

The 69th meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 7th March, 2017 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. Dr. Mohd. Akram khan, Member.
2. Shri. Mohd. Kasam khan, Member.
3. Shri Anil Kumar Sharma, Member.
4. Shri Rajendra Kumar Sharma, Member.
5. Dr. Sonal Mehta, Member.

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

1. **Case No. - 2466/2015 M/s S.N.S. (Minerals) Ltd., N.H.-7, Rewa Road, P.O. Maihar, Dist-Satna (M.P.) -485771. Jmuani Khurd Limestone & Dolomite Mine Lease Area- 4.420 ha., at Khasra No.- 54, 55, 56, 60, 61, Vill.-Jamuani Khurd, Th.-Vijayraghgarh, Dist-Katni (M.P.) Capacity- 1,00,000 TPA. (EIA Consultant: M/s Greencindia Consulting Pvt. Ltd., NCR, Ghaziabad)**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra No. - 54, 55, 56, 60, 61 Vill.-Jamuani Khurd, Th.-Vijayraghgarh, Dist-Katni (M.P.) 4.420. The project requires prior EC before commencement of any activity at site. The application for EC was forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Salient Features of the Project and Project Location

Project Site	Village: Jamuani Khurd, Tehsil: Vijayraghgarh, District: Katni, State: Madhya Pradesh		
Site Coordinate	Point	Latitude	Longitude
	A	24 ⁰ 06'33.7" N	80 ⁰ 42'33.0"
	B	24 ⁰ 06'34.0" N	80 ⁰ 42'34.1"
	C	24 ⁰ 06'30.9" N	80 ⁰ 42'38.2"
	D	24 ⁰ 06'26.5" N	80 ⁰ 42'40.2"
	E	24 ⁰ 06'25.0" N	80 ⁰ 42'34.7"

	F	24 ⁰ 06'25.6" N	80 ⁰ 42'30.1"
	G	24 ⁰ 06'29.5" N	80 ⁰ 42'29.9"
Toposheet No.	64 D/12		
Mining Lease Area & Type of land	4.42 Ha private land.		
Name of Rivers/ Nallahs/ Tanks/ Spring/ Lakes etc within the Study Area (nearest point)	Tamas Nadi Guraro Nalla Ghusaro Nala Kalendry Domna Nalla Jarjarar Nalla Jhaphawan Nalla Mahanadi Chakdahi Nalla	4.7 km in NNW 13.4 km in WNW 9.6 km in N 8.5 km E 10 km in ESE 1.3 km in E 7.5 km in SW 13 km in SSW. 5.2 km in ENE	
Name of Reserve Forests, Wildlife Sanctuary/ National Parks etc. (nearest point)	Banjari RF Hardu RF Kymore Hill range PF near Gorya	13.4 km in SW 8 km in SSE 400m in N 9 km in NW	
Topography of ML area	The lease area is almost plain having gentle slope towards south-west. Highest Elevation: 469 m A.M.S.L. towards North. Lowest Elevation: 467 m A.M.S.L towards South		
Name of Mineral mined	Limestone and Dolomite.		
Rate of Production (Peak)	1,00,000 TPA		
Life of mine	12 Years (at present level of production)		
Mineral Reserve in Tonnes	Pre-Feasibility Mineral Resource: 10,39,225 tonnes		
	Probable Mineral Reserve: 9,85,135 ton		
Drilling/ Blasting	Opencast other than fully mechanized method of mining with drilling and blasting will be adopted in this mine.		
Ultimate depth of Mining	29 m bgl		
Ground water level	35-40 m bgl		
Ground water table intersection	Mining will be done above the ground water table. Hence ground water table will not be affected.		
Drainage pattern/ water courses	There is no perennial surface water body within the proposed mine lease area. The main drainage of the area is through seasonal nalla course situated in the south side of the applied area which discharges in to Mahanadi River situated South East of the ML area.		
Water Requirement and Source	Total water requirement for dust suppression, plantation and drinking is 15 KLD. Water will be sourced from dug wells/ bore wells in nearby villages.		

Mining lease over an area of 4.42 ha was sanctioned to Shri Madanlal Grover for 10 years period w.e.f. 07.04.1983 to 06.04.1993 and then 1st renewal was granted for 10 years period w.e.f. 07.04.1993 to 06.04.2003. The 2nd renewal was granted for further 20 years period up to 06.04.2023.

The State Government ordered for transfer of mining lease to M/s. S.N.S.(M) Limited vide order No.- F3/17/08/12/2 dated 23.02.2012. The transfer deed in Form "O" was executed on 23.04.2012 and registered on 04.05.2012 in favour of the present lessee M/s. S.N.S.(M) Limited for balance period of ML upto 06.04.2023.

As per MM (D&R) Amendment act 2015, the lease period extended to 50 years from the 1st lease allotted date, so the current lease period is 06.04.2033.

Mining plan for the project has been approved by Indian Bureau of Mines, Jabalpur Regional Office vide letter no- MP/Katni/Limestone/MPLN/R-9/08-09 dated 11.11.2008 and Scheme of Mining vide letter no- MP/Katni/Limestone/M.Sch - 31/13-14 dated 23.09.2014.

Land use Pattern of the Mine Lease Area

Sl. No.	Item	Type of Land (In Ha)					Total
		Forest Land	Agriculture Land	Grazing Land	Barren Land	Any Other Type	
1.	Lease Area	-	2.92	-	1.50	-	4.420
2.	Mining & allied activities						
	Pits	-	-	-	0.10	-	0.10
	Dumps	-	-	-	0.07	-	0.07
	Roads	-	-	-	-	-	-
	Site Services	-	-	-	-	-	-
	Plantation	-	-	-	0.05	-	0.05
	Water body	-					
3.	Hutments/Infrastructure Undisturbed area	-	2.92	-	1.33	-	4.25

PP and his consultant presented the salient features, PFR and proposed TOR before the committee in 192nd SEAC meeting dated 08/05/2015. The project is located at Khasra No.- 54, 55, 56, 60, 61 Vill.-Jamuni Khurd, Th.-Vijayraghgarh, Dist-Katni (M.P.). It was reported that the project is not attracted by the General Conditions. PP submitted that the baseline environmental data has already been collected and requested the committee to allow him to use

the same in EIA / EMP report. Based on the submissions made by the PP and the presentation the Committee recommended for inclusion of following points to be addressed in the EIA / EMP in addition to standard TOR:

1. Baseline environment monitoring data already collected may be used in the EIA / EMP report however it may be note that the data should not be older than 02 years. All data used in the report should be re-validated before use.
2. As the mine is old, existing status of the mining lease area w.r.t. (a) Number of pits opened, their depths & other dimensions, (b) Excavations done so far (quantum of mineral excavated) (c) Locations, size and stabilization of Over Burdens.
3. Inventory of operating / proposed mines within 2 Km around the said mine.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Evacuation Plan to be provided with transport route, required infrastructure and man-power.

PP has submitted the EIA report vide letter dated 13/02/2017 which was forwarded by the SEIAA vide letter no. 5339/SEIAA/17 dated 25/02/2017.

The case was presented by the PP and their consultant wherein PP submitted that open cast other than fully mechanized method of mining will be adopted. The development in overburden (OB), inter bedded shale and clay pockets besides removal of mine debris will be carried out by deployment of excavator, loading of OB will be done by loaders and transport will be done by HEMM. Drilling and blasting will be carried out of 80 mm dia hole and depth upto 2.9m in mineral. The development benches in mineral will be developed of uniform 6m height. However sub benching will be done to facilitate Jack Hammer drilling and blasting. The recovery is envisaged as 90%. Winning of mineral and loading will be done by mechanical means. Various mining activities such as drilling, blasting, loading and transportation will be so conducted as to ensure maximum mineral conservation and minimum environmental degradation. Blasting will be carried out for heaving effect and fragmentation to the deposit. Blasted Ore will be loaded in to the dumpers by loaders/manual means and will be transported to the destination cement plants and railway siding. Secondary blasting will not be required.

The over burden will be loaded by loaders and transported to the backfilling site by dumpers. Winning of ore and handling of waste rock will be done by excavators of 0.9 to 1.2 cum. capacity and dumpers of 10T to 22 T capacities. The backfilling of the OB will be done from the 5th year onwards. The proposed life of mine is 12 years. Ground water intersection is not proposed on this lease as the ground water level is 35 to 40 meter bgl and proposed ultimate pit depth is 29 meter. However, committee instructed PP that in case the ground water table is breached, detailed hydro Geological study should be undertaken and necessary permission from competent authority should be obtained.

During presentation it was observed by the committee that there is an existing pit having water as per the Google image is within the lease area and thus lease boundary could not be determines. PP submitted that this is an old pit which will be leveled by OB and mandatory buffer zone will be created through plantation. The garland drains and settling tanks are proposed for management of surface runoff. It was suggested by the committee during presentation that the design of settling tanks should be as per the standard norms to allow maximum settling. During discussion it was also suggested by the committee that fixed types of sprinklers should be provided within the mining lease area however tankers should be deployed on transportation route outside of the lease area for water sprinklers. The EIA/EMP and other submissions made by the PP 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. Transportation of minerals shall not be carried out through forest area.
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. 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.
6. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
7. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.

8. Garland drains (1085m x 2m x 1.5m) and settling pits should be provided to avoid silt discharge. As proposed, 04 settling pits (20-25m x 6m x 3m) connected with garland drains shall be provided for proper sedimentation.
9. Fixed types of water sprinklers should be provided on 300 meter long and 05 meter wide haul road. However, regular water spraying should be practiced on 700 meters long and 06 meters wide transport road for dust suppression.
10. Production of Limestone and Dolomite Ore shall be as per the mining plan with quantity not exceeding 1,00,000 TPA.
11. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
12. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
13. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. The commitments made in the public hearing are to be fulfilled by the PP.
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.
16. PP will comply with all the commitments made in by the letter dated 07/03/2017.

2. Case NO. 5510/2017 Shri Anil Nagrath, Owner, Civil Line, Dist. Katni, MP (SIA/MP/MIN/18011/2016).Prior Environment Clearance for Limestone Mine in an area of 1.821 ha. (30,010 cum per annum) (Khasra no. 322) at Village- Kachhagawan , Tehsil - Katni, Dist. Katni (MP).

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, (Khasra no. 322) at Village- Kachhagawan, Tehsil - Katni, Dist. Katni (MP) 1.821ha. The project requires prior EC before commencement of any activity at site.

Salient Feature of the Project

Sl. No.	Parameters	Description
1	Mining Lease Area & Type of land	Mine Lease area is 1.821 Hec , The land use is waste land.

2	Geographical co-ordinates	Latitude: 23°59'01.9" to 23°59'07.8" N Longitude:80°28'29.5" to 80°28'34.9" E
3	Name of Rivers/ Nallahs/ Tanks/ Spring/ Lakes etc	Kevlari Nala : 4.43 Km South Tamsa River: 4.5 Km North
4	Name of Reserve Forest(s), Wild life Sanctuary/ National parks etc.	No Reserve Forest(s), Wild life Sanctuary/ National parks etc. is present within the Study area.
5	Topography of ML area	The lease area is almost plain having general slope towards South. The highest elevation of the lease area is 386 m AMSL. towards north East direction and the lowest elevation is 385 m A.M.S.L .in North West direction.
6	Name of Mineral mined	Limestone
7	Rate of Production (TPA)	30,010 Cum per Annum
8	Life of mine	21 Years at present level of exploration
9	Mineral Reserve in Tonnes	Mineral Reserve Mineable reserve of Limestone =3,57,815 Tonnes
11	Mining Method	Manual method of mining will be adopted in the lease area
12	Drilling/ Blasting	Drilling and blasting has been proposed with 32 mm dia holes up to a depth of 1.5m. No deep hole drilling and blasting of large dia will be carried out.
13	Ultimate Pit Slope	45°
14	Ultimate depth of Mining	371 m AMSL
15	Ground water level	345 m AMSL – 340 m AMSL
16	GWT intersection	No intersection of GWT, as the mining operations are carried out 25 m above the GWT.
17	Drainage pattern/ water courses	There is no stream crossing in the mine lease area. However the lease area main drainage is through seasonal water courses situated in Southerly side originating from the foot of Kymore range confluenceing in Mahanadi river.
18	Water requirement & source	Total water requirement for dust suppression, plantation and drinking is 13 KLD. Water will be sourced from bore well from outside of the ML area as well as mine sump.
19	Employment Potential	19 people will get direct and 25 people will get indirect employment.
20	Working of the Days	300
21	Cost of project	60 Lakhs

The case was presented by the PP and their consultant. Being it's a case of major mineral, it was decided to consider this case as B-1 and committee recommended issuing standard TOR prescribed by the MoEF&CC for conducting the EIA with following additional TOR's:

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Any alternate route avoiding the nearby habitations.
5. Environmental Policy duly approved by the authority should be attached with the EIA report.
6. Monitoring on atleast 08 Stations should be carried out for Ambient Air, Surface Water, Ground Water, Noise and Soil by selecting suitable locations in core zone and buffer zone. During monitoring, if any sensitivity is observed by the monitoring agency, additional monitoring stations should be added and same should be inferred in the EIA report.
7. Land use plan should be plotted on the map.
8. Mine lease extension letter.
9. Compliance of consent condition from the concerned Regional Officer, MP Pollution Control Board should be submitted along with the EIA report.
10. After developing three benches of 03 meters (as proposed in the mining plan) how much working space will be available at the bottom of the pit should clearly addressed in the final EIA report.
11. Since PP has already reached 39 m. depth in existing pit thus permission of the DGMS should be submitted with the EIA report.

3. Case No. –1983/2014 Shri Pradeep Mittal, Director, M/s Balaji Marble and Tiles Pvt. Ltd., 11-12 Dunne Market, Jabalpur Road, Bargawan, Katni (MP).Prior Environment Clearance for approval of proposed Katouli River Sand Quarry in an area of 7.00 ha. at Village-Katouli, Tehsil-Singrauli, District- Singrauli (MP) A-58, 61, & 67 last chance

This is case of Katouli River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra no.-2502 Village-Katouli, Tehsil-Singrauli, District- Singrauli (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.1661, dated: 11/11/14, has reported that there are no more mines operating or proposed within 1000 meters around the said mine.

Earlier this case was discussed in 66th SEAC-II meeting dated-06/02/2017, 61st SEAC-II meeting dated-25/11/2016 and 58th SEAC-II meeting dated-10/11/2016.

Today, this case was scheduled again for presentation wherein it is recorded that 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.

Mr. Rohit Gautam, OIC, MPSMC vide letter dated-07/03/2017 has informed that office of Collector Singrauli vide letter no.- 1652/खनिज / नीलाम / 2016, सिंगरौली, दिनांक 06 / 07 / 2016 has terminated this case and attached the copy of above letter.

Committee observed that PP was also absent in the 58th SEAC-II meeting dated-10/11/16 & 66th SEAC-II meeting dated-06/02/2017. Thus Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

4. Case No. 5501/15 M/s Maa Vaishnavi Hardware, Shri Vikrant Singh, P. Pawar Brahman Sabha Colony, Tehsil - Paratwada, Dist. Amrawati, Maharashtra – 444805 (SIA/MP/MIN/61043/2016). Prior Environment Clearance for Sand Auction Quarry in an area of 5.59 ha. (44,000 cum per annum) (Khasra no. 1, 9) at Village- Harnya, Tehsil - Chicholi, Dist. Betul (MP).

This is case of Sand Auction Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no. 1, 9 Village- Harnya, Tehsil - Chicholi, Dist. Betul (MP) 5.59 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. Concerned Mining Officer through Ekal Praman-patr vide letter no. 1264 dated: 19/08/2016 has reported that there are no more mines operating or proposed within 500 meters.

Earlier this case was discussed in 66th SEAC-II meeting dated-06/02/2017 wherein it was observed that: *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 and even it the PP remains absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.*

Today, this case was scheduled again for presentation wherein 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. PP was also absent in the 66th SEAC-II meeting dated-06/02/2017. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

5. **Case No.-5314/2016 Shri Narayan Singh Sondhya, Salariyakheda, Teh. Biora, Dist. Rajgarh. (SIA/MP/MIN/56728/2016).Prior Environment Clearance for Sand deposit in an area of 10.0 ha. (15,000 cubic meter per year) at Khasra no.-76, Village-Ragunathpura, Tehsil - Makhsudangargh, Dist. Guna (MP)**

This is case of Sand deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-76, Village-Ragunathpura, Tehsil - Makhsudangargh, Dist. Guna (MP) 10.0 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. 870 dated: 09/03/16 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Earlier this case was discussed in 67th SEAC-II meeting dated-07/02/2017 wherein it was observed that: *Today, this case was again placed in agenda as SEIAA has been forwarded this case to SEAC vide letter no.-5084 dated-24/01/2017 stating that the “PP has reasons for non presentation of their case in SEAC and requested for relisting as now they are ready with the presentation. Therefore it has been decided to relist the case and revert the case to SEAC for appraisal.*

Based on the above, the case was scheduled for presentation but 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 give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented today by the PP and their consultant wherein during presentation it was observed that as per the Google image of March, 2017 based on the co-ordinate submitted by the PP, more than 90% of the lease area is submerged in water. PP during presentation submitted that sand is available on site and since the quantity is only 15,000 cubic meter same can be evacuated from the site. Committee after discussion decided that PP should submit the recent photographs of the lease area countersigned by the concerned mining officer with a report of mining officer that 15,000 cubic meter of sand is available on this lease for evacuation for further consideration of this case.

6. Case No. 4094/15 Shri Som Prakash, Director, M/s Som Projects Pvt. Ltd., D-09, HIG Colony, Indore (MP)-452008. Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (Stone-66,229 & Murrum-14,677 cum/year) at Khasra no.-131/1/1/2, Village-Rangwasa, Tehsil-Depalpur, District-Indore (MP)

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 131/1/1/2 at Village-Rangwasa, Tehsil-Depalpur, District-Indore (MP) 4.00 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 500 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. 1601 dated: 16/12/2016 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.926 ha including this mine.

Earlier this case was discussed in 67th SEAC-II meeting dated-07/02/2017 wherein it was observed that: *Today, this case was again placed in agenda as SEIAA has been forwarded this case to SEAC vide letter no.-5133 dated-30/01/2017 stating that the "PP has submitted the information regarding number of mines within 500 m. radius and therefore the case is hereby relisted for appraisal. In the information submitted, Collector, Indore has now reported 5 mines (mining area 14.926 ha) within 500 m. radius, whereas in the recommendation of 267th SEAC meeting earlier the number of mines was reported to be nil. Therefore it has been decided to revert the case to SEAC for reappraisal in view of the modified information submitted by Collector, Indore.*

Based on the above, the case was scheduled for presentation but 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 and even if the PP

remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled again for presentation wherein it is recorded that 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. PP was also absent in the 67th SEAC-II meeting dated-07/02/2017. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

7. Case No.-5464/2016 Shri Prabhakar Mishra, 336/14, Civil Line Road, Dist. Tikamgarh, MP (SIA/MP/MIN/17501/2016).Prior Environment Clearance for Pyrophyllite and Diaspore mine in an area of 8.640 ha. (7000 TPA) (Khasra no. 1, 3, 10) at Village- Nandanwara, Tehsil - Mohangarh, Dist. Tikamgarh (MP)

This is case of Pyrophyllite and Diaspore mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1, 3, 10) at Village-Nandanwara, Tehsil - Mohangarh, Dist. Tikamgarh (MP) 8.640 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. Concerned Mining Officer vides letter no.855, dated: 29/08/2016, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of -18.312 ha including this Mine.

Earlier this case was discussed in 64th SEAC-II meeting dated-16/01/2017 wherein it was observed that: *Today, the case was earlier scheduled for presentation wherein 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. Earlier PP was also absent in the 63rd SEAC-II meeting dated-24/12/2016. Committee decided to call the PP in subsequent meetings giving him last chance to present his case and if the PP remains absent even then, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project”.*

The case was presented today by the PP and their consultant wherein during presentation it was observed that as per the Google image a road is crossing the lease area thus 50 mts should be left from the both side of the road. Additionally a canal is seems to be crossing the

lease towards North –West side thus 100 mts area to be left from the canal as non-mining area. During presentation it was observed by the committee that a natural water body is in existence on the eastern side of the lease for which it was submitted by PP that the lease area is divided in three part namely block A, Block B and Block C. Block A which is in north east direction and close to water body as well as major part of canal is passing from the same block is non mineralized area and no mining will be carried out in block A. Whereas in block B, certain part of canal is passing and therefore PP was asked to execute mining leaving 100 meters distances from both sides. Hence committee after discussion asked to PP to submit revised Surface map of the lease area considering above restrictions.

After presentation, the EMP and other submissions made by the PP were found to be satisfactory and acceptable but case could not be recommended for EC in the absence of approved scheme of mining from the competent authority as submitted plan is expired in December, 2014. Thus committee after deliberation decided that PP should submit approved scheme of mining for the competent authority, valid lease document and revised Surface map as stated above for further consideration of the project.

8. Case No.-5500/2017 Shri Krishnakant Yadav S/o Shri Gulab Singh Yadav, R/o Village Madi Bujurg, Post Bilakhedi, Tehsil - Mungaoli, Dist. Ashoknagar (SIA/MP/MIN/61913/2017). Prior Environment Clearance for Sand Auction Quarry in an area of 5.50 ha. (2800 cum per annum) (Khasra no. 143) at Village- Sumer, Tehsil - Mungaoli, Dist. Ashoknagar (MP)

This is case of Sand Auction Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 143) at Village- Sumer, Tehsil - Mungaoli, Dist. Ashoknagar (MP) 5.50 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. Concerned Mining Officer through Ekal Praman-patr vide letter no. 650 dated: 24/09/2016 has reported that there are no more mines operating or proposed within 500 meters.

PP vide letter dated-07-03-2017 has requested to schedule this case in upcoming meeting of SEAC-II as due to some genuine reasons he can't present it today. Committee after considering the PP's request decided to call the PP in subsequent meetings and even it the

PP remains absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

9. **Case No.5202/15 Shri Rohit Kumar Pateriya, M/s Hemant Construction and Suppliers, Lessee, Indraprastha Garden District. Chhatarpur (M.P.) – 471001.Prior Environment Clearance for Stone & Murram Quarry in an area of 7.00 ha. (31,636 cum/year) (stone – 28,928 cum/year, Murram – 2708 cum/year) at Khasra no.-1285, Village-Mamaun, Tehsil-Bijawar, District-Chhatarpur (MP).**

This is a case of mining of Stone & Murram Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra at Khasra no.-1285, Village-Mamaun, Tehsil-Bijawar, District-Chhatarpur (MP) 7.00. 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. Concerned Mining Officer vide letter no. 341 dated: 09/3/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine and Total Area 11.00 ha including this mine.

SEIAA vide letter no.-5335 dated: 25-02-2017 forwarded this case file to SEAC stating that *the case was discussed in 407th SEIAA meeting dtd 08.02.2016 and it was recorded that.....“this case was discussed in 56th SEAC-II meeting dated 08-11-16 and it was recorded that:-Today, 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. Earlier PP was also absent in the 33rd SEAC meeting and 38th SEAC II meeting dated 13/07/2016. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.*

PP has submitted a letter dated 23.01.2017 showing his interest in presentation of his case before SEAC-II. Therefore it has been decided to relist the case and send the file to SEAC-II for appraisal.

Based on the above, the case was scheduled for presentation but 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 give last chance to PP for making presentation in the subsequent meetings of SEAC (as this case was earlier delisted due to PP's absence and PP

on request has got the case relisted through SEIAA) after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

10. Case No.-5508/2017 M/s Digiana Industries Pvt Ltd, G-1, Sapna Chambers, 12/1, South Tukoganj, Indore, MP – 460001 (SIA/MP/MIN/62148/2017). Prior Environment Clearance for Sand Deposit Quarry in an area of 8.0 ha. (75,000 cum per annum) (Khasra no. 01) at Village- Pratapur, Tehsil - Sounsar, Dist. Chhindwara (MP)

This is case of Sand Auction Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 01) at Village- Pratapur, Tehsil - Sounsar, Dist. Chhindwara (MP) 8.00 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 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-patr vide letter no. 316 dated: 27/02/2016 has reported that there are no more mines operating or proposed within 500 meters.

The case was presented today by the PP and their consultant wherein during presentation it was observed that as per the Google image of January, 2017 a road bridge is in existence in the middle of the lease and thus 250 mts area is to be left from the both side of the bridge and approx. 50 % lease area will become non minable. Hence committee after discussion asked PP to submit revised Operational Production Plan of the lease leaving 250 meter area from the both side of the road bridge as non mining zone for further consideration of this project.

11. Case No.-5509/2017 Shri Dilip, Village Panchouli, Post. Peerjhalar, Dist. Ujjain, MP – 456010. Prior Environment Clearance for River Sand Deposit Quarry in an area of 8.080 ha. (30,000 cum per annum) (Khasra no. 145) at Village- Maswadiya Khalsa, Tehsil - Badhnagar, Dist. Ujjain (MP)

This is case of Sand deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 145) at Village- Maswadiya Khalsa, Tehsil - Badhnagar, Dist. Ujjain (MP) 8.080 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. Concerned Mining Officer vide letter no.

1648 dated: 08/08/16 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented today by the PP and their consultant wherein during presentation it was observed that as per the Google image of April, 2016 based on the co-ordinates provided by the PP that very scanty volume of sand is observed. Since the sanctioned volume of sand is 30,000 cubic meter/year, committee after deliberations decided to carry-out site visit for verifying the availability of sand in this area for further consideration of this project.

12. Case No.-5513/2017 Shri Arif Ahmad R/o Mission Chowk, Katni, MP – 4835-01. Prior Environment Clearance for Expansion of Limestone Mining Project in an area of 9.35 ha. (from 25000 TPA to 128655 TPA) (Khasra no. 204, 204/1, 204/2, 205, 209, 210, 317) at Village- Bhatgawan Sunehra, Tehsil - Murwara, Dist. Katni, (MP)

This is case of Limestone Mining Project. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 204, 204/1, 204/2, 205, 209, 210, 317) at Village- Bhatgawan Sunehra, Tehsil - Murwara, Dist. Katni, (MP) 9.35 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant. Being it's a case of major mineral, it was decided to consider this case as B-1 and committee recommended issuing standard TOR prescribed by the MoEF&CC for conducting the EIA with following additional TOR's:

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Any alternate route avoiding the nearby habitations.
5. Environmental Policy duly approved by the authority should be attached with the EIA report.
6. Monitoring on atleast 08 Stations should be carried out for Ambient Air, Surface Water, Ground Water, Noise and Soil by selecting suitable locations in core zone and buffer zone. During monitoring, if any sensitivity is observed by the monitoring agency, additional monitoring stations should be added and same should be inferred in the EIA report.

7. All the surface water to be monitored which comes in 10 k.m. radius of ML area and results should be incorporated in final EIA report.
8. Land use plan should be plotted on the map.
9. Mine lease extension letter.
10. Compliance of earlier EC conditions from the MoEF&CC should be submitted with the EIA report.
11. Compliance of consent condition from the concerned Regional Officer, MP Pollution Control Board should be submitted along with the EIA report.
12. Production figure from 2002 to be submitted in the final EIA report.
13. Input to the model with all the back-up calculations should bring additionally with final EIA report.
14. Photographs of the mine site taken during monitoring with time and date should attach in the final EIA report.

13. Case No.-5514/2017 Shri Amit Khampariya, Sub Lessee, M.P.State Mining Corporation Ltd, 3162, Ganga Nagar, Jabalpur, MP – 482001. Prior Environment Clearance for Sand Deposit Quarry in an area of 20.0 ha. (1,60,000 cum per annum) (Khasra no. 1144) at Village- Basadi , Tehsil - Badwada, Dist. Katni (MP)

This is case of Sand deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1144) at Village- Basadi, Tehsil - Badwada, Dist. Katni (MP) 20.00ha. 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. Concerned Officer vide letter no. 313 dated: 08/02/2017 has reported that there is one more mine operating or proposed within 500 meters around the said mine and total cumulative area is 40.00 ha.

The case was presented by the PP and their consultant wherein it was found that earlier this case was recommended for EC with other case number and Hon'ble NGT has rejected the earlier EC and instructed for re-application in B-2 category. On perusal of Form-1 submitted by PP, it was observed by the committee that PP has not presented these facts in Form-1 at designated place and thus form-1 becomes incomplete and null and void.

Committee after deliberations decide that PP should submit the revised Form-1 through SEIAA enclosing date wise summary of proceedings along with all the orders passed by the

Hob’ble NGT in this case as it is very important for the committee to understand the grounds on which the case was rejected earlier.

DISCUSSION ON QUERY RESPONSE SUBMITTED BY PP/ISSUES RECEIVED FROM SEIAA.

14. Case No. 2333/2015- Shri Vijay B. Khandelwal, 678, Shyama Kuti, Hanuman Nagar, Tharsa Road, Kanhan, Dist-Nagpur (MS)-441401. Prior Environment Clearance for approval of Botejhari Manganese Ore Mines in an area of 8.45 ha. Production Capacity from 1500 MTPA to 16000 TPA at Khasra no.-29, 45, 47, & 59, Village- Botejhari, Tehsil-Waraseoni, District-Balaghat (MP). EIA Presentation. Consultant: CES, BHOPAL.

This is case of Botejhari Manganese Ore Mines. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-29, 45, 47, & 59, Village- Botejhari, Tehsil-Waraseoni, District-Balaghat (MP) 8.45 ha. The project requires prior EC before commencement of any activity at site.

Environment setting

Particulars	Details
Locations	Village- Botejhari, tehsil- Waraseoni, Dist Balaghat (MP)
Latitude	21 ⁰ 49’46.0”to 21 ⁰ 50’01.38” North
Longitude	79 ⁰ 57’03.18”to 79 ⁰ 57’16.08” East
General ground level	325m
Nearest National/state Highway	Katangi – Lalburra Road – EEN – 0.50km Waraseoni-Katangi PWD Road -4.60km
Nearest Railway Station	Kochewahi - SSW- 5.40 km
Nearest Airport	Nagpur - 120.0 km
Nearest Tourist Place within 10km radius.	None
Archaeological Important Place within 10km radius.	None
Ecological Sensitive Areas (Wild Life Sanctuaries)	None

within 10km radius.	
Reserved / Protected Forest within 10km radius	G.F.Sonewani R.F. -N -1.5 km
Nearest Town / City within 10km radius	None
Nearest Village	Botejhari tola - W - 0.30 km
Nearest River	Chandan River - SE - 8.0 km
Nearest Nalla	Katangjhari Canal - E - 1.25km Katangjhari Tank - NEN - 1.5km Kas Nalla (Mahadev) - N - 0.05km Dhokariya Nalla - WSW - 2.25km Chapa Tank - NW -4.0km Tank - NE - 4.5km
Other running mines within 5km radius	1. M/s A.P.Trivedi & Sons – Ramrama 2-M/s J. K. Minerals –Katangjhari-1 3-M/s J. K. Minerals – G.F.Sonewani 4-M/s J. K. Minerals –Katangjhari - 2
Industry within 10km radius	M/s Ramnik Ferro Alloy and Power – 8.0km

Salient feature of the lease area

Particulars	Details
Type of Mine	Opencast/Fully mechanised
Mining Lease Area	8.45ha
Mineable Area	8.45ha
Existing Pits	3.63ha
Existing dump	1.84ha
Infrastructure and road	0.60ha
Mineral Storage	0.5ha
Plantation	0.15ha
Recoverable Reserve	80400 T
Present depth of mining	30m bgl (295 AMSL)
Ultimate Depth of Mining	50m bgl (275 AMSL)
Existing capacity	1500 tonne
Proposed capacity	12072 tonne
Expected Life of Mines	7 years
Lease Period	20years upto 2023
Thickness of soil/OB	Maximum- 0.0 m Minimum – 2.0 m
Proposed mode to transportation of mineral	Road
Area to be covered under dumps	2.40 ha
Area to be covered under open pit	5.0 ha
Area to be reclaimed by lease period end	2ha upto 30m

Area to be converted as water body	3.0ha
Area to be covered under plantation	5.25ha
Average mRL	325 AMSL
Ground water table	
Monsoon period	10m bgl
Dry month	15m bgl
Production per day in MT	48
Truck/dumper required per day	2 (24MT capacity)

It was reported by the PP that

- The fresh lease was granted for period of 20 years from 20.11.2003 to 19.11.2023.
- The lease area comes under govt. & Pvt.waste land
- No other lease area are located within 500m radius
- The PP has already been obtained CTO from MPPCB
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur.

Existing and proposed land use plan

Items	Existing	Conceptual Period
Total lease area	8.45ha	
Ultimate depth of mining	30m bgl (295m AMSL)	50m bgl (275m AMSL)
Ultimate pit slope	45 degree	45degree
Area under dumps	1.84 ha	2.40 ha
Area under pits	3.63ha	5.0ha
Area to be reclaimed	Nil	2.0ha up to 30m
Infrastructure & Road	0.56ha	0.60ha
Mineral storage	Nil	Nil
Plantation	0.15 ha	5.25ha
Water body	3.63ha	3.0ha

Earlier this case was discussed in 176th SEAC meeting dated-26/02/2015 wherein it was recorded that the salient features of the project and proposed TOR were presented by the PP and his consultant before the committee. It is reported that the mine is operational with a production capacity of 1500 MTPA and PP wish to enhance the production capacity to 16000 MTPA. After deliberations committee approved the TOR. Later this case was discussed in 222nd SEAC meeting dated 28/08/2015 wherein it was observed that the case pertains to category B-1, accordingly TOR was issued for the project to carry out EIA vide letter no. 75 dated 16/04/2015. As per application an enhancement in production capacity was envisaged in the project from 15000 TPA to 16000 TPA. Later PP submitted a request vide letter dated 20/07/15 stating that the Mining Plan for the project has been approved for 12072 TPA hence accordingly an amendment has been requested by the PP in the issued TOR. Committee

accepted the request and decided to issue amended TOR as requested subject to the following conditions:

1. Copy of approved Mining Plan for desired production capacity shall be submitted with EIA.
2. Data and Public Hearing shall for the recent period not older than 02 years.
3. Other TORs' mentioned in the letter no. 75 dated 10/04/15 shall be applicable along with the standard TORs' prescribed by the MoEF & CC.

The PP has submitted the EIA report vide letter dated 07/10/2016 which was forwarded by the SEIAA vide letter no. 4209/SEIAA/16 dated 17/10/2016 and the same was placed in the agenda.

The EIA was presented by the PP and consultant before the committee in the 58th SEAC II meeting dated 11/10/2016. The committee observed that being it's an existing mine having mined out pit thus the entire ML area should be properly fenced. The EIA presented by the PP is adequate and satisfactory and other submissions made by the PP earlier were found to be satisfactory and acceptable, but it was observed that so far PP has not submitted the DFO certificate. Thus PP was asked to submit DFO certificate.

PP vide letter dated 23/01/2017 has submitted a representation which was placed before the committee. Committee observed that following submissions are made by the PP:

1. That the above lease is located at village Botejhari, district Balaghat and was granted for period of 20 years from 2003 to 2023.
2. In accordance with the direction of MoEF/SPCB, PP had applied for EC to SEIAA and completed the process of EIA and public hearing. The final appraisal of case was taken in the 58th SEAC II meeting dated 11/10/2016 and technical aspect of the project was found satisfactory. During the appraisal, we have been asked submit information in new format wherein distance of national park, sanctuary and ecological sensitive area along with the distance of forest should be ascertained by the forest department. Subsequently PP had requested district forest officer (south) for the same and he had issued the letter of information for distance of national park, sanctuary and ecological sensitive area along with the distance of forest.
3. DFO vide letter dated 13/01/2017 has issued the certificate and has mentioned that the distance of the forest is 60 meters and therefore NOC cannot be given by the office of the DFO. Kindly note that distance of forest, if within the 250 meters from the lease boundary, the NOC for such leases shall be given by the committee headed by commissioner of the division but it is applicable for fresh leases only.

4. Kindly refer the clarification issued by upper secretary ministry of mines, Govt of MP to SEIAA of MP through letter NO.4905/28/2010/12/01/Bhopal dated 03.09.2010 that the rule is only applicable to fresh leases and the running mines should be exempted from the same till the expiry of the lease period if, lease has been granted prior to years 2002.
5. Based on that SEIAA has also taken a policy decision in its 77th meeting and endorsed the letter issued by mining department and granted EC to number of cases where distance of forest is within the 250 meters from the lease boundary but lease was granted prior to year 2002.

On perusal of above submission of PP and relevant documents, it was observed by committee that the lease is 60 meters away from the forest boundary as per the certificate issued by the DFO for which PP submitted that the above lease is sanctioned prior to 2002 and thus forest NOC is not applicable to them in accordance with the decision taken by SEIAA in their meeting no. 77 and 88 respectively. In support of their statement, PP informed that lease was renewed for period of 20 years from 2003 to 2023 and the deed was executed on 14/12/2004 and is the part of the file. The committee observed that the response submitted by the PP is adequate and satisfactory 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. Transportation of minerals shall not be carried out through forest area.
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. 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.
6. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.

7. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
8. Being it's an existing mine having mined out pit thus the entire ML area should be properly fenced to avoid any accidents.
9. Garland drains (2110m x 0.1m x 0.5m) and 06 settling pits (04m x 03m x 01m) should be provided to avoid silt discharge. As proposed, 02 settling tanks of 44x 25m x 8m and 60x 20m x 08m connected with garland drains shall be provided for proper sedimentation.
10. Water sprinkling for dust suppression should be provided on 800 meter long and 04 meter wide haul road and on 02 kms meters long 03 meter wide transport road.
11. Production of Manganese Ore shall be as per the mining plan with quantity not exceeding 12072 TPA.
12. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
13. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
14. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
15. The commitments made in the public hearing are to be fulfilled by the PP.
16. 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.

15. Case No. - 2469/2015 M/s Nector Mining Company, Mr. Arun Chopra, Partner, 110, Bhaseen Residency, South Civil Lines, P.O. & Distt- Jabalpur (M.P.) 482001 Kurro Mansakra Laterite Deposit Mine Lease Area - 19.67 ha., Capacity-2,98,145 TPA, Khasra No.- Kurro Village 10, Manasakra Village 522/1 at Vill.- Kurro & Manasakra, Th.- Sihora, Distt-Jabalpur (M.P.) Env. Consultant: Greencindia consulting P. Ltd. Gazizbad.

This is a mining project pertaining to mining of Laterite from a lease area of 19.67 Ha. The project is covered under the provisions of EIA notification. It is mentioned as item 1(a) in the schedule of the EIA notification hence requires prior EC from SEIAA.

Location

The project is located in Kurro and Mansakra Village, Sihora Tehsil, Jabalpur District, Madhya Pradesh. The salient features of the project are described in table below:

Features of the Project and Project Site

Project Site	Village – Kurro & Mansakra Tehsil – Sihora, District- Jabalpur State - Madhya Pradesh	
Site Coordinate (Refer Figure 1.2 for map of coordinates superimposed on topographical sheet)	Latitude 23°29'04.2" to 23°29'18" North Longitude 80°07'22.1" to 80°07'47.3" East Toposheet No.- 64 A/2 and 64 A/3	
Mining Lease Area & Type of land	19.67 Ha of govt. waste land.	
Name of Rivers/ Nallahs/ Tanks/ Spring/ Lakes etc within the Study Area (nearest point)	Barne Nadi Heran Nadi Hagni Nadi Belkund Nadi Kanari Nadi Bah Nalla	About 6.5 km in SSW About 3.2 km in S About 5.9 km in SSE About 6.4 km in E About 6.0 km in W About 0.3 km in S
Name of Reserve Forests, Wildlife Sanctuary/ National Parks etc. (nearest point)	Hargarh RF Dhanwahi RF Amoch RF Dense Mixed Jungle	About 1.1 km in SE Approx 5.00 Km in ENE About 10.9 km in E About 7.5 km N&NNW
Topography of ML area	Highest Elevation: 457m RL towards center. Lowest Elevation: 390 m RL at slope of hill.	
Name of Mineral mined	Laterite	
Rate of Production (Peak)	2,98,145 TPA	
Life of mine	26 Years	
Mineral Reserve in Tonnes	4686500 Tonnes	
Drilling/ Blasting	No drilling and blasting will be adopted in this mine.	
Ground water level	35-40 m bgl	
GWT intersection	Mining will be done above the ground water table.	

Features of the Project and Project Site

	Hence ground water table will not be affected.
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NATURE AND SIZE

The proposed project is for mining of laterite. The total lease area of the project is 19.67 ha, which consists of Government land. The proposed production of minerals of the proposed mine is about 2,98,145TPA. The estimated cost of the project is about Rs. 2.10 Crores

MINING METHOD

Open cast other than fully mechanized method of mining will be adopted. There is no OB and hence the development in mineral only will be carried out by deployment of excavator. Loading will be done by loaders and transport through dumpers. Sorting, sizing and loading of mineral will be carried out manually as well. No drilling and blasting will be carried out. Rock breaker will be used for breaking over size boulders, if required. Various mining activities such as excavation, loading and transportation will be so conducted as to ensure maximum mineral conservation and minimum environmental degradation. While planning, quality parameter of the deposit has been taken care of so as to have maximum blending ratio.

Systematic working will be done by formation of benches as per M.M.R. 1961. All applicable rules of MMR 1961, Mines Act-1952, MCR-1960, MCDR-1988 will be followed for safe, scientific & systematic working to follow the principles of safety & conservation of human health & mineral. The development in mineral will be carried in bench of height 6.0m and width 10m to 15m.

Waste Management

During the ensuing 5 years plan period, 53,233 cum of IB/waste will be generated. This will be utilized for preparing protective bund in boundary and rest stacked during 5 years. Dumping has been proposed during the ensuing 5-year period in boundary in form of garland bund over 0.50 ha upto 2.0m height and dump towards south in 0.80 ha area upto 10.0m height.

About 2,00,000 cum of OB & waste is proposed to be generated by conceptual period. Dumping will be carried out in 1.0 ha area upto 20m height during 5 years of the conceptual period. This will be re-handled and backfilled during the later part of the conceptual stage. About 1.15 ha will be backfilled and rehabilitated by afforestation per year during conceptual period. No external dump will remain at the end.

Project Requirement

Water: The total water requirement for the project has been estimated at 23 KLD. The only source of water is ground water through dug well and tube wells of nearby villages. The water available is suitable for drinking purpose. Water for mining operation (dust suppression) will be sourced from sump at a later stage.

Power: Electricity power supply is available in the ML area. Solar power will be used on the haul road and for the site services.

Manpower: About 100 persons from both semi-skilled and unskilled categories will be required for operation of the project.

The application for EC was forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. PP and his consultant presented the salient features, PFR and proposed TOR before the committee in this meeting. The project is located at *Khasra No.- Kurro Village 10, Manasakra Village 522/1 at Vill.- Kurro & Manasakra, Th.- Sihora, Distt-Jabalpur (M.P.)*. It was reported that the project is not attracted by the General Conditions. PP submitted that the baseline environmental data has already been collected and requested the committee to allow him to use the same in EIA / EMP report.

The case for TOR was presented in the 192^{ed} SEAC meeting dated 08/05/2015 wherein based on the submissions made by the PP and the presentation the Committee recommended for inclusion of following points to be addressed in the EIA / EMP in addition to standard TOR:

1. Baseline environment monitoring data already collected may be used in the EIA / EMP report however it may be note that the data should not be older than 02 years. All data used in the report should be re-validated before use.
2. Production figures from 1994 onwards duly validated from the Mining Department.
3. As the mine is old, existing status of the mining lease area w.r.t. (a) number of pits opened, their depths & other dimensions, (b) Excavations done so far (quantum of mineral excavated) (c) Locations, size and stabilization of Over Burdens.
4. Inventory of operating / proposed mines within 2 Km around the said mine.
5. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
6. Evacuation Plan to be provided with transport route, required infrastructure and man-power.

The EIA/EMP was presented by the PP and their consultant in the 261st SEAC meeting dated 08/01/2016 wherein in PP informed that it's a fully mechanized mine without drilling & blasting and a safety wall will also be erected all along the ML area. After deliberations, PP was asked to submit response on following issues:-

1. The location of the proposed OB/waste dumps w.r.t. heights is not acceptable to the committee due to anticipated adverse impacts on agricultural fields and nallah. Revised detailed plan of OB/waste management and measures for dump stabilization should be submitted.
2. Area proposed for stacking of dumps needs relocation as the proposed area is near the agricultural fields, Railway track & nallah and during rainy season surface runoff may affect the nearby areas. PP was also advised to reduce the height of proposed dump to 06 meters.
3. Surface runoff management plan.
4. Details about size and specifications of garland drains and settling pond and point of discharge be submitted.

5. PP should submit an undertaking that backfilling will be done from the 6th year of mine operation.
6. Details of beneficiation plant.

The case was again presented by the PP and their consultant in the 29th SEAC II meeting dated 03/06/2016 for query reply wherein PP informed that as desired they have submitted an undertaking that backfilling will be done from the 6th year of mine operation. During discussion PP informed that relocation of waste dump is not feasible & safe as on the other side the gradient is too high and thus stability will be less and chances of failure will be more. Considering the above technical aspects, committee decides that the proposed location of OB/waste dumps should not be relocated from south to north. The other submission made by the PP was found 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. No mining operations be carried out within the statutory safety zone for electrical line passing through the ML area upto it's shifting. Garland drain and check-dams shall be constructed all around the dumps to prevent and flow from the mining site.
7. Production of Laterite shall be as per the mining plan with quantity not exceeding 2,98,145 MTPA.
8. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
9. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should undertake backfilling from the 6th year of mine operation.
12. PP should erect a safety wall all along the ML area.
13. 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.

SEIAA vide letter no. 4860/SEIAA/16 dated 28/12/2016 has sent the file back to SEAC stating that:

“this case was discussed 373rd SEIAA meeting dated 29/09/2016 and it was recorded that, the letter of Joint Director, T&CP, Jabalpur has been received on 07/09/2016 in response to SEIAA’s above query. PP has also submitted his representation on 26/09/2016, it has been decided to seek opinion of the collector, Jabalpur with recored to prospective mining in mining lease area which is part of the sehore developmet plan, 2011 both the letter should be sent to collector, Jabalpur. Collector, Jabalpur has submitted a reply in response to the above query with and explanation/clarification regarding mining activity within the planning area as commented by joint Director, T&CP while seeking his advice. Both the letters be sent to SEAC with case file for their comments”.

The above letter of SEIAA with case file was placed before the committee. The committee on perusal of the file observed that the query was raised by the SEIAA and in response to the above query collector Jabalpur vide their letter dated 22/11/2016 has submitted the response stating that mining lease has been sanctioned from 09/04/2008 to 08/04/2058 with lease deed agreement in favour of PP and thus as per rule EC can be issued. The committee after deliberations decided that the letter issued by the collector against the SEIAA’s query is self explanatory and committee has already recommended the case for EC and standby its recommendation made in the 29th SEAC II meeting dated 03/06/2016.

16. Case No.-5466/2016 Shri Mohan Lohaiya, Vill. Kulpahar, P.O.Mahoba, Dist. Mahoba, UP – 210426.Prior Environment Clearance for Diaspore & Pyrophyllite Mine in an area of 16.951 ha. (2177 TPA of Diaspore, 16984 TPA of Pyrophyllite) (Khasra no. 980) at Village- Ghoor, Tehsil - Gaurihar, Dist. Chhtarpur (MP).

This is case of Diaspore & Pyrophyllite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 980) at Village- Ghoor, Tehsil - Gaurihar, Dist. Chhtarpur (MP) 16.951 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. Concerned Mining Officer vide letter no.-

1178, dated: 10/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein PP informed that it's an existing mine since 1992 and the lease was transferred in the favor of present lessee in 2006. After presentation, PP was asked to submit:

1. Copy of consent obtained from MP Pollution Control Board and also compliance report of consent conditions from the regional officer of MPPCB.
2. Details of year wise production obtained from this lease till date.
3. Copy of lease extension order issued by the competent authority since 2012.

PP vide letter dated 23/01/2017 has submitted the response to the above which was forwarded by the SEIAA vide letter no. 5290/SEIAA/17 dated 16/02/2017 and the same was placed before the committee. The committee on perusal of the reply observed that incomplete information is submitted by PP as compliance report of consent conditions from the regional officer of MPPCB is not provided and also the year wise production of Disapore till date is missing in the reply. Committee after deliberations decided that PP may be asked to provide above details for further consideration of the project.

(Dr.Mohd. Akram Khan, Member)

(Mohd. Kasam Khan, Member)

(R. K. Sharma, Member)

(A.K. Sharma, Member)

(Dr.Sonal Mehta, Member)

(Dr. Navin Chandra, Chairman)

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.
11. PP should also maintain a log book containing annual details of tree plantation and causality 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.
13. Mining should be done as per the submitted land use plan submitted by PP.

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.
4. The mining activity shall be done manually.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
7. 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.
8. No Mining shall be carried out during Monsoon season.
9. The depth of mining shall be restricted to 3m or water level, whichever is less.
10. No in-stream mining shall be allowed.
11. 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.
12. Established water conveyance channels should not be relocated, straightened, or modified.
13. 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.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
16. EC will be valid for mine lease period subject to a ceiling of 5 years.
17. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. 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.
4. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
5. The mining activity shall be done manually.
6. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
12. The mining shall be carried out strictly as per the approved mining plan.