

The 13<sup>th</sup> meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 21<sup>st</sup> March, 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. Sonal Mehta, Member.
2. Dr. Mohd. Akram khan, Member.
3. Shri. Mohd. Kasam khan, Member.

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

1. **Case No.4532/15 Shri Vikash Kumar Miglani, Janpad office Nai aabadi, Chhindwara, Distt- Chhindwara (M.P)-474011 Prior Environment Clearance for approval of Sand Quarry in an area of 5.00 ha. (80,360 cum/year) at Khasra No. 449, Village-jatma, Tehsil- Chhindwara, District- Chhindwara (MP) (Query)**

This is case of **Sand Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 449, Village-jatma, Tehsil- Chhindwara, District- Chhindwara (MP) 5.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.3046, dated: 21/10/2015 has reported that there are no more mines operating or proposed within 1000 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed that in mine plan the method of mining is appears to be "Mechanized". However during deliberations PP informed mining will be "Manual" and by mistake use of loader machines has been mentioned. PP has also submitted an affidavit during presentation that mining will be done manually.

The case was earlier presented by the PP and their consultant in the 259<sup>th</sup> SEAC meeting dated 06/01/2016 wherein during presentation it was observed that in mine plan 1640 cum/year mineral rejects will be generated but there is no mention of its disposal and management plan

is missing. Thus PP was also asked to submit revised EMP addressing issue of 1640 cum/year of waste management duly approved by the competent authority.

SEIAA vide their letter no. 11515/SEIAA/16 dated 25/02/2016 has sent the replenishment plan approved by the authority and PP vide letter dated 07/01/2016 has also submitted the revised EMP. The case was presented by the PP and on the basis of above committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -B

- Production of Sand as per mine plan with quantity not exceeding 80,360 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**2. Case No. 3345/15 Smt. Asha Singh, M/s Jatashankar Stone Crusher, 484, Civil Line, Narsinghpurwa, District-Chhatarpur (MP)-471001. Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (11,640 cum/year) at Khasra No.-367, Vill.-Bedari, Teh.-Rajnagar, District-Chhatarpur (MP) (Query)**

This is case of **Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-367, Vill.-Bedari, Teh.-Rajnagar, District-Chhatarpur (MP) 2.00 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 vides letter no.692, dated: 19/6/15, has reported that there is 02 more mines operating or proposed within 500 meters around the said mine and Total Area-8.00 ha including this Mine. PP has applied

online for wild life clearance vide Application no. FP/MP/MIN/376/2015. However copy of the complete application has not been submitted.

The case earlier was presented in the 245<sup>th</sup> SEAC meeting dated 09/12/2015 wherein it was observed that there are two different certificate issued by the DFO in respect of distance from the National Park. A fresh certificate from DFO is therefore required clearly indicating the distance of the mine site from the Tiger Reserve. Conservator of Forest vide letter dated 15/03/2016 has informed that the distance from Panna Tiger Reserve Buffer is 6.40 Kms. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/376/2015.

The EMS 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 in addition to the standard conditions at annexure -A

- Production of Stone as per mine plan with quantity not exceeding 11,640 cum/year.
- The grant of Environmental Clearance should be subject necessary Wild Life Clearance from NBWL to be obtained by PP.

**3. Case No.4688/15 Shri Madan Maheshwari, M/s Marvellous Marble Pvt. Ltd., 279, M.G. Road, Alirajpur (MP)-457887. Prior Environment Clearance for Marble Mine in an area of 8.090 ha. (35,000 TPA) at Khasra No.-49, 66, 1289, 1290, 1291, 1292, 1331, 1332, & 1352, Village-Ambua, Tehsil-Alirajpur, District-Alirajpur (MP)**

This is case of Marble mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No.-49, 66, 1289, 1290, 1291, 1292, 1331, 1332, & 1352, Village-Ambua, Tehsil-Alirajpur, District-Alirajpur (MP) 8.090 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.-1055, dated: 11/03/14 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 17.09 ha including this mine.

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

**4. Case No. 1725/15 Shri Dinesh S/o Shri Devendralal Agrawal, Vijay Nagar, Balaghat Road, Gondia (Maharashtra) Pin code- 441601. Prior Environmental Clearance for Manganese Ore Mine (M.L Area: 4.998 ha.) Enhancement in Production capacity from 1,285 TPA to 12,495 TPA at Khasra no.-274, Vill.-Sonogaon, Th.-Tirodi, District-Balaghat M.P.**

This is case of for Sonogaon Manganese Ore Mine (Opencast Manual/Semi Mechanized Method). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-274, Vill.-Sonogaon, Th.-Tirodi, District-Balaghat (M.P.) 4.998 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.

**5. Case No. - 3955/15 Shri Kuldeep Rai, Partner, M/s Mahaveer Construction, Rani Avanti Bai Ward, District-Mandla (MP) Prior Environment Clearance for approval of Sand Quarry in an area of 5.100 ha. (1,53,000 cum/year) at khasra No.-586, Vill.-Bhapsa, Tehsil-Mandla, District-Mandla (MP)**

This is case Bhapsa River (Banjar Nadi) Sand Quarry (Manual Open cast).The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at khasra No.-586, Vill.-Bhapsa, Tehsil-Mandla, District-Mandla (MP) 5.100 ha. The project requires prior EC before commencement of any activity at site.

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

1008, dated: 22/09/15 has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

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

- Production of Sand as per mine plan with quantity not exceeding 1, 53,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**6. Case No. – 2921/2015 Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12, Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (M.P.)- Gujarwada River Sand Quarry Lease Area - 20.200 Ha., Capacity - 4,50,000 cum/year, at Khasra no.-167/1, Vill.-Gujarwada, Teh.-Babai, District-Hoshangabad (M.P.)**

This is case Gujarwada River Sand Quarry (Tava River). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-167/1, Vill.-Gujarwada, Teh.-Babai, District-Hoshangabad (M.P.) 20.200 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 in the form of single certificate certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the mining officer. Concerned Mining Officer vides letter no.-3957 dated: 18/03/16 has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

The case was discussed earlier in the 207<sup>th</sup> SEAC meeting dated 22/07/2015 wherein concerned Mining Officer vide letter no. 2490 dated: 15/06/2015 has reported that there is no mine operating or proposed within 1000 meters around the said mine. Another certificate furnished with other sand mining project reveals that there is one more mine within 1000 meters from the periphery of this mine; hence it was decided by the committee to clarify the matter with the concerned Mining Officer before any decision.

The case was discussed earlier in the 256<sup>th</sup> SEAC meeting dated 03/01/2016 wherein Mining Officer has submitted response to the above query vide letter no. 3645 dated 26/12/2015 and the same was placed before the committee for scrutiny and necessary comments. Committee after deliberations decided that since the MO has submitted information is submitted, PP may be called for the presentation.

The case was presented by the PP and their consultant wherein PP has submitted another single certificate of mining officer issued vide letter no. 3957 dated 18/03/2016 stating that 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 the submission made were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 4,50,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**7. Case No. 1866/14 Shri Rajendra Prasad Gupta S/o Shri Shyam Sunder Gupta, Bhatta Mohalla, P.O. & District-Katni (M.P.)-483501. Prior Environment Clearance for approval of proposed Padrehi Bauxite Laterite & Fire Clay deposit in an area of 10.88**

**ha. for production capacity-34,304 TPA, at Khasra no.-299, Vill.-Padrehi, Th.-Bahoriband, District-Katni (M.P.)**

This is case of Padrehi Bauxite Laterite & Fire Clay deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-299, Vill.-Padrehi, Th.-Bahoriband, District-Katni (M.P.) 10.88 ha. The project requires prior EC before commencement of any activity at site.

**Introduction**

- Shri Rajendra Prasad Gupta was granted a mining lease for Bauxite, laterite and fire clay for 10.88 ha area over khasra no. 299 in Padrehi Village, Bahoriband Tehsil, District Katni, Madhya Pradesh.
- A communication letter of precise area has been issued vide letter No.-F-3-19/2009/12-2, Bhopal, Dated-16.04.2013 .
- Since the mineral is specified in the 1<sup>st</sup> schedule, approval under Section 6 5 (1) of MMDR Act 1957 has been accorded by the Central Government vide letter No.-4/5/2010-M.IV New Delhi dated 28.07.2011
- The mine plan for the project was prepared by Balram Singh Associates Private Limited and approved by Indian Bureau of Mines Jabalpur vide letter no-MP/KATNI/BAUXITE/MPLN/G-10/13-14/2128 dated 17.04.2014.
- The project is an open cast Other than fully mechanized mine.

**Project description**

Description	Details
Project Site	Padrehi Village, Bahoriband Tehsil, Katni District,
Total Area	10.88 Ha
Proposed production capacity	34304 TPA
Technology	Opencast other than fully Mechanized
Life of mine	21 years
Seismic Zone	Zone III as per IS: 1893 (Part-1) 2002
Topo-sheet No.	63 D/14 & 63 H/2
Project cost	Rs. 1 crore

**Location**

Village	Padrehi
Tehsil	Bahoriband
District	Katni
State	Madhya Pradesh
Nearest town	Katni, 35.88 km, NE
Nearest railway station	Sihora Railway Station, 17.21 km, S
Nearest Airport	Jabalpur Airport, 49.5 km, SSW
Nearest road	SH-51, 0.77 km, S

**Salient Features:**

Total Area	29.951 Ha
Proposed capacity	34304 TPA
Geological Reserve	Bauxite = 4,65,491 t. Fire Clay = 27,630 t.
Mineable Reserve	Bauxite = 48,904 t. Fire Clay = 270 t.
Method of Mining	Opencast other than fully Mechanized
Proposed working days	250
Bench height	5 m (Average)
Bench Width	> 5 m
Overall pit slope	45°
Ultimate depth of the mine	Starting level-442m RL. Ultimate level- 425m RL (17m)
Ultimate pit Slope	45°



Ground Water Level	Water table varies from 395m RL to 398 m RL in post monsoon,to 397m RL to 400 mRL	
Year-wise Production		
Year	Production (T)	
1 <sup>st</sup>	18216	
2 <sup>nd</sup>	19375	
3 <sup>rd</sup>	27208	
4 <sup>th</sup>	34304	
5 <sup>th</sup>	28814	
Total	117568	

### Conceptual Plan

Land Use	Area (Ha)
Green Belt	1.05
Plantation on the reclaimed Area	9.83
Total	10.88

### Proposed conceptual plan:

Area	Existing	5 <sup>th</sup> year End	Lease period End
Area Excavated	0.25	1.25	4.50
Dumps	0.50	0.05	--
Mineral stack	--	0.50	--
Road	--	0.10	Nil
Green belt	--	0.60	1.05
Infrastructure	--	0.10	Nil
Drain & Bund	--	0.10	Nil
Plantation on undisturbed area	--	--	5.33
Undisturbed Area	10.13	8.18	Nil
Total	10.88	10.88	10.88

The TOR of above project was approved in the 158<sup>th</sup> SEAc meeting dated 28/11/2014.

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.
6. Garland drain and check-dams shall be constructed all around the dumps to prevent and flow from the mining site.
7. Production of Bauxite, Laterite & Fire Clay shall be as per the mining plan not exceeding 34,034 TPA.
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. Commitments made in public hearing are to be ensured by PP.
12. Pucca road from ML area to the Kuwan village road junction are to be constructed by the PP as a part of public hearing commitment.
13. No drilling and blasting is proposed 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.

**8. Case No. 1150/13 M/s Kesarinandan Marbles Pvt. Ltd., 207-208, Neelkanth Apartments, Bhavani Singh, Road, Jaipur (Rajasthan). Prior Environmental Clearance for marble mine in an area of 2.21 ha. for production capacity-12,000cum/year, at Khasra no.- 123 & 124, Vill.- Amoch, Th.-Bahoriband, District-Katni(M.P.)**

This is case of Marble mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no. - 123 & 124, Vill.- Amoch,Th.-Bahoriband, District-Katni(M.P.) 2.21 ha. The project requires prior EC before commencement of any activity at site.

Amoch Marble Mining project, Having a leases area of 2.21 Ha and situated within Survey No. 123 & 124, vill.- Amoch, Th. Bahoriband, District Katni. (M.P.) for a targeted annual production of 12,000 Cum/Year.

A mining lease for mineral marble is granted to M/s. Kesarinandan Marbles Pvt. Ltd. Company, R/o Office & Mine site- village- Amoch, tehsil- Bahoriband, distt. ó Katni (m.p.), by Mineral Resource Department, Bhopal, Govt of Madhya Pradesh, vide letter No. 472/PS-MS/MPPCB/SEAC/TOR (120)/2013, Bhopal, dated 25.04.2013.for a period of 10 years.

**Location of the Project:**

State : Madhya Pradesh  
District : Katni  
Tehsil : Bahoriband  
Village : Amoch  
GT Sheet No. : 64 A/2  
Latitude : 23°35'26" N to 23°35'35" N  
Longitude : 80°10'59" E to 80°11'09"E.  
Nearest railway Station : Sihora which is 15 km. from the lease.  
Nearest Airport : Jabalpur, which is 60 km. from mine.  
Approach Route : NH-7 Jabalpur to Katni  
Survey No.: 123 & 124

**Mineable reserves:**

Category of reserves	Reserves	in
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	<b>tonnes</b>
Proved Reserves	141845.0
Probable Reserves	13725.0
<b>Total</b>	<b>155570.0</b>

**Salient Features of the mine:**

Type of mine	:	Opencast mechanized
Mine lease area	:	2.21 Hectare
Acquired land area	:	2.21Hectare
Mineable Reserve	:	155570 M.T.
Yearwise annual production	:	12,000 Cum/Year
Present surface pit	:	420 mRL
Present pit bottom	:	400 mRL
Ultimate depth of pit	:	29 mbgl
Bench height	:	6.0 m. in pit
Man power	:	35

**Land use Pattern of the study area:**

S. No.	Particulars of Land use	Area in Sq. Km.	Area (%)
1.	Forest Land		
	(a) Reserved Forest	17.25	5.28
	(b) Open Forest	60.75	18.61
2.	Land Under Cultivation		
	(a) Irrigated land	94.15	28.84
	(b) Un irrigated land	63.73	19.52
3.	Cultivable waste land	65.33	20.01
4.	Area not available for cultivation	25.22	7.72
	<b>Total Area</b>	<b>326.43</b>	<b>100</b>

## **Method of mining**

### **Proposed mining method:**

The system working in the marble quarry will be done by open cast method of Mechanized mining. The separate benches will be made, such as top soil, weathered rock and ore body.

### **Drilling/blasting:**

The drilling is most important part for the marble block cutting. The drill hole will be done with two parallel vertical (Top ) hole as well as two horizontal (Bottom) hole matched with the vertical hole, align the wire saw cutting machine first of all taking of bottom cut of in situ marble rock, then cut the both the vertical plane.

**Loading:** Loading of overburden will be done by excavator in the dumper. Loading of mineral Marble will be done in dumper by Derick crane.

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.
6. Production of Marble shall be as per the mining plan not exceeding 12,000 cum/year.
7. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
8. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. Commitments made in public hearing are to be ensured by PP.

11. Mine water should not be discharged out side of ML area in any condition.
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.

**9. Case No. 1252/2013 M/s D.M. Marble, Rai Colony, Katni (M.P.). Prior Environment Clearance for approval of Chhapra Marble Mine in an area of 04.96 ha for production capacity-33,340 MT/Year, at Khasra no.-10, 15, 16/1, 16/2, & 25, Vill. - Chhapra, Teh. - Bahoriband, Dist. - Katni (M.P.).**

This is case Chhapra Marble Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-10, 15, 16/1, 16/2, & 25, Vill. - Chhapra, Teh. - Bahoriband, Dist. - Katni (M.P.) 04.96 ha. The project requires prior EC before commencement of any activity at site.

Chhapra Marble Mining project, Having a leases area of 4.960 Ha and situated within Survey No. 10, 15, 16/1, 16/2, 25, vill.- Chhapra, Th. Bahoriband, District Katni (M.P.) for a targeted annual production of 33,340 TPA.

The Mining Lease was granted a partnership firm M/s DM Marble in favour of Shri Ranjeet singh chaudhary & Shri Bhanwar singh Chaudhary, R/o Shastri Nagar, Ajmer (Raj.), by Mineral Resource Department, Bhopal, Govt of Madhya Pradesh, vide letter No. 494/PS-MS/MPPCB/SEAC/TOR(123)/2013, Bhopal, dated 12.06.2013 for a period of 10 years.

**Location of the Project:**

State : Madhya Pradesh  
District : Katni  
Tehsil : Bahoriband  
Village : Chhapra  
GT Sheet No. : 64 A/2  
Latitude : 23°36'14.9"öN to 23°36'42.7"öN

Longitude : 80°11'07"E to 80°11'28"E.  
 Nearest railway Station : Sihora which is 15 km. from the lease.  
 Nearest Airport : Jabalpur, which is 60 km. from mine.  
 Approach Route : NH-7 Jabalpur to Katni  
 Survey No. : 10, 15 (P), 16/1, 16/2, 25

**Mineable reserves:**

Category of reserves	Reserves in tonnes
Proved Reserves	567779.0
Probable Reserves	2773426.0
<b>Total</b>	<b>841205.0</b>

**Salient Features of the mine:**

Type of mine	:	Opencast mechanized
Mine lease area	:	4.960 Hectare
Acquired land area	:	4.960 Hectare
Mineable Reserve	:	8,41,205 M.T.
Yearwise annual production	:	33,340 M.T.
Present Depth of working	:	Mining will start form 430 mRL
Ultimate depth of pit	:	402 mRL
Bench height	:	6.0 m. in pit
Man power	:	27

**Land use Pattern of the study area:**

S. No.	Particulars of Land use	Area in Sq. Km.	Area (%)
1.	Forest Land		
	(a) Reserved Forest	17.25	5.28
	(b) Open Forest	60.75	18.61
2.	Land Under		

	Cultivation		
	(c) Irrigated land	94.15	28.84
	(d) Un irrigated land	63.73	19.52
3.	Cultivable waste land	65.33	20.01
4.	Area not available for cultivation	25.22	7.72
	<b>Total Area</b>	<b>326.43</b>	<b>100</b>

### Method of mining

#### Proposed mining method:

The Mining will be carried out in semi mechanized way. During the proposed mining, blocks of Dolomite will be excavated using wire saw. Thus rectangular blocks (2.5x1.5x1.5m) of marble will be produced.

#### Drilling/blasting:

The drilling is most important part for the marble block cutting. The drill hole will be done with two parallel vertical (Top ) hole as well as two horizontal (Bottom ) hole matched with the vertical hole, align the wire saw cutting machine first of all taking of bottom cut of in situ marble rock, then cut the both the vertical plane.

**Loading:** Loading of overburden will be done by excavator in the dumper. Loading of mineral Marble will be done in dumper by Derick crane

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.
6. Production of Marble shall be as per the mining plan not exceeding 33,340 MT/year.
7. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
8. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. Commitments made in public hearing are to be ensured by PP.
11. Approach road from ML area to the main road junction are to be maintained by the PP as a part of public hearing commitment.
12. Mine water should not be discharged out side of ML area in any condition.
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.

**10. Case No. - 3078/2015 Shri Amit Khampariya, M/s Sonbhadra Tolls, Gardha, Jabalpur (M.P.)-482003. Sand Quarry Lease Area - 5.360 Ha., Capacity - 1,60,000 cum/year, at Khasra No.-75/78, 37/77, Manpur, Teh.-Anuppur, District-Anuppur (M.P.)**

This is case Manpur River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No.-75/78, 37/77, Manpur, Teh.-Anuppur, District-Anuppur (M.P.) 5.360 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.-441, dated: 01/04/15 has reported that there is 01 more mine operating or proposed within 1000 meters around the said with total area of 10.621 ha including this mine.

The case was earlier discussed in the 205<sup>th</sup> SEAC meeting dated 20/07/2015 whewrein the EMS 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 in addition to the standard conditions at annexure -Bø

1. Evacuation of sand shall be as per the approved mining plan not exceeding 80000 cum / Year.
2. Road near the School shall not be used for evacuation.

SEIAA vide their letter no. 11514/SEIAA/16 dated 25/02/2016 have sent back this file to SEAC for re-appraisal in the light of the guidelines issued by the MoEF&CC and other orders issued by the NGT in case of sand mining and thus the case was again placed in the agenda. Honøble NGT (CZ) in appeal No. 49/2015 (order no. 8) dated 12/02/2016 has directed SEIAA as under:

*“We find from the conditions imposed in the EC under the category „A” of specific condition, under condition no. 4 the same condition which was recommended by SEAC has been incorporated that “road near the school shall not be used for evacuation” and yet the full quantity as applied for i.e. 1,60,000 cubic meters per year has been allowed under the EC. We are unable to reconcile the matter with regard to the recommendations made by SEAC which have partially been accepted on the basis of the reasoning given in the reply filed by SEIAA in its EC conditions and yet the reason for reducing the quantity while recommending the case of the Respondent No. 2 to SEIAA by SEAC has not been stated by SEIAA.*

*We would therefore direct that the matter be remanded back to SEIAA for reconsideration in the light of the reasoning given in the reply filed by SEIAA on the recommendations of SEAC in favour of the Respondent No. 2. We direct that the SEIAA would reconsider the matter and decide the matter within 15 days of the copy of this order being placed before it.*

*The SEIAA while reconsidering the matter after remand shall decide the same in accordance with the fresh guidelines issued by MoEF&CC”.*

SEIAA vide their letter no. 12326/SEIAA/16 dated 21/03/2016 have also sent the replenishment study submitted by the PP.

The case was presented by the PP and their consultant. During presentation PP informed that they will not use the road which is passing near the school and have proposed an alternate route for evacuation of sand which is far away from the school. During presentation by PP, it was also observed as per the Google image based on the co-ordinated provided by the PP that earlier proposed evacuation route was passing near the school which was approx. 40 meters away from the school building. The new proposed route is passing approx. 200

meters away from the school and thus PP submitted that the evacuation of sand will not pose any risk to the school. The committee after deliberations recommends that since the PP has proposed an alternate evacuation route, the case can be considered for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -B

- Production of Sand as per mine plan with quantity not exceeding 1, 60,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the school. The evacuation of sand should be done from the proposed alternate road which is approx 200 meters away from the school.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

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

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

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

The case was presented by the PP and their consultant wherein during presentation it was observed from the Google image based on the co-ordinated provided by the PP that entire mine lease are falls in the river. PP informed that there is mistake in the co-ordinates as his site is on the banks of the river. Thus committee after deliberations decided that PP may be asked to provide correct co-ordinates of the site for appraisal of the project.

**12. Case No. 3719/15 Shri Sanjeev Agarwal, Partner, M/s Balaji Developers, 205, City Centre, MG Road, District-Indore (MP)-452003. Prior Environment Clearance for approval of Sand Quarry in an area of 22.50 ha. (5,62,500 cum/year) at Khasra no.-1, Village-Maroda, Tehsil-Itarsi, District-Hoshangabad (MP)**

This is case River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-1, Village-Maroda, Tehsil-Itarsi, District-Hoshangabad (MP) 22.50 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 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.-2769, dated: 11/07/2015, has reported that there are 02 more mines operating or proposed within 1000 meters around the said mine and total area-is 45.00 ha including this mine.

As stated above, this was part of cluster but Executive Director, M.P. State Mining Corporation Ltd., Bhopal vide letter No.Rait/2015-16/1187 Bhopal dated 03/11/2015 which was forwarded by SEIAA vide letter no 7166/SEIAA/15, Bhopal dated 03/11/15 has informed that earlier there were two mines forming cluster of 45.00 ha (cluster no. 4 of Itarsi code-2) but one mine namely Maroda-2, khasra No. 1, admeasuring 22.500 ha is not a operational cluster at present as this mine is not approved on tender. It is further submitted by Executive Director, M.P. State Mining Corporation Ltd., Bhopal that in such situation cluster no. 4 is not an operational cluster.

The case was discussed earlier in the 239<sup>th</sup> SEAC meeting dated 04/11/2015 wherein after deliberations; committee had decided to obtain a fresh certificate from the concern mining officer giving details of the number of mines with their respective areas within 1000 meter radius in the above context.

The case was again discussed earlier in the 256<sup>th</sup> SEAC meeting dated 03/01/2016 wherein it was observed that Mining Officer has submitted response to the above query vide letter no. 3638 dated 23/12/2015 informing that there is only one mine with area of 22.5 ha and the same was placed before the committee for scrutiny and necessary comments. Committee after deliberations decided that since the information from MO has been submitted, PP may be called for the presentation.

The case was again discussed earlier in the 10<sup>th</sup> SEAC (II) meeting dated 25/02/2016 wherein the case was presented by the PP and their consultant wherein during presentation and discussion it was observed that the certificate issued by the mining officer on dated 23/12/2015 states that total area of the lease is 45.00 ha out of which one lease name as Maroda-1 of Khasra no. 1 with area of 22.500 ha is sanctioned in the e-auction. If the above submission of Mining Officer is read with his another letter dated 16/12/2015 wherein it is stated that second lease named as Maroda-2 of 22.500 ha. no offer is received in e-auction for this mine. If areas of both the mines (Maroda-1 & Maroda-2) are clubbed together the total lease area in the 1000 meters periphery will be 45.00 ha and thus cluster is formed as there is no communication from M.P. State Mining Corporation Ltd., Bhopal regarding the e-auction status of second mine (Maroda-2). After discussion committee decided that PP may get the same confirmed from M.P. State Mining Corporation Ltd., Bhopal for further consideration of the project.

SEIAA vides their letter no. 11357/SEIAA/16 dated 19/02/2016 has forwarded the replenishment plan of the above lease received from Director, Geology and Mining, Bhopal for consideration.

The M. P. State Mining Corporation Ltd., vides their letter no. 2015-16/1654 dated 14/03/2016 has informed that in cluster no. 4 there are two leases with total area of 45.00 ha named as Maroda-1 and Maroda-2 of Khasra no. 1 with area of 22.500 ha each. The M. P. State Mining Corporation Ltd., has further submitted that the second mine Maroda-2 could not be auctioned in the e- auction process which was conducted 4 times till date and at present no e-auction process is in progress. It is further submitted that even if, in the ninth e-auction process, this mine is auctioned then EIA and public hearing processes will be conducted for both the mines. Thus in this situation, it is not an operational cluster.

PP vide letter no. BP/BPL/32 dated 16/03/2016 also submitted that the adjacent mine (which is a part of cluster) could not be auctioned even fourth time by the M. P. State Mining Officer and thus their mine may be considered as non-cluster mine and their case (Maroda-1) may be re-considered for EC and have also submitted an affidavit that if in future the said mine is auctioned they will stop the mining operations at their mine and will go for EIA studies and public hearing through new application.

The case was presented by the PP and their consultant during which Shri. Raj Kumar Nema, OIC, Hoshangabad Office representing The M. P. State Mining Corporation Ltd was also present and informed to the committee that in Khasra no. 1 cluster no. 4 there are two leases named as Maroda-1 and Maroda-2 with area of 22.500 ha each. He further submitted that the second mine Maroda-2 could not be auctioned in the e- auction process which is conducted 4 times till date and at present no e-auction process is in progress. It is further submitted that even if, in the ninth e-auction process, this mine is auctioned then EIA and public hearing processes will be conducted for both the mines for which PP has also submitted an affidavit.

The committee after discussion decided that since only one mine is e-auctioned and second mine could not be e-auctioned till date as submitted by the the M.P. State Mining Corporation Ltd., vides their letter no. 2015-16/1654 dated 14/03/2016 and PP have also submitted an affidavit that if in future the said mine (Maroda-2) is auctioned they will stop the mining operations at their mine and will go for EIA studies and public hearing through new application. The committee after deliberations recommends that since the PP has submitted an affidavit that they will stop the operations of mine and will conduct EIA studies, in case the second mine is e-auctioned (Maroda-2), the case can be considered for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 5, 62,500 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.

- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**13. Case No. – 2735/2015 Shri Raghvendra Singh S/o Shri Meghraj Singh, C-28, Hanuman Nagar, Khatepura, Jaipur. Sand Quarry Lease Area - 8.00 ha., Capacity -2,35,000 cum/year (Capacity as per mine plan – 2,35,000 Cum/Year) at Khasra No. 01 Vill.-Chandoura, Teh.-Ajaygarh, District-Panna (M.P.)**

This is case Chandoura River Sand Quarry (Ken River). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 01 Vill.-Chandoura, Teh.-Ajaygarh, and District-Panna (M.P.) 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 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.-2732 dated: 14/07/15 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was again discussed earlier in the 211<sup>th</sup> SEAC meeting dated 06/08/2015 wherein it was observed from the Google image that the site it appears to very close to the M.P. ó U.P. inter-state boundary. The distance of inert-state boundary is not clear from the Tehsildar certification. Hence the exact aerial distance of project boundary from the inter-state boundary to be furnished after due validation from competent authority.

PP vide their letter dated 25/01/2016 has submitted that as per the recent notification of MoEF&CC dated 15/01/2016 òGeneral Conditions has been exempted for sand mining leases for Inter State Boundaryö.

SEIAA vides their letter no. 11799/SEIAA/16 dated 11/03/2016 have forwarded the replenishment plan of the above lease.

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

- Production of Sand as per mine plan with quantity not exceeding 2,35,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**14. Case No. 5026/116 Shri Amresh Kumar Chourasia S/o Shri Ashok Kumar Chourasia, Proprietor, 102, Vyanktesh Vihar, Aerodrome Road, Indore (MP). Prior Environment Clearance for Sand Deposit in an area of 7.00 ha. (1,700 cum/year) at Khasra no.-1, 127, Village-Lakhneti, Tehsil-Tal, District-Ratlam (MP)**

This is case Lakhneti Sand Deposit (Chambal River). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-1, 127, Village-Lakhneti, Tehsil-Tal, District-Ratlam (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.-1547 dated: 21/10/15 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.



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

**15. Case No. 1407/13 M/s K.C. Bagaria Sons, Prop. Sh. Madhusudan Bagaria, Station Road, P.O. & Distt. Katni (M.P.) PIN – 483501. Prior Environmental Clearance for approval of Amehta Limestone & Dolomite Mine (7.52 Ha.) production capacity-2,00,000 MTPA(Expansion) at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P). TOR issued letter no.-544 dt-29/06/13.**

This is case of for Amehta Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P) 7.52 ha. The project requires prior EC before commencement of any activity at site.

The TOR was approved in the 130<sup>th</sup> SEAC meeting dated 07/05/2013 and the same was issued to the PP vide letter no. 544 dated 29/06/2013. The validity of TOR expired on 28/06/2015. SEIAA vide their letter no. 11767 dated 11/03/2016 has sent the file for extending the validity of TOR extent. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 28/06/16.

**16. Case No. 4436/2015 Sarc Inracon India Ltd., Director Shri Charan Singh R/o 178, C.P. Mishan Compound, Distt. Jhansi (UP) 284 001. Prior Environment Clearance for approval of Sand Quarry in an area of 9.00 ha. (55,000 cum/year as per revised mine plan) at Khasra No. 2/1 at Village – Phattepur, Teh Gourihar, Distt. Chhatarpur (MP)**

This is case of Phattepur Sand Ghat Quarry (Ken River). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 2/1 at Village ó Phattepur,

Teh Gourihar, Distt. Chhatarpur (MP) 9.00 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.1081, dated: 07/09/15 has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

The case was discussed earlier in the 252<sup>nd</sup> SEAC meeting dated 17/12/2015 wherein during presentation it was observed that as per the certificate issued by Tehsildar the site is within 10 kms distance of interstate boundary. However the actual distance has not been given. The PP is therefore asked to submit a certificate from Tehsildar giving the exact distance of this site from the interstate boundary.

PP vide their letter dated 19/02/2016 has submitted that the interstate boundary is 500 meters away from the QI area. However, as per the recent notification of MoEF&CC dated 15/01/2016 "General Conditions have been exempted for sand mining leases for Inter State Boundary".

SEIAA vide their letter no. 11468/SEIAA/16 dated 24/02/2016 have forwarded the replenishment plan of the above lease.

The case was presented by the PP and their consultant wherein it was observed that as per the revised mine plan submitted with replenishment study the volume of sand is estimated as 55,000 cum/year. The submission made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -B

- Production of Sand as per mine plan with quantity not exceeding 55,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.

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

**17. Case No. 5067/2016 M/s Smt. Pushpa Bhujade W/o Late Laxman Bhujade, Village-Mathni, Tehsil-Sausar, District-Chhindwara (MP)-481661 Prior Environment Clearance for Sand Quarry in an area of 7.319 ha. (1,39,881 cum/year) at Village-Mathni, Tehsil-Sausar, District-Chhindwara (MP)**

This is case of Sand Quarry The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 2/2,4,7,20/2,21/3 at Village ó Mathni, Tehsil-Sausar, District-Chhindwara (MP) 7.319 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no 323, dated: 01/03/16 has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

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

- Production of Sand as per mine plan with quantity not exceeding 1,39,881 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.

- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

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

**(Dr.NavinChandra, Chairman)**

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

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

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

Annexure- 'A'

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

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
3. Transportation of material shall be done in covered vehicles.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done using appropriate media.
6. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
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.

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 tarpoline 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.