (1,13,000 cum/year) at Khasra no.-01, Village-Pachghara, Tehsil-Lidhaura, District-Tikamgarh (MP)**

This is case of River Sand Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-01, Village-Pachghara, Tehsil-Lidhaura, District-Tikamgarh (MP) 5.289 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-903 dated: -28/8/15, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**16. Case No. – 2931/2015 Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12 Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (M.P.)-461001. Divlakhedi River Sand Mine Lease Area - 12.145 Ha., Capacity - 1,10,000 cum/year, at Khasra no.-60, Vill.- Divlakhedi, Teh.-Hoshangabad, District-Hoshangabad (M.P.)**

This is case of Divlakhedi Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-60, Vill. - Divlakhedi, Teh.-Hoshangabad, District- Hoshangabad (M.P.) 12.145 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.197, dated: -19/2/16, has reported that there are 07 more mines operating or proposed within 1000 meters around the said mine with total area of -235.609 ha including this mine.

The case was earlier discussed in the 213<sup>th</sup> SEAC meeting dated 08/08/2015 wherein it was observed that beside this a lease area of 116.760 Ha is adjoining to this cluster which is yet not allocated for sand mining to the contractors. Thus committee suggested the PP to apply for EC incorporating all the proposed projects however, applications for each project shall be made separately. It was decided by the committee to return the case to SEIAA. The mining



Plan and the EMP for each of the projects in the cluster should address the points suggested by the committee in other sand mining projects.

SEIAA vide their letter no. 389/SEIAA/16 dated 02/04/2016 have forwarded the documents submitted by PP vide inward letter no. 4006 dated 30/03/16 and 3915 dated 22/03/2016 with revised MO certificate of 500 meters and replenishment plan of the above lease.

The case was presented by the PP and their consultant wherein it was observed that Mining Officer vide their letter no. 3975 dated 21/03/2016 has submitted that there are no mines sanctioned within 500 meters and thus as revised per mining officer this mine becomes non-cluster mine. The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 1,10,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**17. Case No. 4853/15 Shri Tejendra Singh, M/s Digiana Industries Pvt. Ltd., Sub Lessee of M.P. State Mining Corporation Limited, G-1, M-3, Sapna Chambers, 12/1, South Tukoganj, Hotel Shrimaya ke Piche, Indore (MP)-452001 Prior Environment**

**Clearance for approval of Sand Mine in an area of 10.555 ha. (95,000 cum/year) at Khasra no.-126, Village-Raipur, Tehsil-Hoshangabad, District-Hoshangabad (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-126, Village-Raipur, Tehsil-Hoshangabad, District-Hoshangabad (MP) 10.555 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-2856 dated: -24/7/15, has reported that there are 12 more mine operating or proposed within 1000 meters around the said mine with total area of 128.885 ha including this mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**18. Case No. 5120/16 Shri Amit Khampariya, Sub Lessee of MPSMCL, 3162, Ganga Nagar, Jabalpur (MP)-482003 Prior Environment Clearance for Sand Quarry in an area of 8.635 ha. (32,000 cum/year) at Khasra no.-1763, 95/1, Village-Jaithari/Govari, Tehsil-Jaithari, District-Anuppur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-1763, 95/1, Village-Jaithari/Govari, Tehsil-Jaithari, District-Anuppur (MP) 8.635 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-2019, dated: -07/12/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed from the Google image based on the co-ordinates provided by the PP that a natural drain is joining the lease at western side. Thus committee decided that 10 meter area be left as a non-mining area on the both sides of the lease where the natural drain is joining the lease. The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -B

- Production of Sand as per mine plan with quantity not exceeding 32,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- 10 meter area be left as a non-mining area on the both sides of the lease where the natural drain is joining the lease.

**DISCUSSION ON PROJECTS/ISSUES RECEIVED FROM SEIAA/INSPECTION REPORT AND QUERRY RESPONSE SUBMITTED BY PP.**

19. Following cases are sent back by SEIAA as these cases pertains to village Biloua and therefore should have been part of Biloua cluster for which Honøble NGT has also directed to form a committee for a site visit and thereafter its site report. SEIAA has decided to return the case to SEAC for appraisal as per the directives of Honøble NGT:-

1.	<p><b>Case No.</b> – 1946/2014 Smt. Manjula Jain W/o Shri Sanjay Jain, 168, Near Head Post Office, Killa Road, District-Bhind (MP)-477001</p>	8821 dt-7/12/15, rec.dt-14/12/15	<p><i>Stone Quarry Lease Area - 2.00 ha., at Khasra No.-3619/3 K, Capacity – 42117 Cu mt/ year, Revised Capacity – 15894 Cu mt/ year, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)</i></p>	<p><b>Case Rec. 183<sup>rd</sup> SEAC Meeting dt. 27/04/15.</b> Comments of mining officer as per the minutes:- “It was reported by the concerned Mining Officer of mining department vide letter no. QL58 dated 07/10/2014, that 05 more mines are operating / proposed within 500 meter radius around the said mine the total lease area being 9.625 ha. PP has reported that the pit formed after mining shall be developed into a water body”.</p>
2.	<p><b>Case No.</b> – 1981/2014 Smt. Manju Gupta W/o Shri B.K. Gupta, Suresh Nagar, Thatipur, Murar, District-Gwalior (MP)-474011</p>	8823 dt-7/12/15, rec.c.dt-14/12/15	<p><i>Stone Quarry Lease Area - 2.00 ha., at Khasra No.- 3619/3 k, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP) Capacity – 42117 Cu mt./year.</i></p>	<p><b>Case Rec. 169th SEAC Meeting dt. 27/01/15.</b> Comments of mining officer as per the minutes:- Mining Officer, Gwalior vide letter no. QL-31/2011 dated 29/12/2014 has reported that total six mines are operating / proposed within 500 meter radius and cumulative lease area of all the six mines including this mine is 9.625Ha, the distance of this cluster of six mines from the boundary of major cluster of mines in Bilaua Region is more than 500 meters.</p>
3.	<p><b>Case No.</b> – 2050/2014 Shri Sanjay Jain M/s Sai Minerals, C.L. 34, Dindayal Nagar, District-Gwalior (MP)</p>	8827 dt-7/12/15, rec.dt-14/12/15	<p><i>Stone Quarry Lease Area - 2.00 ha., Khasra No. – 3619/3k, Capacity – 15894 (Rev. Cap.) at Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)</i></p>	<p><b>Case Rec. 165th SEAC Meeting dt. 08/01/15.</b> Comments of mining officer as per the minutes:- It was reported by the concerned Mining Officer of mining department:  (i) vide letter no. QL-104 dated 07/10/2014, that 05 more mines are operating / proposed within 500 meter radius around the said mine and the total lease area is 9.625 Ha.  (ii) vide letter no. QL-104 dated 29/12/2014, that the distance of this group of mines from the major cluster of the Bilaua region is more than 500 meters.</p>

4.	<p><b>Case No. – 2066/2014</b> M/s Sarita Gupta W/o Dilip Gupta, Khasgi Bazar, Lashkar, Gwalior-474001 (MP)</p>	<p>8825 dt- 7/12/15, rec.dt- 14/12/15</p>	<p><i>Black Metal Stone Quarry Lease Area - 1.625 ha., at Khasra No. – 3619/3A, Capacity – 35060 MT/Annum Cu. mt./year. Village- Billaua, Tehsil-Dabra, District-Gwalior (MP)</i></p>	<p><b>Case Rec. 166th SEAC Meeting dt. 09/01/15.</b> Comments of mining officer as per the minutes:- <i>It was reported by the concerned Mining Officer of mining department vide letter no. QL 73 dated 29/12/14, that 05 more mine is operating / proposed within 500 meter radius around the said mine the total lease area being about 10 Ha. It was also reported that this group of mines is at a distance of more than 500 meters from the major cluster of Billaua.</i></p>
5.	<p><b>Case No. – 2185/14</b> Smt. Asha Sharma W/o Shri Suresh Sharma, Ahukhana Ghas Mandi, Gwalior (MP)-477001</p>	<p>8831 dt- 7/12/15, rec.dt- 14/12/15</p>	<p><i>Stone Quarry Lease Area - 2.00 ha., at Khasra No.-3619/3 k, Capacity – 15894 Cubic meter/year. Village- Billaua, Tehsil-Dabra, District-Gwalior (MP)</i></p>	<p><b>Case Rec. 183<sup>rd</sup> SEAC Meeting dt. 27/04/15.</b> Comments of mining officer as per the minutes:- <i>It was reported by the concerned Mining Officer of mining department vide letter no. 23 dated 07/10/2014, that 05 more mines are operating / proposed within 500 meter radius around the said mine with total lease area of 9.625 Ha. PP has reported that the pit formed after mining shall be developed into a water body. Crusher is proposed in the lease area. The case was considered in the 171<sup>st</sup> meeting whereby the Committee decided to obtain report from RO on location/distance of the proposed site with respect to the major cluster of mines of Bilaua region, before taking decision in the matter.</i>  <i>A report from RO and the Revenue department has been received in above context. It is reported that the proposed mine site is more than 500 meters away from the major cluster if Bilaua region.</i></p>
6.	<p><b>Case No. – 2221/2015</b> Smt. Bharti Yadav W/o Shri Shailendra Yadav, Vinay Nagar, Gwalior (MP)-</p>	<p>8829 dt. 07-12-15, Rec.Dt- 14/12/15</p>	<p><i>Granite (Gitti Patthar) Mine Lease Area - 2.00 ha., Khasra No. – 3619/3, Capacity – 15893 Cubic</i></p>	<p><b>Case Rec. 213<sup>th</sup> SEAC Meeting dt. 08/08/15.</b> Comments of mining officer as per the minutes:- <i>The case was discussed in the 186<sup>th</sup> SEAC meeting dated 30/04/2015 whereby it was decided that PP may be</i></p>

	474012		<i>meter/year, at Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)</i>	<p><i>called again for presentation with response on the following issues along with supporting documents:</i></p> <ol style="list-style-type: none"> <li><i>1. Letter of Mining Officer certifying the leases within 500 meters radius around the site.</i></li> <li><i>2. Copy of Khasra Panchshala.</i></li> <li><i>3. Latest Google image showing 500 mts radius around the mining lease area.</i></li> </ol> <p><i>The above information with supporting documents was submitted by the PP. Scrutiny of the submitted information and the documents were found to be satisfactory and acceptable hence PP may not be required for presentation.</i></p>
7.	<b>Case No.-3876/15</b> <b>Shri Sushil Kumar Jain</b> <b>S/o Shri B.K. Jain, M/s</b> <b>Stuti Stone Crushing Co.</b> <b>R/o J-82, Kalka Jee,</b> <b>Delhi-474001</b>	6689 dt. 23-10-15 rec.dt..6/11/15, 10827 dt. 29-01-16 rec.dt.-01/02/15,	<i>Prior Environment Clearance for approval of Stone Quarry Lease Area - 1.435 ha., Capacity - 20,000 cum/year, at Khasra No.-3579/7, 3577, Vill.-Billaua, Tehsil-Dabra, District-Gwalior (MP)</i>	<b>Case Rec. 249 SEAC Meeting dt. 14/12/15.</b> Comments of mining officer as per the minutes:- <i>Concerned Mining Officer vides letter no.- Q-L-50/2015, dated: 21/08/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine.</i>

The above cases were placed before the committee wherein it was observed by the committee that in all the above cases mining officer has certified the leases within 500 meters radius around the site and on the basis of MO certificate the EC was recommended by the SEAC. Committee after deliberations decided to carryout site visit of all the above cases by a sub-committee to ascertain whether above cases are part of Biloua cluster or not.

**20. Case No. – 2312/2014 Shri Surendra Singh Tomar S/o Shri Roop Singh Tomar, Village – Ata Karnelgarh, Tehsil – Malthon, Distt. Sagar (M-9893677392) Farsi Pattar Quarry, Lease Area – 1.963 ha., at Khasra No. 62, 64/1, 64/2, 64/3 Lease Period Ten Year at Village-Ata, Tehsil – Malthon, Distt. Sagar (MP), Capacity – 13,004**

**Cum/Year. Application forwarded by SEAC by SEIAA vide letter no. 2835/SEIAA/14 dated: 29/12/2014**

This is a case of mining of stone bolder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 62, 64/1, 64/2, 64/3 at Village-Ata Karnelgarh, Tehsil ó Malthon, Distt. Sagar (MP) in 1.963 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 590 dated : 09/09/2014, that 01 more mine is operating / proposed within 500 meter radius around the said mine and the total lease area is 2.293 ha. PP has reported that the pit formed after mining shall be developed into a water body.

On the basis of above submission the case was recommended for EC in the 178<sup>th</sup> SEAC meeting dated 24/03/2015 and the recommendations were sent to SEIAA. This case was rejected by SEIAA in the 212<sup>nd</sup> meeting dated 24/06/2015.

Hon~~o~~ble NGT Central Zone in appeal no.43/2015 (Surendra Singh Tomar V/s Chairman, MPSEIAA & Others) by order no. 07 dated 19/01/2016 has remanded the case to SEIAA with the direction that a fresh decision be taken in accordance with the data material received by way of inspection report with all relevant considerations.

As per the directives of Hob~~o~~ble NGT the case file along with inspection report was sent by SEIAA to SEAC II for re-appraisal vide letter no. 12666/SEIAA/16 dated 29/03/2016.

The case was placed before the committee along with the report of the joint inspection committee constituted by the hon~~o~~ble NGT vide order dated 22/12/2015.

As per the joint inspection report it is evident that the village is only 60 meters away from the QL while Tehsildar vide their letter dated 22/09/2014 has reported that the village is at a distance of 350 meters and the educational institute is at 400 meters. Similarly Mining Officer vide their letter no. 609 dated 08/06/2015 has also confirmed that the human settlement is 350 meters away from the lease. The committee after deliberation decided that

as per the joint inspection report of the committee the distance of QL (Khasra no. 64/1,64/2 & 64/3) from human settlement is only 60 meters and as per the MMR, 1996 sub rule 5 (2) (c) the minimum distance from public place should be 100 meters. As this site does not meet the minimum criteria of distance as per the MMR, 1996 sub rule 5 (2) (c), the committee recommends that this case should not be recommended for grant of Environmental Clearance.

**21. Case No. - 5019/2016 Shri Manoj Kumar Sharma S/o Shri Satyanarayan Sharma, Green Park Colony, Burhanpur (MP)-450445. Prior Environment Clearance for Sand Auction Quarry in an area of 7.00 ha. (40,160 cum/year) at Khasra No.-01, Village-Nachan Kheda, Tehsil-Burhanpur, District-Burhanpur (MP)**

This is case Nachan Kheda Sand Auction Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No.-01, Village-Nachan Kheda, Tehsil-Burhanpur, District-Burhanpur (MP) 7.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-Q/2015, dated: 08/04/15 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was earlier presented by the PP and their consultant in the 13<sup>th</sup> SEAC meeting dated 21/03/2016 wherein during presentation it was observed from the Google image based on the co-ordinate provided by the PP that entire mine lease are falls in the river. PP informed that there is mistake in the co-ordinates as his site is on the banks of the river. Thus committee after deliberations decided that PP may be asked to provide correct co-ordinates of the site for appraisal of the project.

PP vide letter dated 04/04/2016 has submitted the revised co-ordinates of the site issued by the office of collector (mining section) district Burhanpur vide letter no. 1823/khanij/2016 Burhanpur, dated 31/03/2016 & signed by the asstt mining officer along with Khasra map and panchnama. The case was presented by the PP and their consultant wherein during presentation it was observed that 20% area of the lease is submerged in water from the eastern side of the mine as per the revised co-ordinates. The other submissions made by PP



were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 40,160 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.
- No mining shall be carried out in the eastern side of the lease which is submerged in water.

**22. Case No. 99/2008 M/s Nirmala Minerals Pathaleward Katni M.P. Dubiyara Iron Ore Mine 32.375 ha. at Dubiyara Talluka-Sihora Jabalpur M.P. Dubiyara Iron Ore Mine, Nirmala Minerals Distt. Jabalpur, Area: 32.374 Ha, Prod: 0.20 Million T/Y.**

This is case of Iron ore mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Village- Dubiyara Talluka-Sihora Jabalpur (MP) with area 32.374 7 ha. The project requires prior EC before commencement of any activity at site.

## **INTRODUCTION**

Dubiyara Iron Ore mine is situated in village Dubiyara, Tehsil- Sihora, District Jabalpur of Madhya Pradesh State.

### Location

The mine lease area is located within the jurisdiction of Dubiyara village, Tehsil-Sihora, District Jabalpur (M.P). Geographically the ML area falls under following co-ordinates:

Latitude	:	N 23 <sup>0</sup> 22ø31.9ö to 23 <sup>0</sup> 22ø56.1ö N
Longitude	:	E 80 <sup>0</sup> 09ø51.8 to 80 <sup>0</sup> 10ø14.4ö
Altitude	:	400 m A.M.S.L

### PROJECT DESCRIPTION

#### Topography & Drainage

The lease area is hilly having sloped towards north and south. The highest elevation of the lease area is 430m A.M.S.L. on top of mound towards north direction and the lowest elevation is 405m A.M.S.L. towards south-west direction on foot of the mound.

The lease area has no Nallah or any pond or reservoir. Local nallah originating from the foot hill of hillocks and flowing towards west confluence in Barne nadi at 3.5 kms in west which in turn confluence in Hiran river at a distance of about 7kms in west direction.

#### Salient Features of Mining

- Mining is proposed by opencast mechanized method.
- Estimated Mineable Reserves: Hard/Lumps Iron ore = 22,24,137 tonnes.  
Soft/Fines Iron ore = 1,07,49,178.tonnes
- Maximum rate of production will be around 0.2 million tonnes per annum.
- Anticipated life of mine is 32 years.
- No Drilling and blasting has been proposed to be done in the area
- Tippers will be used for loading and dumping of waste material and ore.
- Quantum of waste is expected to be around 10,000 m<sup>3</sup> per year
- At present total man power is around 65.

## Land Use

The entire lease area 32.374 ha. It is a government revenue land. It is a working mine. Land use of mining lease area and study area are given below. The present land use of the area is as follows:-

<i>S.No.</i>	<i>Category</i>	<i>Land Use (In Ha.)</i>
1	Excavation	6.0
2	Over burden dumps	0.2
3	Mineral Storage	1.5
4	Roads	0.25
5	Green belt / Plantation	2.0
6	Others (Site services)	0.01
7	Undisturbed area	22.414
<b>Total</b>		<b>32.374</b>

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under BØ Category of EIA Notification, 2006 and is to be appraised by SEAC.

TOR was issued vide letter dated 07/08/08. The applicant presented the salient features of the project EIA / EMP and the public hearing issues were dealt in detail in the 45<sup>th</sup> SEAC meeting dated 27/01/2010. It was reported that the mine is existing but not operating. Method of mining is Open cast and manual. It was reported that no blasting shall be carried out. The nearest habitat is village Dubariya about 100 mts. from the project boundary. A crusher for sizing of mineral is also reported outside the lease area. The mining shall not intersect the GW table. PP has not submitted NOC from forest department. Mining lease has expired and was reported to be under renewal. After deliberation, committee has sought following information and details from the PP:

- NOC from forest and 'Gram Sabha'.
- Application/ Papers submitted for renewal of mining lease along with the relevant provision of the act and rules to be furnished.
- Leachate study of OB to be submitted.
- Air/Water Consent from MPPCB for operation of crusher.
- Full details of the nearby habitation with exact distances from the lease boundary and population etc.

PP has submitted the information and the case was placed for the presentation. The case was presented by the PP and their consultant on above issues. After presentation and discussion of above, it was observed that only issue remains unanswered is clearance / certificate of DFO for distance from forest boundary. PP during discussion submitted that since their mine is sanctioned prior to 2002, thus this clearance is not applicable in this case. The committee after deliberation decides that SEIAA may be requested to provide necessary clarification on this issue. Committee also decided that it being very old case, a site visit may also be carried out for this site to ascertain the present status of mine.

The site visit of above mine was carried out by a sub-committee and the report is as follows:-

### **(A) BACKGROUND**

The case was presented before the SEAC in its 265<sup>th</sup> meeting dated 13.01.2016. The Committee decided that it being very old case, a site visit may also be carried out for this site to ascertain the present status of mine

### **(B) PROJECT DETAILS**

This is a case of mining of mineral Iron ore covered in the schedule of EIA Notification as item no. 1(a) for mining of iron ore from an area of 32.374 hectare with proposed production capacity of 0.20 Million Ton/year at Khasra No.- 628/1 (Dubiyara) at Village óDubiyara, Tehsil-Sihora, District-Jabalpur.

As decided, Shri. Mohd. Kasam khan and Dr. Mohd. Akram khan Member of SEAC, visited the site on 12/03/2016. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, M. P Pollution Control Board, Bhopal and Shri V. K. Pandey (Manager-Mines) & Shri Mahendra Goyanka, representing M/s Nirmala Minerals were also present.

## **(C) OBSERVATIONS**

### **1. SITE DETAILS**

The above mine is located in district ó Jabalpur, Tehsil-Sihora in village - Dubiyara. This site is just adjacent to another mine (in west direction) of same lessee's sister concern (M/s Anand Mining) which is in operation at present. This is a mine lease of iron ore in an area of 32.374 Ha and the site is approx. 125 meters from village-Ghughri and 25 to 50 meters away from village- Dubiyara.

No habitation is seen in the ML area except the mine office and services areas. The whole mining lease area was fenced by barbed wire. The mine has two entry gates in north and south for mineral transportation and movement of staff/workers.

The topography of the site is hilly having slopes towards north & south and no top soil was observed in the lease area. Mining is proposed by fully mechanized open cast method. No surface water body is present in ML area except an old mined pit which is in the northern side of the ML area running east-west and the same was dry at the time of inspection.

No mining activities were carrying out at the time of inspection however water tankers and other machinery required for the mining do exist on the site standing idle near the site services area. As informed by PP that no crusher is proposed in the lease area and the crushing operations will be carried out in the adjacent mine (in west direction) of same lessee's sister concern which is in operation at present.

### **2) STATUS OF AFORESTATION**

No significant plantation was observed inside the lease area. However, Plantation was found by the side of the haul roads and towards the sloping side of the hill in 7.5 m barrier zone of the lease area. The trees were of mainly Khamar, Neem, Mahua and

Sejha & Mango. It was observed that PP has taken in to account natural vegetation as plantation.

### **3) STATUS OF DUMP AND MINERAL STACK**

No dump or mineral stacking was found towards the western and sloping northern side of the hill. The mineral stacks/dumps were found towards the southern side of the hill. As informed, the maximum height of the dump was approx. 15.0 meters suitably terraced in two lifts of 7.5 m height each. Protective toe wall was observed all around the mineral stacks in the ML area to prevent siltation of the southern side of the lease area. Drain was also found in the southern side of the mining lease boundary.

### **(D) ANALYSIS OF IMPACTS**

#### **1) IMPACT DUE TO BLASTING**

PP has informed that no drilling & blasting operations will be carried out for mining of minerals.

#### **2) IMPACT ON AIR QUALITY**

- (i) There is no top soil present in the ML area which may flow towards the village areas present nearby. As informed, the area is covered by laterite at top with very small patches of lateritic soil in north east and south side. In the excavated area Iron ore in form of lumps and fines is present. Generally, the bulk density of Iron ore fines (blue dust) and that off Iron ore lump is comparatively heavy and settles at very short distance depending upon the wind velocity.
- (ii) The pre dominant wind direction is from south west to north east and from west to east. The nearest village Dubiyara is located 25 to 50 mts away towards north which is not towards down wind direction and hence no impact in envisaged on this village. The other village Ghugri is located at approx. 125 m distance and hence considerable air pollution due to mining is not expected.
- (iii) The location of the pit is running east-west and the northern face of the quarry (after mining) will act as barrier for wind towards north east where Dubiyara and Ghugri village is located.

- (iv) No dump or mineral stacking was observed along the pre dominant wind direction i.e. west and east of the ML area and hence possibility of fugitive emission/particulate matter due to mineral stack will be negligible.

### **IMPACT ON WATER**

- (i) Mining has been carried out and proposed above the ground water table. As submitted by PP, No intersection of water table is proposed.

### **IMPACT ON NOISE**

- (i) Since no drilling & blasting is proposed hence no major source of noise vibration is foreseen. The Heavy earth moving machinery to be used in excavation and loading will only contribute toward noise level. Thus PP has to develop thick green belt all around the mining lease area, which will act as Sound Barrier Curtains.

The committee recommends that the case can be considered for the grant of EC subject to following additional conditions:-

- (i) The lessee shall not carry out any mining operation and transportation within 50m from any building or village area in accordance with rule 12 (d) of Minerals (Other than Atomic and Hydro carbons Energy Minerals) Concession Rules, 2016 notified on 04.03.2016 in Gazette of India. The PP shall demarcate 50m from the periphery of the nearest human habitation of Ghughri and Dubiyara village boundary in consultation with revenue/mining department around the mining lease area and this will be treated as no mining activity zone.
- (ii) Settling ponds of suitable sizes & sufficient retention capacity should also be constructed in the ML area to collect the water from the garland drains /toe wall.
- (iii) Plantation towards the sloping side of the hill in east, south and north will acts as barrier for spread of Air pollution or dust particles towards the village area. PP may be asked to develop thick green belt towards the village side in north and north east within 50m barrier which will act as a barricade for pollutants such as air & noise. This will be in addition to the existing plantation, which would be properly maintained, adequately densified and organized as a green belt.

- (iv) The lessee shall construct 6m high compound wall towards the periphery of the ML area along the northern boundary to act as a barrier for spread of dust particulates towards the village area.

The above report of the sub-committee was discussed in the meeting and after deliberations committee decided that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
5. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
6. Production of Iron Ore shall be as per the approved mining plan with quantity not exceeding 0.20 MTPA.
7. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
8. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. The lessee shall not carry out any mining operation and transportation within 50m from any building or village area in accordance with rule 12 (d) of Minerals (Other than Atomic and Hydro carbons Energy Minerals) Concession Rules, 2016 notified on 04.03.2016 in Gazette of India. The PP shall demarcate 50m from the periphery of the nearest human habitation of Ghughri and Dubiyara village boundary in consultation with revenue/mining department around the mining lease area and this will be treated as ñno mining activity zoneö.
11. Settling ponds of suitable sizes & sufficient retention capacity should also be constructed in the ML area to collect the water from the garland drains /toe wall.



12. Plantation towards the sloping side of the hill in east, south and north will acts as barrier for spread of Air pollution or dust particles towards the village area. PP should develop thick green belt towards the village side in north and north east within 50m barrier which will act as a barricade for pollutants such as air & noise. This will be in addition to the existing plantation, which would be properly maintained, adequately densified and organized as a green belt.
13. The lessee shall construct 6m high compound wall towards the periphery of the ML area along the northern boundary to act as a barrier for spread of dust particulates towards the village area.
14. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**23. Case No 709/2012 Janardanpur Limestone and Laterite Mine along with Crusher, Shri Sanktha Prasad Dwivedi, Vill.-Janardanpur, Teh.- Rampur Baghelan, Satna Prior Environmental Clearance for Limestone and laterite mine along with crusher in an area of 25.256 ha for production capacity 0.40 MTPA at Vill.- Janardanpur, Teh.- - Rampur Baghelan, District - Satna by Shri Sanktha Prasad Dwivedi.**

The project pertains to Item No. 1(a) category 'B' of the EIA Notification schedule, as the mining lease area of proposed mining project falls between 5 to 50 Ha. Hence it has to be appraised at SEIAA/SEAC of the state for grant of prior EC. The application and relevant documents were forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out EIA /EMP. The case was presented before the committee by the PP and his consultant, which reveals following features of the project:

- ~ The ML area is located near village Janardanpur, Taluka Rampur Bagehlan, District Satna
- ~ The area under reference is revenue land and the state Government of M.P. vide their letter no.- F3-13/2007/12/1 Bhopal Dated- 10.09.2007 granted mining lease to the applicant for 30 years period w.e.f. 26.09.2007 to 25.09.2037.

Project	Janardanpur limestone mine along with Crusher
Location	Janardanpur village, Tehsil Rampur Baghelan, District Satna, Madhya Pradesh State.
Total Area	25.256 ha
Type of Lease Area / Ownership	Revenue Land

Cost of the Project	4 Crore 10 lac
Mining Plan Approval	Letter No. 6 MP/Satna/Limestone/MPLN/G-06/ 2007-08 dated 18.07.2007.

### Accessibility Details

**Road:** The applied area is 30 kms from Satna via Chiboura turning. It is 18 kms from Satna towards Rewa up to chhiboura turning. From here the applied area is 12 kms. towards north via Mankahri and Sejahata. Chhiboura - Sejahata - Janardanpur - Chormari approach road is at a distance of about 100 m. towards east and south.

**Railway Station:** Satna (30 km) on Allahabad- Jabalpur BG section of WCR and Baghai at 8 Km in south.

**Nearest Town:** Satna 30 Km

**Dist. Headquarter :** Satna 30 km

**Elevation :** Highest Elevation: 300 m AMSL in North Lowest elevation: 295.50 m AMSL in South

**Ultimate depth of Mining :** 14 m deep from existing surface level

**Ground water table :** 25m bgl (No Ground Water Intersection)

**Latitude :** 24<sup>0</sup>36'24" to 24<sup>0</sup>36'47" N

**Longitude :** 81<sup>0</sup>05'30" to 81<sup>0</sup>05'49" E

### Environmental Sensitivity

<b>Dila Nalla</b>	-	2 Km South
<b>Nar Nadi</b>	-	5 Km West
<b>Tons River</b>		6 Km North West
<b>Simrawal Nadi</b>	-	7.50 km NW
<b>Kaniari Nadi</b>	-	7.50 Km East
<b>Sathari RF</b>	-	0.30 Km North, 3.50 Km WSW and 2.50 Km SE
<b>Open jungle</b>	-	4.0 Km SW

**Salient features of the Project:**

ORE TO BE MINED	LIMESTONE	
Mining Methodology	Opencast other than fully mechanized along with crusher	
Total Mineable Reserve	Limestone-6.0 million tones Reject Stone-2.0 million tone	
Total Waste Generation	4600 MT/month	
Max. Rate of Production	0.30 MTPA limestone & 0.10 MTPA reject stone	
Anticipated Life of Mine	20 years	
Water Requirement	50 m <sup>3</sup> /day	
Water requirement	Source - From sump, Ground water from dug wells / tube wells	
Dust suppression	45.0 m <sup>3</sup> /day	Total 50.0 m <sup>3</sup> /day
Green belt		
Domestic Drinking	5.0 m <sup>3</sup> /day	

- “ Opencast other than fully mechanized method, drilling and blasting may be carried out with 32mm dia holes up to 1.5m depth.
- “ The OB and ore will be excavated and loaded manually/ mechanically on dumpers.
- “ The height of the bench will be up to 6m. The width of the bench will vary from 6m to 10m
- “ Total waste generation during life of mine is about at the rate 4600MT/month
- “ The total waste generated is in the form of OB and Soil
- “ The OB/waste generated will be utilized for backfilling besides utilization for preparation of the protective bund on which plantation will be raised
- “ Composition of Mineral:      CaO : 35-46 %  
   MgO: 2-4 %

Silica: 4- 10%

**Proposed Plantation Scheme**

Year	Plantation during the year (No. of saplings)	Area covered during the year			Survival rate%	Species proposed
		BF Area Nos. Area (sqm)	Dump Nos. Area (sqm)	Green belt Nos. Area (sqm)		
Lease Period	16500	13000/65500	Nil	3500/17850	80	Neem, Gulmohar, Mango, Sagwan, Shisham, Kachnar, Gamhar, Jamun, Agaves, Babool, Sub-babool, Karanj and Amla etc. trees will be planted every year.

**Budgetary Provisions:**

**Capital Cost: Rs 4 Crore 10 Lac**

Sr. no.	Description	Cost in Rs.
1	Land cost expenditure	2,00,00,000.00
2	Cost of infrastructure, Equipment, vehicles, Manpower, machineries, etc.	1,00,000.00.00
3	Environmental protection (check dams etc)	5,00,000.00
4	Socio-economic development	5,00,000.00
5	Crusher	1,00,00,000.00
TOTAL		4,10,00,000.00

The Case for EIA was presented by the PP in 225<sup>th</sup> SEAC meeting dated 17/09/2015 and after deliberations PP was asked to submit response on following issues:-

1. Table given for compliance of TOR point no. 3 should be resubmitted wrt to five years plantation scheme.
2. Surface plan/ Development plan showing all the existing features such as crusher etc should be submitted.

3. Any change in natural drainage pattern due to this activity should be addressed and if there is any change, same should be presented on the map along with protection plan.
4. PP should submit a detailed map with photographs along with inventory of existing trees with their name and number in mining lease area & their management plan.
5. All the issues raised in public hearing (such as de-siltation of pond, maintenance of village road etc) should be addressed along with the budgetary provisions made for them.
6. Justification for the Production capacity leaving the statutory area under the high tension line.

The query responses were presented by the PP and their consultant. After deliberations, it was decided to carryout site visit to ascertain the applicability of the proposed EMP specifically with respect to management of existing trees at the site.

The site visit of above mine was carried out by a sub-committee and the report is as follows:-

### **BACKGROUND**

The Case for EIA was presented by the PP in 248<sup>th</sup> SEAC meeting dated 12/12/2015 wherein the query responses were presented by the PP and their consultant. After deliberations, it was decided to carryout site visit to ascertain the applicability of the proposed EMP specifically with respect to management of existing trees at the site.

Accordingly a two memberø sub committee comprising of Shri. Mohd. Kasam Khan and Dr. Mohd. Akram Khan visited the site on 13.03.2016 during which Dr. Abhaya K Saxena, Sr. Scientific Officer; (MPPCB) was also present. During site visit PP and their consultant were also present.

### **OBSERVATIONS OF THE SUB-COMMITTEE**

The ML area is apprx. 30 kms from Satna via Chiboura turning and from here area is 12 kms towards north via Mankahri and Sejahata. Chhiboura - Sejahata - Janardanpur - Chormari approach road is at a distance of about 100 m. towards east and south from the ML area.

The proposed method of mining is Opencast other than fully mechanized method drilling and blasting may be carried out with 32mm dia holes up to 1.5m depth. The OB and ore will be excavated and loaded manually/ mechanically on dumpers. Total waste generation during life of mine is about at the rate 4600MT/month in the form of OB and Soil. The OB/waste

generated is proposed to be utilized for backfilling besides utilization for preparation of the protective bund on which plantation will be raised. The ML area is approx. 500 meters away from a village Goraiya. A crusher is also proposed in the ML area.

During visit it was also observed that an electrical line is passing through the ML area for which PP informed that as per the prevailing norms statutory buffer zone will be left. It was also observed that there are two thick bunches of fully grown trees in the South and West direction of the ML area near 7.5 meter barrier zone. Committee suggest that these trees should be protected even if they are falling in the minable area and outside the 7.5 meter barrier zone and this area can be utilized for the other purpose of the mining operations such as shelter etc.

The committee recommends that the case can be considered for the grant of EC subject to following additional conditions:-

1. Trees located in 7.5 meter buffer zone and non-minable area should not be uprooted.
2. A total number of apprx. 16 trees are to be uprooted by the PP which are existing in the minable area for which prior necessary clearance from forest department be obtained.
3. PP has to ensure for 10 times compensatory plantation in addition to the plantation already proposed in 05 years plantation scheme in lieu of trees which are to be uprooted.
4. In South and West direction, there is a group of about 14-16 fully grown trees just adjacent to the mandatory buffer zone of 7.5 meters. These trees should not be uprooted in any case and this area can be utilized for the other purpose of mining.
5. No mining operations be carried out within the statutory safety zone for LT electrical line passing through the ML area up to its shifting (if proposed).
6. Garland drain and check-dams shall be constructed all around the dumps to prevent flow of surface runoff from the mining site.
7. Site is connected through a kachha road of approx. 500 meters to the village road. PP should make this road pucca.

The above report of the sub-committee was discussed in the meeting and after deliberations committee decided that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
5. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
6. Production shall be as per the approved mining plan with quantity not exceeding for Lime Stone 0.30 MTPA and Reject Stone 0.10 MTPA.
7. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
8. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. Trees located in 7.5 meter buffer zone and non-minable area should not be uprooted.
11. A total number of apprx. 16 trees are to be uprooted by the PP which are existing in the minable area for which prior necessary clearance from forest department be obtained.
12. PP has to ensure for 10 times compensatory plantation in addition to the plantation already proposed in 05 years plantation scheme in lieu of trees which are to be uprooted.
13. In South and West direction, there is a group of about 14-16 fully grown trees just adjacent to the mandatory buffer zone of 7.5 meters. These trees should not be uprooted in any case and this area can be utilized for the other purpose of mining.
14. No mining operations be carried out within the statutory safety zone for LT electrical line passing through the ML area up to its shifting (if proposed).
15. Garland drain and check-dams shall be constructed all around the dumps to prevent flow of surface runoff from the mining site.
16. Site is connected through a kachha road of approx. 500 meters to the village road. PP should make this road pucca.
17. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition

with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**24. Case No. 1409/13 M/S Lachchhilal & Sons, P.O.-Jaitwara, Distt. Satna (M.P.), PIN – 485221. Environmental Clearance for approval of 16.87 ha Sarima (Kothra- Kothar) Ochre & Laterite Mine In Vill.- Kothra-Kothar, Teh.- Semaria, District- Rewa (Madhya Pradesh).**

This is case of **Ochre & Laterite Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-121 P, In Vill.- Kothra-Kothar, Teh.- Semaria, District- Rewa (Madhya Pradesh) 16.87 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented for EIA by PP and their consultant during presentation; it was observed that in public hearing there were several objections taken by local public on environmental related issues. In view of Public Hearing objections, committee decided to carryout site inspection for further appraisal of the project.

## **INTRODUCTION**

This is a proposal for mining of mineral by open cast Other than fully mechanised method and producing **65,000 TPA** of Ochre & Laterite from Sarima (Kothra-Kothar) Ochre & Laterite mine. The ToR was presented before SEAC, Madhya Pradesh, and TOR was granted on dated **29-06-2013 (546/PS-MS/MPPCB/SEAC/TOR(130)/2013)**. This EIA has been prepared as per the Terms of Reference granted and the EIA Notification.

## **PROJECT DESCRIPTION**

**Location:** The mining lease area is located in village Kothra-Kothar, Tehsil Semaria District Rewa, M.P.

### **Toposheet Details**

Latitude : 24°46'43.5" to 24°47'05.0" N

Longitude : 81°07'30.9" to 81°07'49.8" E

The total Mining Lease area is 16.187 ha.



This is a case of mining lease renewal with proposed production of 65,000 TPA. Estimated cost of the project is Rs. 1.5 Crore.

**Connectivity:**

The lease area is about 32 kms from District Rewa in SE. It can be approached from Rewa via Semaria. The nearest railway station is Jaitwara (WCR) at 27 kms.

**Salient Features of Project**

Name of the applicant	<b>M/S Lachchhilal &amp; Sons</b>
Name of Mine	Sarima (Kothra- Kothar) Ochre & Laterite Mine
Village	Kothra-Kothar
District & State	Rewa, M.P
Latitude	24°46'43.5" to 24°47'05.0" N
Longitude	81°07'30.9" to 81°07'49.8"E
Toposheet Number	63H/1
Number of Leases held by the lessee	one
Mineral	Ochre & Laterite
Area (ha)	16.187
Postal Address	M/S Lachchhilal & Sons P.O. - Jaitwara District - Satna (M.P.) Pin code ó 485221 Phone No.- 09424318238

**DETAILS OF ENVIRONMENTAL SETTING**

Sr. No.	Particulars	Details
1	Elevation	Highest Elevation ó 400m AMSL in west Lowest Elevation -315m AMSL in south
2	Climatic Conditions at IMD Rewa	

Sr. No.	Particulars	Details
a	Temperature	Max :33°C, Min :8°C
b	Avg. Wind Speed	2.59kmph
c	Predominant Wind Direction	NE
3	Nearest National/ state Highway	SH-9 (13 km in SE)
4	Nearest Railway station	Jaitwara (WCR) at 27kms in SW
5	Nearest Airport	Khajuraho, 122kmin W
6	Nearest Tourist Place	
7	Archaeological important places	Nil within 10-km radius
8	Ecological Sensitive Areas (Wildlife Sanctuaries)	Nil within 10-km radius
9	Reserved/Protected Forests	Benda RF ó 0.60 Km NW Giryan RF ó 6 Km NE
10	Open mixed jungle	About 9 km in NWdirection
11	Nearest Town/ City	Semaria About 2.0 km SSE
12	Nearest River	Jokaha Nalla ó 9 Km west Tons Barrage ó 8.5 Km south Khurwa Nala - 4 Km NE Jhala Nala - 2 Km NE Asrawal Nala ó 3.5 Km SSW
13	Nearest Lake/Ponds	Nil
14	Major Irrigation Facilities	Nil in 10-km radius
15	Seismic Zone	Zone-III as per IS-1893 (Part-1)-2002

### Basic Requirements for the Project

Sl. No.	Requirements	Quantity	Source
1	Land	16.187 ha	It is an Existing mine in Govt Revenue land
2	Water	15 KLD	Old bore well, hand pump and mine sump
3	Manpower	55	Majority from nearby villages

### Details of Mining

Method of mining	Opencast other than fully mechanized
Bench Height and Width	Height: 6m Width: 6m to 10m
Ultimate pit Depth	5 m bgl (310m RL)
Mineable Reserve	1882191 tonnes
Life of the Mine	30 years
Ground water depth	30-35 m bgl

### Drilling and Blasting

No drilling and blasting will be done.

### Use of Mineral

The Laterite is of cement grade which is used in the cement plants while ochre is of moderate grade. It will be used in paint & rubber industry as well as for color washing.

### Land Use Pattern

S.No	LAND USE	Present land use (ha)	5 <sup>th</sup> year End (ha)	Mine Life End (ha)
1	Total area excavated (broken)	3.20	6.65	14.567
2	Area fully mined out (out of 1)	0.50	2.0	14.567

3	Area fully reclaimed (Backfilled out of 2)	0.30	1.60	14.567
4	Excavated Area afforested out of 3	Nil	1.10	14.567
5	Area rehabilitated by water harvesting	Nil	Nil	Nil
6	Total area under dumps	0.10	Nil	Nil
7	Area under active dumps	Nil	Nil	Nil
8	Area under mineral stack	Nil	Nil	Nil
9	Area under Road	0.40	0.10	Nil
10	Area under Green belt	0.25	1.0	1.62
11	Area under infrastructure	Nil	0.01	Nil
12	Garland Drain & bund	Nil	1.0	Nil
	<b>Total</b>	<b>16.187</b>	<b>16.187</b>	<b>16.187</b>
	<b>TOTAL</b>			

The case was presented by the PP and their consultant in the 232<sup>nd</sup> SEAC meeting dated 28/10/2015. During presentation, it was observed that there are several objections raised by the public in public hearing. Thus after deliberations, it was decided to carry out the site visit for further appraisal of the project.

The site visit of above mine was carried out by a sub-committee and the report is as follows:-

### **BACKGROUND**

The case was presented for EIA by PP and their consultant in the 232<sup>nd</sup> SEAC meeting dated 28/10/2015 wherein during presentation; it was observed that in public hearing there were several objections taken by local public on environmental related issues. In view of Public Hearing objections, committee decided to carryout site inspection for further appraisal of the project.

Accordingly a two memberø sub committee comprising of Shri. Mohd. Kasam Khan and Dr. Mohd. Akram Khan visited the site on 13.03.2016 during which Dr. Abhaya K Saxena,

Sr. Scientific Officer, (MPPCB) was also present. During site visit PP and their consultant were also present.

The major issues related to environmental concerns discussed during hearing are:

1. Afforestation
2. Soil pollution due to mine discharge and destruction of crop due to surface run off.

### **OBSERVATIONS OF THE SUB-COMMITTEE**

Sarima Ochre and Laterite mine of M/s Lachhilal & Sons is a mine of lease area 16.87 ha of Ochre and Laterite located at village Kothara Kothar on Satna Semaria road. The mine is a part of a small hillock and located about 500 m from Satna- Semaria Tar Road. The lease area is hillock having gentle slope towards SE. The method of mining is opencast other than fully mechanized method of mining without drilling & blasting. The proposed production is 65,000 TPA of Laterite & Ocher from this mine. (50,000 TPA of Laterite & 15,000 TPA of Ocher). The mine is connected by a kachha road with the main road. A part of the lease area drains towards the road. On the foot hills of the hillock in between the lease area and road some agriculture fields are located on one side of the road and on the other side of the road forest plantation area exists. At present, no agricultural crops were noticed in the nearby fields. However, near the foot hill of this mining lease area, some old excavated pits (outside the lease area of this mine) were also observed. It appears that no substantial plantation was done by the PP along the periphery and in the mined out area in the past and also for management of surface runoff. Some loose waste rock (lateritic) was also noticed to be left here and there.

Recently, PP has taken initiative for development of a green belt. A good number of saplings have been planted along the front boundary (main road side) of the mine in the 7.5 meter barrier zone. Similarly, Garland drains with 03 settling tanks are also provided to arrest the surface run off in the lease area where mining operations were carried out.

The committee recommends that the case can be considered for the grant of EC subject to following additional conditions:-

1. Possibility should be explored for supplementary plantations along the periphery and in the mined out area of big saplings.

2. The existing plantation should be fenced properly.
3. The existing settling tanks needs to be strengthened by bolder pitching to avoid any leakage/seepage due to hydraulic load.
4. Loose waste rock should not be left here and there and should be stacked in a planned scientific manner at designated place to avoid fugitive emissions in the lease area.

The above report of the sub-committee was discussed in the meeting and after deliberations committee decided that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
5. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
6. Production shall be as per the approved mining plan with quantity not exceeding for Laterite 50,000 TPA and Ocher 15,000 TPA.
7. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
8. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. Possibility should be explored for supplementary plantations along the periphery and in the mined out area of big saplings.
11. The existing plantation should be fenced properly.
12. The existing settling tanks needs to be strengthened by bolder pitching to avoid any leakage/seepage due to hydraulic load.
13. Loose waste rock should not be left here and there and should be stacked in a planned scientific manner at designated place to avoid fugitive emissions in the lease area.

14. Garland drain and check-dams shall be constructed all around the dumps to prevent flow of surface runoff from the mining site.
15. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**(Dr. Sonal Mehta, Member)**

**(Dr. Navin Chandra, Chairman)**

**(Prashant Shrivastava, Member)**

**(Mohd. Kasam Khan, Member)**

**(Shri Anil Sharma, Member)**

**(Dr. Mohd. Akram Khan, Member)**

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murrum and Soil quarries:**

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
3. Transportation of material shall be done in covered vehicles.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done using appropriate media.
6. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded and in extreme summer season hourly road wetting be done.
11. PP should also maintain a log book containing annual details of tree plantation and casualty replacement.
12. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**Annexure- 'B'**

**Standard conditions applicable for the sand Mine Quarries\***

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. Plantation shall be carried out on the banks for stabilization of the banks above high flood level and a log book be maintained.
4. The mining activity shall be done manually.
5. Heavy vehicles shall not be allowed on the banks for loading of sand. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded and in extreme summer season hourly road wetting be done.
6. The sand shall be transported by small trolleys up to the main transport vehicle.
7. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
8. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less.
11. No in-stream mining shall be allowed.
12. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. Established water conveyance channels should not be relocated, straightened, or modified.
14. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
15. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
16. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. EC will be valid for mine lease period subject to a ceiling of 5 years.