

The 34th meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 25th June, 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. Dr. Mohd. Akram khan, Member.
2. Shri. Mohd. Kasam khan, Member.
3. 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. – 1735/13 M/s Shri Gaivinath Mines & Minerals Pvt. Ltd., H.I.G. 96, Bank Colony, P.O. & Distt.- Satna (M.P.) Pin Code – 485001. Environment Clearance for Aber Limestone, Laterite & Ochre Deposit, in an area of 21.794 ha for Production Capacity of Limestone-2,00,000 TPA, Reject Stone- 50,000 TPA, Laterite-50,000 TPA, & Ochre - 10,000 TPA, at Khasra no.-1/1 P, Village- Aber, Tehsil-Rampur Baghelan, District-Satna, MP**

This is case of Aber Limestone, Laterite & Ochre Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-1/1 P, Village- Aber, Tehsil-Rampur Baghelan, District- Satna (MP) 21.794 Ha. The project requires prior EC before commencement of any activity at site.

PROJECT DESCRIPTION

This is a project for open cast method of mining of mineral like Lime stone, Laterite, Reject Stone and Ochre and the estimated project cost is 1.0 crores. The ML area was earlier granted mining lease to Shri Rajeev Singh, for 30 years, from 23.06.2009 to 22.06.2039. The lease was transferred from Shri Rajeev Singh to M/s Shri Gaivinath Mines & Minerals Pvt. Ltd. vide State Government letter No. - F 3-48/2008/12/1 dated 02.11.2011 for rest of the period i.e. 22.06.2039. The mineral Lime stone & Laterite will be used in cement plant while Ocher is sold to paint Industry for colour washing. Reject stone will be used as building material.

Size of the Project

The total Mine Lease areas considered is 21.794 ha. The proposed production is 3, 10,000 TPA

Anticipated Life of Project and Cost of the Project

The life of the mine is anticipated at 13 years based on the level of exploration and reserve established as per UNFC classification and expecting the market demand will remain at 3,10,000 TPA. The cost of mining land, mining machinery, Environmental protection, Socio-economic development for the present ML area is about Rs. 1.0 Crores

LOCATION

The mining area is located in the Village: Aber, Taluka: Kotar, District: Satna, Madhya Pradesh. The lease area is about 23 kms aerielly from Distt. Headquarter Satna (M.P.) in north-east and by road is 27 kms. It can be approached from Satna on Satna ó Semaria PWD road via Kotar. The Kotar is 21.5 kms from Satna. From Kotar, the lease area is 3.0 kms on Semaria road and then 2.50 kms towards Aber in north from Aber turning. The nearest railway station is Satna on Jabalpur - Allahabad BG section and Hinauta Ramban at 17.5 kms towards SSW on Satna ó Rewa BG section of Western Central Railway and the nearest Airport is Khajuraho Airport at 110 Km in WNW. It. can be approached by own conveyance or by buses plying on Satna-Semaria PWD road.

Toposheet No.- 63 H /2
 Latitude - 24° 43' 1.9" to 24°43' 23.9" North
 Longitude - 81° 00' 15.2" to 81° 00' 32.8" East
 Elevation - 415m to 330 mRL.

Details of Project

Project Name	Aber Limestone, Laterite & Ochre deposit Mine			
Location of the Project	Village Aber, Tehsil ó Kotar, District- Satna, Madhya Pradesh..			
Mine Lease Area	21.974 Ha.			
Details of Villages present in Lease Area	S.No	Village	Area	Khasara no
	1	Aber	21.974 Ha	1/1 P
Latitude &	Latitude		Longitude	

Longitude	24°43'2.0" to 24°43'23.9" North	81°00'15.2" to 81°00'32.8" East
Toposheet Number	63 H/2	
Type of Land	Hilly area	
Elevation	Highest Elevation: 415 m AMSL Lowest Elevation : 330 m AMSL	
Climatic Conditions at IMD Satna	Temperature	Max:32 ⁰ C Min: 13 ⁰ C
	Wind Speed Range	0.1 KMPH to 7.2 KMPH
	Predominant Wind Direction	Blowing from North West
	Project Cost	1 Crore.
Man Power & No. of Working days	125 personnel for 275 Days/Year.	
Water Demand & Source	35.0 KLD, Source : Nearby village with the help of Tankers	
Indicated Mineral Resource	Ochre= 49896 Tonnes Laterite=715149 Tonnes Limestone=2621160 Tonnes	
Probable Mineral Reserves	Ochre= 38016 Tonnes Laterite=624935 Tonnes Limestone=2301210 Tonnes	
Targeted Production	3,10,000 TPA	
Validity of Lease	Upto 22.06.2039	
Seismic Zone	Seismic Zone II & III as per IS-1893 (Part-1)-2002	
End use of Product	Limestone and Laterite will be sold to Cement Industry. while Ochre will be used for colour washing and paint industry.	
Nearest Highway	State Highway 11 at 22.9 Kms in the West.	
Nearest Water Bodies	Gorsari Nadi at 2.75 Km in NE Simrawal Nadi at 6.0 kms SW & South to 5.50 kms in SE Tamas River at 8.0 Km in SE Asrawal Nalla at 6.25 Km in NE	
Historical	None within the study Area.	

Monuments (in 10 Km Buffer)	
Status of Protected/ Other Areas (in 10 Km Buffer)	None within the study Area
Nearest Dispensary & Govt. Hospital	Govt Dispensary at 2.9 Km in SW direction at Kotar.

MINING

Open cast other than fully mechanised method of mining will be adopted. The development in OB and inter burden 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 dia 33mm and depth 1.5m in mineral Limestone only. However blasting will be avoided. Winning of mineral and loading will be done by manual means as well. Various mining activities such as drilling, blasting, 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. Blasting will be carried out for heaving effect and fragmentation to the limestone deposit only. No blasting will be carried out in laterite. The blasted limestone will be loaded in to the dumpers by loaders/manual means and will be transported to the destination cement plants. Secondary blasting will not be required. The over burden will be loaded by loaders and transported to the stacking site by dumpers. Winning of ore and handling of waste rock will be done by excavators of 0.9 to 1.2 cum. capacity & dumpers of 10t. to 22 t. capacity.

No development will be needed as the mineral is outcropping at surface. The development in mineral will be carried in two benches. The 1st bench will be in Laterite of height 1.5m on average. The width of the bench will be 1.5m towards UPL to 10m towards working face The 2nd bench will be in Limestone of height 6.0m on average. The width of the bench will follow the quarry floor. In order to facilitate drilling upto 6.0m depth, sub benching will be done. The recovery of limestone is envisaged is 80% while that of Laterite as 90%. The reject stone is found at top and within limestone zone while ochre is localised towards north of ML area.

Ore Production and Overburden Generation (Anticipated)

Year	OB/S B/ IB (cum)	ROM			
		Ore (t.)			Reject Stone (t.)
		Laterite	Limestone	Ochre	
15-16	2,785	15,185	21,600	-	2,000
16-17	5,640	32,805	42,900	-	5,000
17-18	9,480	20,412	86,400	-	10,000
18-19	16,470	47,385	1,45,200	-	15,000
19-20 onwards	2,00,000	50,000	2,00,000	10,000	50,000

The surface level varies from 415m R.L. to 330 m R.L. The working depth will be 6 m below surface level in ML area upto 324m above Mean Sea Level (MSL). The water table is about 40m-45m below the ground level of 320m RL. The water table varies from 275m to 280m R.L. The water table goes down to 45m (275m R.L.) during dry season and rises upto 40m (280m R.L.) during rainy season.

Disposal of Waste

The limestone ore body inter bedded shale with clay pockets etc is present. The quantity to be generated is given below.

Year Wise Waste Generation

A	B	C	D	
Year	OB/Waste generation (cum)	Effective Volume = SF(1.4) x CF (0.80)x B(cum)	Quantity Disposed in (cum)	
			Stacking	Protective bund
1 st	Nil	3,119	-	3,119
2 nd	Nil	6,317	-	6,317
3 rd	Nil	10,618	-	10,618

4th	Nil	18,446	18,446	-
Total	Nil	38,500	18,446	20,054

Method and manner of disposal of waste rock:

The waste generated during first five years will be used for preparation of protective bunds around the ML area in 7.5m barrier and & the left overs if any will be stacked. The spread of the dump will be in 0.42 ha area upto 6.0m height while protective bund will be prepared in 2.0 ha area upto 2.0m height which will be back filled after the plan period is completed. It is proposed to backfill whole mineable area of 19.319 ha by the OB/Waste generated during the course of mining.

Use of Mineral

The Lime stone and Laterite occurring in the ML area is of cement grade and will be sold to various cement industries located within 100 kms radius. The Ochre has moderate demand in the region and is used for colour washing purpose. The reject stone will be used as road metal and building material.

The proposed land use at the end of fifth year and at the end of mine life is given in table below:

Sl.No	Particular	Existing	5th Year end	Lease period end
1	Total area excavated (broken)	0.55	3.73	19.319
2	Area fully mined out (out of 1)	Nil	Nil	(19.319)
3	Area fully reclaimed (Backfilled out of 2)	Nil	Nil	(19.319)
4	Area rehabilitated out of 3 by afforestation	Nil	Nil	(19.319)
5	Area reclaimed by water harvesting	Nil	Nil	Nil
6	Total area under dumps	Nil	0.42	Nil
7	Area under active dumps	Nil	0.42	Nil
8	Area under mineral stack	Nil	0.20	Nil
9	Area under Road	Nil	0.10	Nil
10	Area under Green belt)	Nil	2.0	2.475
11	Area under infrastructure	Nil	0.05	Nil
12	Protective Bund and Drain	Nil	2.40	Nil

The case was presented by the PP and his consultant in the 146th SEAC meeting dated 08/11/2013 wherein after deliberations committee has approved the TOR with inclusion of following points to be addressed in the EIA:

1. Combined impacts have to be evaluated considering the other nearby mines.
2. The CSR plan should be need based, hence a survey for the purpose has to be conducted and presented with the CSR.
3. Actual distance with GPS coordinates from the boundaries of forest and water bodies have to be presented along with the mitigation measures.
4. AAQMS have to be placed at the boundary falling towards forest.

The case was presented by the PP and their consultant wherein after presentation PP was asked to submit response on following:

1. Layout/Design of high wall with its slope for stability.
2. Specieswise distribution of proposed plantation.
3. Location and dimensions of proposed Garland drains and settling tank on map.
4. Revised budgetary allocations for EMP & CSR.
5. Traffic management plan.

The PP submitted the reply on above which was placed before the committee and committee after discussion found that the response submitted by the PP is adequate and satisfactory. 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. 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. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement. Top soil shall be staked separately and shall be used for plantation only.

6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. Appropriate garland drain with settling tanks all around the OB dumps shall be constructed and connected to settling tank.
 7. The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.
 8. Production shall be as per the mining plan not exceeding for Limestone-2,00,000 TPA, Reject Stone- 50,000 TPA, Laterite-50,000 TPA & Ochre -10,000 TPA.
 9. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement.
 10. Commitments made in the public hearing are to be fulfilled by the PP.
 11. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
 12. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 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.
2. **Case No.-565/2010 Smt Urmila Tripathi Candmari Road, Dhawari Distt-Satna-M.P. Limestone & laterite mine in an area of 8.09 ha.for enhance Production Capacity from 5000 MT/Year to 50,000 MT/Year (40,000 TPA of Limestone & 10,000 TPA Laterite) at Khasra no.-411, village -Tihari, Teh- Rampur Baghelan, Distt- Satna-M.P.**

This is case of Limestone & laterite mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-411, village -Tihari, Teh- Rampur Baghelan, Distt- Satna-M.P. 8.09 Ha. The project requires prior EC before commencement of any activity at site.

PROJECT DESCRIPTION

Location: The mining lease area is in village Tihai, District Satna- Madhya Pradesh. The mining lease area falls in Survey of India Toposheet No. 63H/2, 63D/14.

Toposheet Details

Latitude : N 24° 43' 24.8" to 24° 43' 34.3"

Longitude : E 80° 59' 59.3" to 81° 00' 15.3"

Area & production:

The total Mining Lease area is 8.09ha. The proposed production is 50000 TPA.

Khasra No.	Area	Ownership/Occupancy
<i>411</i>	8.09 ha	Govt. Waste Land
Total	8.09 ha	

This is a case of mining lease renewal with proposed production of **50000** TPA. Estimated cost of the project is Rs. 50 Lakhs.

Connectivity

The mining area is located in the village- Tihai, Tehsil- Raghuraj Nagar, District- Satna Madhya Pradesh. The lease area falls in Kotar Tehsil of Satna Distt. of Madhya Pradesh State. The lease area is about 24 kms from Distt. Headquarter Satna via Babupur and Kotar on PWD road. No infrastructural facility such as aerial rope way, conveyor belt, Railway, Building & structures, water treatment plant, electric line and water supply water source is present in the lease area.

Salient Features of Project

Name of the applicant	Smt. Urmila Tripathi
-----------------------	-----------------------------

Name & Address of POA Holder	TIHAI LIMESTONE & LATERITE MINE Name : Smt. Urmila Tripathi W/o. Shri N.K. Tripathi Chandmari Road Dhawari, Distt. - Satna (M.P.) Pin.-485 001 Ph. (07672) 224760
Name of Mine	Tihai Limestone & Laterite Mine
Village	Tihai
District & State	Satna, Madhya Pradesh
Latitude	N 24° 43'24.8" to 24° 43'34.3"
Longitude	E 80° 59'59.3" to 81° 00'15.3"
Toposheet Number	63H/2, 63D/14
Number of Leases held by the lessee	Only one
Mineral	Limestone & Laterite
Area (ha)	8.09 ha
Period of Lease (Yrs)	50 Years

Basic Requirements for the Project

SI. No.	Requirements	Quantity	Source
---------	--------------	----------	--------

1	Land	8.09 ha	It's an Existing mine
2	Water	12 KLD	Old Ground water & Mine sump
3	Manpower	50	Majority from nearby villages

Details of Mining

Method of mining	Opencast Other than Fully Mechanized		
Bench Height and Width(Ore Body)	Bench	Height(m)	Width (m)
	Year I	3m	6m
	Year I	3m	3m
Life of the Mine	11 years		
Ground water depth	30-35 m bgl (No intersection)		

Drilling

The overburden, ranges from 0.8 m to 1.0 m in thickness and will be done as per approved parameters of mine plan.

Blasting

Occasionally controlled blasting will be done for heaving purposes only, Drilling and blasting will be done 1.5m depth & 33mm diameter. Each hole will be charged with 350 g of

explosives Blasting will be done at selected sites along the face by firing single row. Nitrate Mixture and OD are the main explosives used in blasting. Hole will be fired with safety with fuse and ordinary/delay detonators. The powder factor in ore will be 6-8 tonnes per kg of explosive. No secondary blasting will be necessary as no size boulder will be dislodged.

Use of Mineral

The Limestone of the applied area is of cement grade and BF grade. No changes are anticipated in specification and new industries using minerals. The limestone produced is supplied to mainly cement plants.

Land Use Pattern

Sl. No.	Particular	Existing	5th Year end	Mine life end
1	Total area excavated (broken)	0.95	1.35	7.40
2	Area fully mined out (out of 1)	(0.05)	(0.05)	(7.40)
3	Area fully reclaimed (Backfilled out of 2)	Nil	(0.05)	(7.40)
4	Area rehabilitated out of 3 by afforestation	NA	(0.05)	(7.40)
5	Area reclaimed by water harvesting	Nil	Nil	Nil
6	Total area under dumps	Nil	0.13	Nil

7	Area under active dumps	Nil	(0.13)	Nil
8	Area under mineral stack	Nil	0.25	Nil
9	Area under Road	0.05	0.05	Nil
10	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	Nil	0.21 Plantation on bund	0.69
11	Area under infrastructure	Nil	0.01	Nil
12	Protective Drain	Nil	0.05	Nil
13	Undisturbed area	7.09	6.04	Nil
	Total	8.09	8.09	8.09

The case was discussed in the 128th SEAC meeting dated 26/04/2013 wherein committee has approved the TOR with inclusion of following points:

- Existing baseline data can be used in the EIA / EMP but the data should not be older than 2 years. The used data has to be validated.
- Fresh Public hearing has to be conducted disclosing all the details of the project including the land details.
- CER details of company have to be elaborated as per MoEF O.M.
- Details of transportation of materials to & from the site to be furnished along with route and mitigations proposed for abatement of adverse impacts due to transportation.
- Other TORs shall be same as determined earlier.

The case was presented by the PP and their consultant wherein after presentation PP was asked to submit response on following:

1. Layout/Design of high wall with its slope for stability.
2. Specieswise distribution of proposed plantation.
3. Proposed transport route for material transfer.

4. Revised budgetary allocations for EMP & CSR.
5. Commitment of lessee for controlled muffle blasting.

The PP submitted the reply on above which was placed before the committee and committee after discussion found that the response submitted by the PP is adequate and satisfactory. 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. 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. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement. Top soil shall be staked separately and shall be used for plantation only.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. Appropriate garland drain with settling tanks all around the OB dumps shall be constructed and connected to settling tank.
7. The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.
8. Production shall be as per the mining plan not exceeding for Limestone 40,000 TPA & for Laterite 10,000 TPA.
9. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement.
10. Commitments made in the public hearing are to be fulfilled by the PP.
11. Only controlled muffle blasting should be carried out.
12. Appropriate activities shall be taken up for social upliftment 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 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.

3. Case No. – 1946/2014 Smt. Manjula Jain W/o Shri Sanjay Jain, 168, Near Head Post Office, Killa Road, District-Bhind (MP)-477001. Stone Quarry Lease Area - 2.00 ha., Capacity – 42117 Cu mt/ year, Revised Capacity – 15894 Cu mt/ year, at Khasra No.- 3619/3 K, Village- Billaua, Tehsil-Dabra, District-Gwalior (MP)
4. Case No. – 1981/2014 Smt. Manju Gupta W/o Shri B.K. Gupta, Suresh Nagar, Thatipur, Murar, District-Gwalior (MP)-474011. 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.
5. Case No. – 2050/2014 Shri Sanjay Jain M/s Sai Minerals, C.L. 34, Dindayal Nagar, District-Gwalior (MP). Stone Quarry Lease Area - 2.00 ha. Khasra No. – 3619/3k, Capacity – 15894 (Rev. Cap.) at Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)
6. Case No. – 2066/2014 M/s Sarita Gupta W/o Dilip Gupta, Khasgi Bazar, Lashkar, Gwalior-474001 (MP). Black Metal Stone Quarry Lease Area - 1.625 ha. Capacity – 35060 MT/Annumn Cu. mt. /year. at Khasra No. – 3619/3A, Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)
7. Case No. – 2185/14 Smt. Asha Sharma w/o Shri Suresh Sharma, Ahukhana Ghas Mandi, Gwalior (MP)-477001. 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)
8. Case No. – 2221/2015 Smt. Bharti Yadav w/o Shri Shailendra Yadav, Vinay Nagar, Gwalior (MP)-474012. Granite (Gitti Patthar) Mine Lease Area - 2.00 ha. Khasra No. – 3619/3, Capacity – 15893 Cubic meter/year, at Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)

The above cases were placed before the committee in the 17th SEAC II meeting dated 06/04/2016 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.

Accordingly a two member's sub committee comprising of Shri. Prashant Shrivastava and Dr. Mohd. Akram Khan visited the site on 22.05.2016 during which Dr. Abhaya K Saxena, Sr. Scientific Officer, (MPPCB) alongwith the respective project proponents were also present.

Out of above seven sites, following six mines are located at one place adjacent to each other forming a cluster area of 11.625 ha:

1.	Case No. – 1946/2014 Smt. Manjula Jain W/o Shri Sanjay Jain, 168, Near Head Post Office, Killa Road, District-Bhind (MP)-477001	8821 dt-7/12/15, rec.dt-14/12/15	<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>
2.	Case No. – 1981/2014 Smt. Manju Gupta W/o Shri B.K. Gupta, Suresh Nagar, Thatipur, Murar, District-Gwalior (MP)-474011	8823 dt-7/12/15, rec.d t-14/12/15	<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>
3.	Case No. – 2050/2014 Shri Sanjay Jain M/s Sai Minerals, C.L. 34, Dindayal Nagar, District-Gwalior (MP)	8827 dt-7/12/15, rec.dt-14/12/15	<i>Stone Quarry Lease Area - 2.00 ha., Khasra No. – 3619/3k, Capacity – 15894 (Rev. Cap.) at Village-Billaua, Tehsil-Dabra, District-Gwalior</i>
4.	Case No. – 2066/2014 M/s Sarita Gupta W/o Dilip Gupta, Khasgi Bazar, Lashkar, Gwalior-474001 (MP)	8825 dt-7/12/15, rec.dt-14/12/15	<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>
5.	Case No. – 2185/14 Smt. Asha Sharma W/o Shri Suresh Sharma, Ahukhana Ghas Mandi, Gwalior (MP)-477001	8831 dt-7/12/15, rec.dt-14/12/15	<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>
6.	Case No. – 2221/2015 Smt. Bharti Yadav W/o Shri Shailendra Yadav, Vinay Nagar, Gwalior (MP)-	8829 dt. 07-12-15, Rec.Dt-14/12/15	<i>Granite (Gitti Patthar) Mine Lease Area - 2.00 ha., Khasra No. – 3619/3, Capacity – 15893 Cubic meter/year, at Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)</i>

During site inspection of above six mines it was observed that the area is an agricultural land with approx. 01 meter top soil and located in the Northern side of the existing billaua cluster. The wind direction at the time of inspection was from North to Southeastern direction. No demarcation/mine boundary pillars were available on site to verify the exact distances of these leases from the other sensitive environmental factors and billaua cluster. The mining officer and PP's present during inspection also could not establish the exact mine boundary of

these six leases and their respective distances from the billaua cluster and other sensitive environmental factors. Thus sub-committee asked the concerned mine owners and officers from mining department to prepare a surface map of all the six leases with the help of Tehsildar/Patwari/Mining Officer mentioning their exact distances from billaua cluster, nearby industry, billaua village, Main road etc and this map should be duly verified by the Tehsildar/Patwari/Mining Officer for further considerations.

However, one mine registered with case no. Case No.-3876/15 of Shri Sushil Kumar Jain S/o Shri B.K. Jain, M/s Stuti Stone Crushing Co. R/o J-82, Kalka Jee, Delhi-474001 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) is located > 500 meters away from the above mines with can be verified from the letter issued by concerned mining Officer (letter no.-Q-L-50/2015, dated: 21/08/2015) wherein it has been reported that there are no more mines operating or proposed within 500 meters around the said mine. This site is a single lease of 1.435 ha with no other mine within 500 meters located in the northwestern side of the billaua cluster. Two crushers are located on the western side of this lease and both were non-operational at the time of inspection. The wind direction at the time of inspection was from North to Southeastern direction. No demarcation/mine boundary pillars were available on site to verify the exact distances of this lease from the other sensitive environmental factors and billaua cluster. The mining officer and PP present during inspection also could not establish the exact mine boundary of this lease and their respective distances from the billaua cluster and other sensitive environmental factors. Thus sub-committee asked the concerned mine owner and officers from mining department to prepare a surface map of all the lease with the help of Tehsildar/Patwari/Mining Officer mentioning their exact distances from billaua cluster, nearby industry, billaua village, Main road etc and this map should be duly verified by the Tehsildar/Patwari/Mining Officer for further considerations.

The above report of sub-committee was placed before the committee in the 28th SEAC meeting dated 02/06/2016 wherein committee after deliberations endorsed the recommendations made by the sub-committee and recommended that the concerned PPø may be asked to submit the desired informations for firther consideration of their project.

As deired by the committee, following PPø have submitted the replies which were placed before the committee:

1.	Case No. – 1946/2014 Smt. Manjula Jain W/o Shri Sanjay Jain, 168, Near Head Post Office, Killa Road, District-Bhind (MP)-477001	<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>	PP has submitted the reply vide letter dated 16/06/2016.
2.	Case No. – 1981/2014 Smt. Manju Gupta W/o Shri B.K. Gupta, Suresh Nagar, Thatipur, Murar, District-Gwalior (MP)-474011	<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>	PP has submitted the reply vide letter dated 16/06/2016.
3.	Case No. – 2050/2014 Shri Sanjay Jain M/s Sai Minerals, C.L. 34, Dindayal Nagar, District-Gwalior (MP)	<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>	PP has submitted the reply vide letter dated 16/06/2016.
4.	Case No. – 2066/2014 M/s Sarita Gupta W/o Dilip Gupta, Khasgi Bazar, Lashkar, Gwalior-474001 (MP)	<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>	PP has submitted the reply vide letter dated 16/06/2016.
5.	Case No. – 2185/14 Smt. Asha Sharma W/o Shri Suresh Sharma, Ahukhana Ghas Mandi, Gwalior (MP)-477001	<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>	PP has submitted the reply vide letter dated 16/06/2016.
6.	Case No. – 2221/2015 Smt. Bharti Yadav W/o Shri Shailendra Yadav, Vinay Nagar, Gwalior (MP)-474012	<i>Granite (Gitti Patthar) Mine Lease Area - 2.00 ha., Khasra No. – 3619/3, Capacity – 15893 Cubic meter/year, at Village-Billaua, Tehsil-Dabra, District-Gwalior (MP)</i>	PP has submitted the reply vide letter dated 16/06/2016.

The above cases were presented by the respective PPs and their consultant before the committee. After presentation committee observed that all the above six mines are located adjacent to each other and the nearest mine registered as case no. 2185/14 (Smt. Asha Sharma W/o Shri Suresh Sharma, Ahukhana Ghas Mandi, Gwalior (MP)-477001) is only 480 meters away to the existing billaua cluster (which consist of an area of approx 102.356 ha with > 55 mining leases) as per the revised certificate issued by the mining officer vide letter no. QL-23/2011/811 dated 13/06/2016 and since the distance of the nearest mine is <500 meters, these six mines shall also become part of Billaua cluster and should be considered with them for grant of EC only after conducting EIA & Public Hearing. PP submitted that the EIA of billaua cluster is already completed and public hearing is also conducted in the last week.

Thus committee after deliberations and discussion decided to adopt cluster approach for appraisal of these six projects. The committee also suggested that PPø who are the part of the cluster may form an association of all the lease holders forming cluster for obtaining TOR and all the projects shall be appraised on the basis of an integrated EIA/EMP for entire cluster as well as site specific mine wise EMP for each project and one public consultation of all the affected villages for entire cluster in terms of EIA notification dated 9th September, 2013 and 15/01/2016 read in conjunction with MoEF&CC OM No. J-13012/2012/12/2013-IA-II (I) dated 24/12/2013 para2-I and subsequent clarifications in Mining of Minor Minerals (II) as the project activity in respect of above mines forms a cluster of mines and hence falls under category B-1 as the total lease area of all mines located within 500 meters periphery exceeds 25.00 ha. All the PPø during meeting vide letter dated 25/06/2016 submitted their written willingness to form an association for obtaining TOR and requested that they may be allowed to use data collected for adjoining Billaua cluster. It was further requested by the PPø that their TOR may be discussed today and issued only after submission of association letter.

On above, committee decided that the standard TOR as prescribed by the MoEF&CC may be recommended to the PPø for conducting EIA studies alongwith following additional TORø and same should be issued to them only after receipt of association letter from the PPø:

1. A list of all the mines located in the cluster along with their lease area, lease period, proposed production as per approved mine plan, production for which the EC is desired (Form 1), available minable reserve, proposed ultimate depth, post mining land use, details of crusher if located within the lease area, if crushing is done outside the lease area its location and details, details of any habitation, water body, road, school, or hospital or any other public place within 500 m of the cluster.
2. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
3. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
4. Air pollution control measures adopted by each mine and crusher in the cluster.
5. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.

4. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
5. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
6. A drainage plan for entire cluster and surface run off management plan.
7. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
8. Afforestation plan for entire cluster of mines. If plantation is proposed outside the lease area also, commitment of district administration is also required.
9. A conceptual closure plan of the entire cluster.
10. Public consultation be conducted as per EIA Notification, 2006.
11. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately. Data collected for adjoining billaua cluster can be used in the EIA report.
12. Provide details of court cases/ litigations pending, if any.
13. Certificate from mining officer that no more mines are left out in this cluster and all the mines are having valid mining lease.

9. Case No.5238/16 M/s ACC Ltd, Kymore Cement Works, Kymore, Dist. Katni – 483880. Prior Environment Clearance for Limestone Mine in an area of 1.121 ha. (50000 MTPA ha.) at Khasra no.-81/2, 85, Village-Badari, Tehsil - Vijayraghavgarh, Dist. Katni (MP) (TOR)

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at khasra no.-81/2, 85, Village-Badari, Tehsil - Vijayraghavgarh, Dist. Katni (MP) 1.121 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and his Consultant. It being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR:-

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 considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.
7. The AAQ data collected for adjoining mine can be used in EIA but the data should not be more 2 years old.

10. Case No.5239/16 Shri Shyam Lal Kol S/o Phuphla Kol, Katni, MP – 483501. Prior Environment Clearance for Limestone & Dolomite Mine in an area of 38.84 ha. (111275 TPA ha.) at Khasra no.- 161/1, 161/2, 170, 174, 175/1, 175/2, 146, 147, 150, 148, 152, 153, 155, 156, 157, 158, 159. 160, 162, 163, 165, 164, 168, 171, 181, 149, 167, 169, 180, 172, Village-Pondi, Tehsil - Dheemarkheda, Dist. Katni (MP) (TOR)

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no. - 161/1, 161/2, 170, 174, 175/1, 175/2, 146, 147, 150, 148, 152, 153, 155, 156, 157, 158, 159. 160, 162, 163, 165, 164, 168, 171, 181, 149, 167, 169, 180, 172, Village-Pondi, Tehsil - Dheemarkheda, Dist. Katni (MP) 38.84 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and his Consultant. It being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR:-

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 considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.
7. The AAQ data collected for adjoining mine can be used in EIA but the data should not be more 2 years old.

11. Case No. -5176/16 Smt. Ratna Mishra, Sawarkar Ward, Nai Basti, District-Katni (MP)-483501. Prior Environment Clearance for Limestone Mine in an area of 5.89 ha. (1,13,212 TPA) at Khasra No.-57/2, 65/2 part 66/3, 65/3, 66/2, part 66/1, part 67/1, 67/3k, 70/2k, 71/1, 76/2k, 68/1k, 68/2k, 69/1, 70/1k.p, 76/3k, 68/2j, 69/3, 70/1j, 76/33j, Village-Rajarwara, Tehsil-Vijayraghgarh, District-Katni (MP)

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-57/2, 65/2 part 66/3, 65/3, 66/2, part 66/1, part 67/1, 67/3k, 70/2k, 71/1, 76/2k, 68/1k, 68/2k, 69/1, 70/1k.p, 76/3k, 68/2j, 69/3, 70/1j, 76/33j, Village-Rajarwara, Tehsil-Vijayraghgarh, District-Katni 5.89 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. 18, dated: 02/01/16 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 136.57 ha including this mine.

Environment setting

Particulars]	Details
Village	Rajarwara
Tehsil	Vijayraghavgarh
District	Katni
State	MP
Latitude	23 ^o 59'45.0" to 23 ^o 59'45.4" North
Longitude	80 ^o 30'39.1" to 80 ^o 30'39.4" East
General Ground Level	398 MRL
Nearest Village	Deosari - 0.75 km - ESE
Nearest National/state Highway	Jukhi-kaymore -0.50km - N
Nearest Railway Station	Katni- 23.0 Km
Nearest Airport	Satna Airstrip- 68.0 km
Nearest Tourist Place within 10km radius.	None within 10km radius
Archaeological Important Place within 10km radius.	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Surma RF - 1.25km - N

Nearest hill range	Kaymore hill - 0.60 km - N
Nearest major city with 100000 population within 10km radius	Nil
Nearest Town / City within 10km radius	None
Nearest River/ Nalla/ pond	Tamas River - 4.25 km- NW Kailari Nadi - 6.0 km ó SE Katni River - 7.50 km- SE
Lease period	Deemed for 50 years under ordinance of Govt. of India 2015 under circular no. 19-5-2015/12/1 dt 12.03.2015
Previous Environmental clearance	316/EPPCO-SEIAA/10 dated 12.08.2010
Co-ordinates of lease area	1. 23°59'45.0" - 80°30'39.1" 2. 23°59'45.4" - 80°30'39.4" 3. 23°59'48.8" - 80°30'39.4" 4. 23°59'50.4" - 80°30'39.1" 5. 23°59'54.3" - 80°30'38.3" 6. 23°59'53.7" - 80°30'35.2" 7. 23°59'50.9" - 80°30'35.9" 8. 23°59'51.8" - 80°30'31.1" 9. 23°59'46.5" - 80°30'39.1" 10. 23°59'45.0" - 80°30'30.1" 11. 23°59'44.4" - 80°30'29.3" 12. 23°59'42.7" - 80°30'32.7" 13. 23°59'43.0" - 80°30'33.9" 14. 23°59'43.2" - 80°30'36.4" 15. 23°59'46.9" - 80°30'37.1" 16. 23°59'46.3" - 80°30'33.5" 17. 23°59'46.3" - 80°30'36.4" 18. 23°59'48.0" - 80°30'36.4" 19. 23°59'48.0" - 80°30'33.9"
Surrounding Features	North - Other mine followed by agricultural land South ó Waste land East - Other mine followed by agricultural land West - other mine

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open cast
Mining Lease Area	5.89ha
Mineable Area	5.0098 ha
Existing Pits & Quarries	3.2294 ha
Existing Dumps	1.4888ha
Plantation	Nil
Recoverable / Mineable Reserve	1157088T

Method of mining	Mechanized Method
Ultimate Depth of Mining	Upto 373 mRL
Ultimate Pit Slope	45 degree
Expected Life of Mines	11 year
Lease Period	20 year
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	0.7102 ha
Area covered under pit in conceptual period	5.0098 ha
Area to be reclaimed by conceptual period	0.8230 ha
Area to be covered under plantation by conceptual period	1.7072 ha
Area to be covered under water reservoir	4.0168 ha
Elevation	400-398mRL
Ground water table	
Monsoon period	28m bgl
Dry month	30m bgl
Production per day in t and dumper per day (24T)	377T & 16 dumper (24T)

Existing and proposed land use plan

Items	Existing	Conceptual Period
Total lease area	5.89 ha	
Ultimate depth of mining	373 MRL	373 MRL
Ultimate pit slope	45 degree	45 degree
Area under dumps	1.4888 ha	0.7102 ha
Area under pits	3.2294 ha	5.0098 ha
Area to be reclaimed	Nil	0.8230 ha
Infrastructure & Road	0.1241 ha	0.1044 ha
Plantation	Nil	1.7072 ha
Water body	0.25ha	4.0168 ha

The case was presented by the PP and his Consultant. It being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs:-

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 considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.

12. Case No. -5177/16 Shri Sharda Prasad Jaiswal, Kawasji Ward, Near Vivekanand Chowk, Post-ACC, District-Katni (MP)-483504. Prior Environment Clearance for Mohla Laterite, Bauxite & Fireclay Mine in an area of 5.901 ha. (expansion in production capacity from 10,000 to 1,62,237 TPA) at Khasra No.-01, Village-Mohla, Tehsil-Sihora, District-Jabalpur (MP)

This is case of Mohla Laterite, Bauxite & Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-01, Village-Mohla, Tehsil-Sihora, District-Jabalpur (MP) 5.901 ha. The project requires prior EC before commencement of any activity at site.

Environment setting

Particulars	Details
Location	Villae-Mohla, Tehsil- Sihora, Dist Jabalpur (MP)
Latitude	23 ⁰ '34'32.8" North
Longitude	80 ⁰ 09'06.0" East
General Ground Level	426-403 mRL
Nearest Village	Chaudhi - 1.0km - SW
Nearest National/state Highway	NH-7 -3km - S SH -51 -2.25 km - WSW
Nearest Railway Station	Dundi - 6.75 km
Nearest Airport	Jabalpur - 50 km

Nearest Tourist Place within 10km radius.	None within 10km radius
Archaeological Important Place within 10km radius.	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius
Nearest hill range with in 10 km radius	None within 10km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Dhanwahi RF – 8.5 km- SE Amoch RF – 3.0 km – EEN Hargarh RF – 9.5 km –S Jujhawal RF – 6.5 km - NNE
Nearest major city with 100000 population within 10km radius	None within 10km radius
Nearest Town / City within 10km radius	None within 10km radius
Nearest River within 10 km radius / Nalla/ pond	None within 10km radius
Nearest Nalla/Pond	Local Nalla – 0.5 km -NW Pond – 1.25 km- SW Canal – 2.75 km –S
Mines in 500 mt radius	None

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	5.901 ha
Mineable Area	2.6879 ha
Existing Pits & Quarries	0.9492 ha
Existing Dumps	0.20ha

Plantation	0.50ha
Recoverable / Mineable Reserve	527528 T
Method of mining	Semi Mechanized
Ultimate Depth of Mining	398 mRL
Ultimate Pit Slope	45°
Expected Life of Mines	5.0 years
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	1.1286 ha
Area covered under pit in conceptual period	2.6879 ha
Area to be reclaimed by conceptual period	0.0459 ha
Area to be covered under plantation by conceptual period	2.67 ha
Area to be covered under water reservoir	2.6420 ha
Elevation	Highest- 426 m RL Lowest - 403 m RL
Ground water table	
Monsoon period	32 m bgl
Dry month	35 mbgl
Production per day in t and dumper per day (24T)	541 T & 23dumper

Existing and proposed land use plan

Items	Existing	Conceptual Period
Total lease area	5.901 ha	
Ultimate depth of mining	402 mRL	Upto 398 mRL
Ultimate pit slope	45 degree	45 degree
Area under dumps	0.20 ha	1.1286 ha
Area fully mined out	0.0459 ha	2.6879 ha
Area under pits	0.9492 ha	2.6879 ha
Area to be reclaimed by Back Filling	Nil	0.0459 ha

Infrastructure & Road	0.0887 ha	0.0565 ha
Area under mineral/ mineral reject stack	0.6218 ha	Nil
Plantation	0.50ha	2.67ha
Area rehabilitated by Water Harvesting	0.25 ha	2.6420 ha

The case was presented by the PP and his Consultant. It being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs:-

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 considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.
7. The AAQ data collected for adjoining mine can be used in EIA but the data should not be more 2 years old.

13. Case No. -5178/16 Shri Ramnaresh Jaiswal C/o Shri Sharda Prasad Jaiswal, Kawasji Ward, Near Vivekanand Chowk, Post-ACC, District-Katni (MP)-483504. Prior Environment Clearance for Padrehi Limestone Mine in an area of 1.732 ha. (55,000 TPA) at Khasra No.-97, Village-Padrehi, Tehsil-Vijayraghogarh, District-Katni (MP)

This is case of Padrehi Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-97, Village-Padrehi, Tehsil-Vijayraghogarh, District-Katni (MP) 1.732 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. 18, dated: 02/01/16 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 136.57 ha including this mine.

Environment setting

Particulars	Details
Village	Padrehi
Tehsil	Vijayraghavgarh
District	Katni
State	MP
Latitude	24° 06' 03.7" N to 24° 06' 03.3"
Longitude	80° 41' 28.3" E to 80° 41' 25.6"
General Ground Level	403 mRL
Nearest Village	Padrehi ó 0.40 km - S
Nearest National/state Highway	Kymore ó Bhadanpur Road- 1.50 km ó S Kymore ó Jamuniya Kala Road- 0.25 km ó N
Nearest Railway Station	Bhadanpur Railway Station ó 7.5 km - N
Nearest Airport	Katni ó 41 km
Nearest Hill Range within 10 km	Kymore Hills ó 0.40 km - N
Nearest Tourist Place within 10km radius.	None within 10km radius
Archaeological Important Place within 10km radius.	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Surma R.F. -0.5 km ó NW Hardua R.F.- 9 km - S
Nearest major city with 100000 population within 10km radius	None within 10km radius
Nearest Town / City within 10km radius	None within 10km radius
Nearest River/ Nalla/ pond	Tamas River ó 5.5 km ó N Jumwani Nalla ó 3.30 km ó E
Number of mines in 500 mt	06
Lease period	Deemed for 50 years under ordinance of Govt. of India 2015 under circular no. 19-5-2015/12/1 dt 12.03.2015
Co-ordinate of lease area	1. 24°06'03.7õ - 80°41'28.3" 2. 24°06'04.7õ - 80°41'28.5õ 3. 24°06'05.6õ - 80°41'28.7õ 4. 24°06'06.2õ - 80°41'28.1õ 5. 24°06'06.6õ - 80°41'27.5õ 6. 24°06'07.5" - 80°41'27.2õ 7. 24°06'07.5" - 80°41'24.7õ 8. 24°06'06.6" - 80°41'22.6õ 9. 24°06'01.9" - 80°41'23.4õ
Validity of consent to operate	up to 27.05.2016

Surrounding features	North - Waste land followed by other mine South - agricultural land East - waste land followed by other mine West - waste land followed by other mine
----------------------	--

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	1.732 ha
Mineable Area	1.4145 ha
Existing Pits & Quarries	0.5309 ha
Existing Dumps	0.1318 ha
Plantation	Nil
Mineable Reserve	209802 T
Method of mining	Semi Mechanized
Ultimate Depth of Mining	382 mRL
Ultimate Pit Slope	45°
Expected Life of Mines	4 years
Lease Period	20 year
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	0.3162 ha
Area covered under pit in conceptual period	1.4145 ha
Area to be reclaimed by back filling in conceptual period	0.2307 ha
Area to be covered under plantation by conceptual period	0.5469 ha
Area to be covered under water reservoir	1.1838 ha
Elevation	Highest - 404 m RL Lowest - 402 m RL
Ground water table	
Monsoon period	22-24 mbgl
Dry month	27-29 mbgl
Production capacity per day and No of dumper per day	183T / 8 dumper (24T)

Existing and proposed land use plan

Items	Existing	Conceptual Period
Total lease area	1.732 ha	
Depth of mining	15mbgl (387 mRL)	20mbgl (382mRL)
Ultimate pit slope	45 degree	45 degree
Area under dumps	0.1318 ha	0.3162 ha
Area under pits	0.5309 ha	1.4145 ha
Area to be reclaimed by Backfilling	Nil	0.2307ha
Area to be reclaimed by water body	Nil	1.1838 ha
Infrastructure & Road	0.0191 ha	0.0204 ha
Plantation	Nil	0.5469 ha

The case was presented by the PP and his Consultant. It being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR:-

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 considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.
7. The AAQ data collected for adjoining mine can be used in EIA but the data should not be more 2 years old.

14. Case No.4399/15 M/s Kisan Mineral Pvt. Ltd., Shri Vinod Khedi, MIG-34, Near Desent School Behind Circuit House Pathapur Road, Distt- Chhatarpur (M.P)-471001. Prior Environment Clearance for approval of Granite Quarry in an area of 5.794 ha. (24,000 Cum/Year) at Khasra No. 587P, at Village Madwa, Teshil- Lavkush Nagar, Distt.- Chhatarpur(M.P.)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 587P, at Village Madwa, Teshil- Lavkush Nagar, Distt.- Chhatarpur (M.P.) Of 5.794 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. 1326, dated: - 30/10/15, has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of-24.53 ha including this mine.

Environment setting

Particulars	Details
Latitude & Longitude	25°04'2.4" to 25°05'06.7" 80°01'24.1" to 80°01'44.1"
Height above mean sea level	237-205 m (Elevation difference : 32mt)
Nearest City	Khajuraho - 30km
Nearest Railway Station	Singhpur Dumra - 13.50 km
Nearest Airport	Khajuraho - 30.75km
Nearest Highway	Bagmau- Bacchan PWD Road -W -1.60km
Nearest Village	Madwa - E ó Adjoining
Hills/Valley	None within 10km radius
Ecological Sensitive Zone within 10km radius	None within 10km radius
Reserve Forest	Silpatpura PF - SW - 1.2 km Lauri PF - N - 5.5 km Gurha PF - N - 7.0km
Historical Place	None in 10 km radius
Nearest River	Urmal Nadi - W - 5.40km
Nearest Nalla	Mohan Nalla - SSE - 5.5 Km Mudiha Ghat Nalla - SE - 1.0 km Khamuwah Nalla - E - 3.5 km Sangalri Nalla - SE - 7.0 km Jamnyahi Nalla - N - 8.0 km
No. of mine located with 500m radius	6 mines of Kisan Mineral Pvt. Ltd. (0.943ha, 0.943ha, 2.32 ha, 9.5 ha, 5.0 ha & 5.794ha Total = 24.5 ha)
Co-ordinate	1. 25°05'06.7" - 80°01'42.1" 2. 25°04'28.1" - 80°01'44.4" 3. 25°04'2.4" - 80°01'29.1"

	4. 25° 05' 36.6" - 80° 01' 34.16"
Status of consent under air and water act	Up to 30.06.2016 for 24000 m ³ /year

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	5.794 ha
Existing Pits & Quarries	0.8020 ha
Existing Dumps	0.5080ha
Infrastructure and road	0.15ha
Plantation	Nil
Total Minalable Reserve	215590 cum
Method of mining	OTFM
Ultimate Depth of Mining	25m bgl (180 mRL)
Expected Life of Mines	27 years
Lease Period	30 year
Stripping Ratio	1:9
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	4.9465 ha
Area to be reclaimed till conceptual period	0.50ha
Area to be rehabilitated by afforestation in conceptual period	1.5ha
Area to be covered under water reservoir	3.9465 ha
Ground water table	
Monsoon period	50m bgl (155mRL)
Dry month	55m bgl (150mRL)
Production per day (m3)	29
Truck per day (5m3)	6

Existing and proposed land use plan

Items	Existing	At the end of lease period
Total lease area	5.794 ha	
Total minable reserve	215590 cum	
Ultimate depth of mining	2m bgl (203mRL)	25m bgl (180 mRL)
Area under dumps	0.5080 ha	Nil

Area under pits	0.8020 ha	4.9465 ha
Afforestation	Nil	1.5 ha
Road	0.1ha	0.2ha
Infrastructure	0.15ha	0.15ha
Area fully rehabilitated through water body	0.10 ha	3.9465 ha

The case was presented by the PP and their consultant and requested that being Granite Quarry their project be considered as B-2 category as this is case of mineral minerals falls in B-2 category. The committee after presentation decided that the lease area is of this mine is 5.794 ha but concerned mining officer vide letter no. 1326, dated: -30/10/15 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 24.53 ha including this mine, PP should submit a comprehensive EMP through QCI/NABET accredited consultant addressing following issues:-

- a. Management and disposal plan of OB.
- b. Surface plan showing location and size of settling tanks and garland drains.
- c. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.
- d. Top soil management plan be discussed in the EMP.

15. Case No.4425/15 Shri Vinod Khedi, M/s Kisan Mineral Pvt. Ltd., MIG-34, Near Desent School, Behind Circuit House, Pathapur Road, District-Chhatarpur (MP)-471001. Prior Environment Clearance for approval of Granite Quarry in an area of 9.50 ha. (24,000 cum/year) at Khasra no.-587P, Village-Madwa, Tehsil-Lavkush Nagar, District-Chhatarpur (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-587P, Village-Madwa, Tehsil-Lavkush Nagar, District-Chhatarpur (MP) 9.50 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 RFO. Concerned Mining Officer vide letter no. 1327 dated:

30/10/2015 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 24.50 ha including this mine.

Environment setting

Particulars	Details
Latitude & Longitude	25° 04' 48.9" to 25° 05' 03.7" N 80° 01' 26.4" to 80° 01' 39.4" E
Height above mean sea level	250-215 m (Elevation difference : 35mt)
Nearest City	Khajuraho - 30.00km
Nearest Railway Station	Singhpur Dumra - 13.50 km
Nearest Airport	Khajuraho - 30.00km
Nearest Highway	Bagmau- Bacchan PWD Road -W -1.60km
Nearest Village	Madwa - E 0.060km
Hills/Valley	None within 10km radius
Ecological Sensitive Zone within 10km radius	None within 10km radius
Reserve Forest	Silpatpura PF - SW - 1.20 km Lauri PF - N - 5.50 km Gurha PF - N - 7.00km
Historical Place	None in 10 km radius
Nearest River	Urmal Nadi - W - 5.40km
Nearest Nalla	Mohan Nalla - SSE - 5.50 Km Mudiha Ghat Nalla - SE - 1.00 km Khamuwah Nalla - E - 3.50 km Sangalri Nalla - SE - 7.00 km Jamnyahi Nalla - N - 8.00 km
No. of mine located with 500m radius	6 mines of Kisan Mineral Pvt. Ltd. (0.943ha, 0.943ha, 2.32 ha, 9.5 ha, 5.0 ha & 5.794ha Total = 24.5 ha)
Co-ordinate	1. 25° 05' 03.7" - 80° 01' 34.1" 2. 25° 04' 47.8" - 80° 01' 26.4" 3. 25° 04' 48.9" - 80° 01' 32.3" 4. 25° 04' 53.0" - 80° 01' 39.4"
Status of consent under air and water act	Up to 30.10.2016 for 24000 m ³ /year

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	9.50 ha
Existing Pits & Quarries	2.83 ha
Existing Dumps	1.6255ha
Infrastructure and road	0.15ha
Plantation	Nil
Total Movable Reserve	340688 cum
Method of mining	OTFM
Ultimate Depth of Mining	30m bgl (185 mRL)
Expected Life of Mines	14 years
Lease Period	30 year
Stripping Ratio	1:9
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	8.5855 ha
Area to be reclaimed till conceptual period	0.2025ha
Area to be rehabilitated by afforestation in conceptual period	2.00ha
Area to be covered under water reservoir	7.45 ha
Ground water table	
Monsoon period	60m bgl (155mRL)
Dry month	65m bgl (150mRL)
Production per day (m3)	80
Truck per day (5m3)	16

Existing and proposed land use plan

Total lease area	9.50 ha	
Total minable reserve	340688 cum	
Ultimate depth of mining	20m bgl (195mRL)	30m bgl (185 mRL)
Area under dumps	1.6255 ha	Nil
Area under pits	2.83 ha	8.585 ha
Afforestation	Nil	2.0 ha
Road	0.10ha	0.2ha
Infrastructure	Nil	Nil
Area fully rehabilitated through water body	0.50ha	7.45ha

The case was presented by the PP and their consultant and requested that being Granite Quarry their project be considered as B-2 category as this is case of mineral minerals falls in B-2 category. The committee after presentation decided that the lease area is of this mine is 9.50 ha but concerned mining officer vide letter no. 1327 dated: 30/10/2015 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 24.50 ha including this mine, PP should submit a comprehensive EMP through QCI/NABET accredited consultant addressing following issues:-

- a. Management and disposal plan of OB.
- b. Surface plan showing location and size of settling tanks and garland drains.
- c. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.
- d. Top soil management plan be discussed in the EMP.

16. Case No.4451/15 Shri Vinod Khedi R/o MIG-34, Near Desent School, Behind Circuit House, Pathapur Road, District-Chhatarpur (MP)-471001. Prior Environment Clearance for approval of Granite Quarry in an area of 4.00 ha. (2,000 cum/year) at Khasra No. – 28/1, Village-Silpatpura, Tehsil-Lavkush Nagar, District-Chhatarpur (MP)

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 6 28/1, Village-Silpatpura, Tehsil-Lavkush Nagar, District-Chhatarpur (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 RFO. Concerned Mining Officer vide letter no. 1370 dated: 23/10/2015 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 47.00 ha including this mine.

Environment setting

Particulars	Details
Latitude & Longitude	25° 03' 24.15" N - 79° 59' 45.46" E

Height above mean sea level	265-205 m (Elevation difference : 60mt)
Nearest City	Khajuraho - 26km
Nearest Railway Station	Singhpur Dumra - 9.0 km
Nearest Airport	Khajuraho - 26km
Nearest Highway	Bagmau- Bacchan PWD Road -E -3.0km
Nearest Village	Silpatpura - WSW ó 0.680km
Hills/Valley	None within 10km radius
Ecological Sensitive Zone within 10km radius	None within 10km radius
Reserve Forest	Silpatpura PF - SW - 1.5 km Lauri PF - NE - 9.5 km
Historical Place	None in 10 km radius
Nearest River	Urmal Nadi - W ó 2.15km
Nearest Nalla	Mahan Nalla - SSW-2.5km Mudiha Ghat Nalla - ENE-5.0km Kataiha Nalla - E-5.0km

Sailent feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	4.0 ha
Existing Pits & Quarries	0.2 ha
Existing Dumps	0.2ha
Infrastructure and road	0.05ha
Plantation	Nil
Total Minal Reserve	216000 cum
Method of mining	OTFM
Ultimate Depth of Mining	25m bgl (180 mRL)
Lease Period	20 year
Stripping Ratio	1:7.3

Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	3.50 ha
Area to be reclaimed till conceptual period	3.50ha
Area to be rehabilitated by afforestation in conceptual period	4.0ha
Area to be covered under water reservoir	Nil
Monsoon period	35m bgl (170mRL)
Dry month	37m bgl (168mRL)
Production per day (m3)	8 cum
Truck per day	1

Existing and proposed land use plan

Items	Existing	At the end of lease period
Total lease area	4.0 ha	
Total minable reserve	216000 cum	
Ultimate depth of mining	6m	25m bgl (180 mRL)
Area under dumps	0.20 ha	Nil
Area under pits	0.2 ha	3.50 ha
Afforestation	Nil	4.0 ha
Road	0.05 ha	0.1ha
Infrastructure	Nil	Nil
Area fully rehabilitated through water body	0.05 ha	Nil

The case was presented by the PP and his Consultant. It being a case of minor mineral but as per the concerned mining officer letter no. 1370 dated: 23/10/2015 there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 47.00 ha including this mine, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs:-

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 considering all the existing mines within 500 meters radius.
4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.

17. Case No. - 3991/15 Shri Surendra Kumar Agrawal R/o 1, Civil Line, Katni (MP)-483501. Prior E.C for approval of Dolomite Mine in an area of 8.093 ha. (expansion in production capacity from 19000 to 1,00,792 TPA) at khasra No.479, Vill.-Bhadawar, Tehsil-Barwara, District-Katni (MP)

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at khasra No.479, Vill.-Bhadawar, Tehsil-Barwara, District-Katni (MP) 8.093 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. 3497, dated: 26/8/15 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of-18.223 ha including this mine.

The case was presented by the PP and their consultant in the 10th SEAC meeting dated 25/02/2016 wherein it is recorded that PP requested that their project be considered as B-2 category for following reasons:-

1. The mine area is 8.093 ha.
2. The cumulative area is 18.223 ha with 04 more mines within 500 meters radius.
3. No village within 500 meter radius.
4. No surface water body within 1.5 Kms radius.
5. The production volume is 1,00,792 TPA.
6. Being Dolomite query, only occasional blasting is proposed thus no significant ground vibrations are envisaged.
7. No environmenmtal sensitive issues are observed which may be affected by the virtue of dolomite mining.

8. No ground water interaction is envisaged from the proposed mining hence no impact on hydro-geological aspects.
9. It is a minor mineral as per Gazette Notification dated 10/02/2015.

The committee after presentation decided that on the basis of above submission, PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

- a. Management and disposal plan of OB.
- b. One month monitoring should be carried out for air, water and noise pollutants.
- c. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.
- d. Existing scenario of site should be discussed in the EMP in detail.
- e. EMP should be supplemented by the recent photographs of the site.
- f. Details of existing facilities and machineries available on site should be discussed in the EMP.
- g. Management plan of mine water discharge.
- h. Detailed yearwise plantation scheme with details of species proposed for plantation.

PP has submitted the comprehensive EMP vide letter dated 10/06/2016 which was placed before the committee. The case as presented by the PP and their consultant wherein after presentation PP was asked to submit response on following:

1. An undertaking by PP that first aid station will be provided on site.
2. Yearwise plantation schedule with its respective area.
3. Revised budgetary allocations for EMP & CSR.
4. Details of machines to be used during mining operations.

The PP submitted the reply on above which was placed before the committee and committee after discussion found that the response submitted by the PP is adequate and satisfactory. The 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. 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. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement. Top soil shall be staked separately and shall be used for plantation only.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. Appropriate garland drain with settling tanks all around the OB dumps shall be constructed and connected to settling tank.
7. The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.
8. Production shall be as per the mining plan not exceeding for Dolomite-1,00,792 TPA,.
9. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement.
10. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
11. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
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.

18. Case No. -5184/16 Shri Abhayjeet Saravgi, Partner, M/s Sihora Minerals, Ward No. 05, Sihora, District-Jabalpur (MP)-483225. Prior Environment Clearance for Marble Waste Dump in an area of 8.80 ha. (60,390 cum/year) at Khasra No.-1658, Village-Harduakalan, Tehsil-Majholi, District-Jabalpur (MP)

This is case of Marble Waste Dump. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-1658, Village-Harduakalan, Tehsil-Majholi, District-Jabalpur (MP) 8.80 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. 85, dated:

13/01/16 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The EMS and other submissions submitted 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 in addition to the standard conditions at annexure -A

- Excavation of Marble waste from dumps as per mine plan with quantity not exceeding 60,390 cum/year.

19. Case No. – 1856/2014 Shri Naresh Chandra Desai, Sr. Dy. GM (Geology), The Madhya Pradesh State Mining Corporation Ltd., Paryawas Bhawan, Block No. 1, Second Floor (A), Jail Road, Bhopal (MP)-462011. Prior Environment Clearance for approval of proposed Mardeora Rock Phosphate Mines in an area of 48.758 ha. at Khasra no.-125/1, 917, 953/1, Village-Mardeora, Tehsil-Baxwaha, District-Chhatarpur (MP)

This is case of Mardeora Rock Phosphate Mines. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-125/1, 917, 953/1, Village-Mardeora, Tehsil-Baxwaha, District-Chhatarpur (MP) 48.758 Ha. The project requires prior EC before commencement of any activity at site.

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.

DISCUSSION ON SITE INSPECTION REPORT

20. Case No. 3354/15 Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12 Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (MP)-461001. Prior Environment Clearance for approval of Lachoura River Sand Quarry in an area of 10.00 ha. (90,000 cum/year as per revised mine plan) at Khasra No. 1/1 at Vill.-Lachoura, Teh.-Tunarni, District-Harda (MP). Absent in 21 SEAC-II meeting dt-4/5/16.

This is case of Lachoura River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 1/1 at Vill.-Lachoura, Teh.-Timarni, District-Harda (MP) 10.00 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.-8828, dated: -29/07/15, 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 253rd SEAC meeting dated 18/12/2015 wherein it was decided that the project along with the project mentioned as case no. 3099 are located on the downstream of Indira Sagar Dam and these sites always remain in water due to back-waters of the dam. Mining activities may not be feasible at these sites. Based on the above facts the cases were recommended for rejection. However, due to typographical error, downstream was mentioned in place of upstream. As the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water thus the case is not recommended for grant of EC.

SEIAA vides letter no. 944/SEIAA/16 dated 24/04/2016 have forwarded the replenishment plan submitted by the PP.

The case was presented by the PP and their consultant wherein it was observed by the committee that this case was earlier rejected by the committee on the grounds that *“the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water thus the case is not recommended for grant of EC”*.

PP submitted that the entire area is not submerged in the water and mining is possible and considering these facts they have also revised the mine plan and reduced the quantity from 2,00,000 cum/year to 90,000 cum/year and have also submitted the replanishment plan duly approved by the competent authority for excavation of 90,000 cum/year of sand.

Committee after deliberations decided that since the case was rejected earlier on the grounds that the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water, site visit may be carried out to verify the facts by a sub-committee of the SEAC for further appraisal of this case.

Accordingly a two memberø sub committee comprising of Shri. Prashant Shrivastava and Dr. Mohd. Akram Khan visited the site on 18/6/2016 during which Dr. Abhaya K Saxena, Sr. Scientific Officer, (MPPCB) and Dr. Sunil Sudhakaran were also present. During site visit PP and their consultant were also present.

The lease is in the Narmada River in an area of 10.00 ha. (90,000 cum/year as per revised mine plan) at Khasra No. 1/1 at Vill.-Lachoura, Teh.-Timarni, District-Harda (MP). The QL area is apprx. 35 kms from Harda via Chipaner Road on village Lachora. The proposed method of mining is through opencast manual method as submitted by PP during site visit that the sand will be excavated from the QL manually and will be transported through trolleys upto river bank and from the river bank, it will be transported by trucks/trolleys. The QL area is connected by a kachha road of about 1.5 Kms from village Lachura to Chipaner road (junction point) and from the chipaner road the tar road is in existence for transportation of sand.

During site visit it was observed that the entire QL is not submerged in the water and was approachable through river banks. However, part of the QL (approx. 40%) in the western side was submerged in the back water of flowing river stream. Deposits of sand from two meter to 2.5 meter thickness were seen in patches and the thickness was confirmed by pitting method dug with the help of villagers during site inspection. The river bed level was approximately 10 meters down from the river bank. After site inspection, PP was asked to submit revised production operational map considering all sensitive features and area available for effective sand mining.

The above report of the sub-committee was placed before the committee and committee endorsed the recommendation of the sub-committee and decided that the PP may be asked to submit revised production operational map considering all sensitive features and area available for effective sand mining.

(Dr.NavinChandra, Chairman)

(Mohd. Kasam Khan, Member)

(Dr.Mohd. Akram Khan, Member)

(Prashant Shrivastava, 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.
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 doen as per the submiited land use plan submiited 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. Heavy vehicles shall not be allowed on the banks for loading of sand.
6. The sand shall be transported by small trolleys up to the main transport vehicle.
7. Transport vehicles will be covered with taurpoline 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.
18. Mining should be doen as per the submiited land use plan submiited by PP.

