

The 33<sup>rd</sup> meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 24<sup>th</sup> 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. MINING OF STONES IN CLUSTER OF MINES LOCATED IN CHANDBAD KADIM, PARWALIA SADAK AND SHAHPUR, TEHSIL-HUZUR, BHOPAL**

Following individual proposals of existing lease holders each having area less than 5.00 ha for mining of stone (minor mineral) located in villages Cahndbad Kadim, Parwalia Sadak and Shahpur, Tehsil-Huzur, District-Bhopal, M.P. were received from SEIAA vide letter No. 2042/SEIAA/16 dated 16/06/2016 for grant of environmental clearances as per the decision taken in 338<sup>th</sup> SEIAA meeting dated 04/06/2016 wherein it is mentioned that these cases are forwarded by the Collector & Chairman, DEIAA in view that these cases from cluster situation which comes under the jurisdiction of SEIAA:

SL.NO.	DETAILS OF LEASE	PP PRESENT/ ABSENT
1.	<b><u>Case No. 4927/16</u></b> Shri M.K. Mittal S/o Shri B.D. Mittal, Owner, C-8, BDA Colony, 6 No. Stop, District-Bhopal (MP)-462011 Prior Environment Clearance for Basalt Stone Quarry in an area of 2.429 ha. (2000 cum/year to 11,260 cum/year) at Khasra No.-236, Village-Shahpur, Tehsil-Huzur, District-Bhopal (MP).	PP REMAIN ABSENT
2.	<b><u>Case No. 4164/15</u></b> Shri Rahul Preetnani S/o Dilip Preetnani, B-94, Vijay Nagar, Lalghati, and Bhopal (MP)-462030 Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (15,000 cum/year) at Khasra no.-609, Village-Pervaliya, Tehsil-Huzur, District-Bhopal (MP).	PP PRESENT
3.	<b><u>Case No.4249/15</u></b> Shri Paramjeet Singh Kalra S/o Shri Amarjeet R/o 106, Shenshah Garden, Punjabi Bagh, District-Bhopal (MP)-462010 Prior Environment Clearance for approval of Metal Quarry in an area of 4.00 ha. (22,500 cum/year) at Khasra no.-345, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP REMAIN ABSENT

4.	<b><u>Case No.4480/15</u></b> Shri Sanjeet Sarkar S/o Shri S.K. Sarkar R/o H-27, Aastha Parisar, Near Kanchan Nagar, Barkheda, BHEL, District-Bhopal (MP)-462022 Prior Environment Clearance for approval of Stone Quarry in an area of 0.688 ha. (5,131 cum/year) at Khasra no.-364, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP REMAIN ABSENT
5.	<b><u>Case No.4495/15</u></b> Shri Sanjay Sharma & Others, Partner, M/s Maa Narmada Metals R/o Shop No. 94, Sector-1, Shakti Nagar, Shopping Complex, Habibganj, Tehsil & District-Bhopal (MP)-462024 Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (20,900 cum/year) at Khasra No.-359/1/1, 359/2, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP PRESENT
6.	<b><u>Case No. - 3939/15</u></b> Shri Anup Kaushik S/o Shri Vishnu Kaushik, F-120/23, Shivaji Nagar, Bhopal (MP)-462001. Prior Environment Clearance for approval of Stone Quarry in an area of 3.00 ha. (18,000 cum/year) at Khasra No.-239/222, Vill.-Shahpur, Tehsil-Huzur, District-Bhopal (MP).	PP REMAIN ABSENT
7.	<b><u>Case No. - 5055/16</u></b> Smt. Shahbano W/o Shri Raees Ahmed Siddiqui, Owner, H.No. 10, Machhli Market, Budhwara, Bhopal (MP)-462001 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (5,130 cum/year) at Khasra No.239/222 Village-Shahpur, Tehsil-Huzur, District-Bhopal (MP).	PP REMAIN ABSENT
8.	<b><u>Case No.4279/15</u></b> Shri Bharat Shukla S/o Shri B.L. Shukla, A-107, Punjabi Bagh, Govindpura, Bhopal (MP)-462021 Prior Environment Clearance for approval of Stone Quarry in an area of 3.00 ha. (18,000 cum/year) at Khasra No.- 239/222, Village-Shahpur, Tehsil-Huzur, District-Bhopal (MP).	PP PRESENT
9.	<b><u>Case No.4280/15</u></b> Shri Rajiv Shukla S/o Shri B.L. Shukla, A-107, Punjabi Bagh, Govindpura, Bhopal (MP)-462021 Prior Environment Clearance for approval of Stone Quarry in an area of 3.00 ha. (18,000 cum/year) at Khasra No.- 239/222 at Village-Shahpur, Tehsil-Huzur, District-Bhopal (MP)	PP REMAIN ABSENT
10.	<b><u>Case No.4282/15</u></b> Smt. Bayodevi Girdhar W/o Shri Babu Rao Girdhar R/o C-84, Sonagiri, BHEL, District-Bhopal (MP)-462001 Prior Environment Clearance for approval of Basalt Stone Quarry in an area of 2.639 ha. (2,500 cum/year) at Khasra no.-236, Village-Shahpur, Tehsil-Huzur, District-Bhopal (MP).	PP REMAIN ABSENT
11.	<b><u>Case No.5063/16</u></b> Shri Govind Singh Yadav S/o Shri S.S. Yadav, Owner, C-55, Padmanabha Nagar, Raisen Road, Bhopal (MP)-462023 Prior Environment Clearance for Stone & Murram Quarry in an area of 2.00 ha. (Stone-15,057 & Murram-1,472 cum/year) at Khasra No. 325, 326 & 327 at Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP)	PP PRESENT
12.	<b><u>Case No.4752/15</u></b> Shri Pankaj Singh, MD, M/s Singh Business Centre Ltd., R/o C-820, Sangam Bihar, New Delhi Prior Environment Clearance for approval of Metal Stone Quarry in an area of 3.00 ha. (22,500 cum/year) at Khasra No.-345, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP REMAIN ABSENT
13.	<b><u>Case No.4211/15</u></b> Shri Sailendra Premchandani S/o Shri S.K. Premchandani, 9, Laxmi Compound, Front of Luvkush Apartment, Idgah Hills, Bhopal (MP)-462030 Prior Environment Clearance for approval of Stone Quarry in an area of 1.50 ha. (3,000 cum/year) at Khasra no.-508, Village-Parwaliya Sadak, Tehsil-Huzur, District-Bhopal (MP).	PP PRESENT

14.	<b>Case No.4546/15</b> Shri Sushu Sudele S/o Shri Mahesh Sudele, H. No. 48, Gali No. 1, Coach Factory Road, Dwarka Nagar, District-Bhopal (MP)-462010 Prior Environment Clearance for approval of Stone Quarry in an area of 0.688 ha. (4,275 cum/year) at Khasra No.-364, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP REMAIN ABSENT
15.	<b>Case No.4604/15</b> Shri Mohammad Shahid S/o Shri Nizam Mohammed, Resi.-H. No. 8, Kamla Park, Near Post Office, District-Bhopal (MP)-462001 Prior Environment Clearance for approval of Stone Quarry in an area of 1.619 ha. (12,000 cum/year) at Khasra No.-364, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP PRESENT
16.	<b>Case No.4549/15</b> Shri Mohammed Shoaib S/o Shri Nizam Mohammed, B-3/52, Malviya Nagar, Bhopal (MP)-462001 Prior Environment Clearance for approval of Stone Quarry in an area of 1.619 ha. (12,000 cum/year) at Khasra No.-364, Village-Chandbad Kadim, Tehsil-Berasia, District-Berasia (MP).	PP PRESENT
17.	<b>Case No.4729/15</b> Shri Prakash Madhwani, Proprieter, M/s Anand Stone Crusher R/o A-59, Prabhu Nagar, Devibai Dharamshala Ke Pass, Idgah Hills, Bhopal (MP)-462001 Prior Environment Clearance for approval of Basalt Stone Quarry in an area of 3.065 ha. (35,280 cum/year) at Khasra No.-355, 356, 357, Village-Chandbad Kadeem, Tehsil-Bairasiya, District-Bhopal (MP).	PP PRESENT
18.	<b>Case No.5062/16</b> Shri Govind Singh Yadav S/o Shri S.S. Yadav, Owner, C-55, Padmanabha Nagar, Raisen Road, District-Bhopal (MP)-462023 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.920 ha. (10,830 cum/year) at Khasra No. 328, 329 at Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP).	PP PRESENT
19.	<b>Case No.4469/15</b> Smt. Lata Sabnani W/o Shri Bhagwan Das Sabnani, Partner, R/o 124, Panchvati Colony, District-Bhopal (MP)-462001 Prior Environment Clearance for approval of Stone Quarry in an area of 3.870 ha. (7,125 cum/year) at Khasra no.-342/1/1, 342/2, 346/2, 348/1, 349 at Khasra No. 342/1/1, 342/2, 346/2, 348/1, 349 at Village-Chandbadh Kadeem, Tehsil-Berasia, District-Bhopal (MP).	PP PRESENT

Out of above 19 cases, PPø of 10 cases (details as mentioned above) were present alongwith their consultant and 09 remain absent. All the PPø who were present submitted before the committee that they are not falling in cluster situation as per the previous certificate issued by the Mining Officer. PPø further submitted that the cases which are listed in Parwalia Sadak cluster by the DEIAA is not valid as lease sanctioned to Mr. Sameer Mohammad with an area of 1.950 ha is cancelled and another mine which belongs to Shri Pradum Singh is >500 meters away from the adjoining lease and after deducting the area of these two leases, remaining leases will not form cluster as the total area will be 23.33 ha. PPø further submitted that this situation remains same in all the clusters of Chandbad kadim, Parwalia Sadak and Shahpur.

Committee after deliberations decided that PPø who are not convinced with the cluster formed by DEIAA should submit fresh Mining Officer certificate verifying leases within 500 meters area alongwith a surface map showing all the existing features with their respective distances and this certificate should be forwarded by the Collector, Bhopal for further consideration of the projects within 15 days.

It was also decided by the committee that PPø who have the same opinion that their leases from cluster situation which comes under the jurisdiction of SEIAA as decided by the Collector & Chairman, DEIAA, their cases will be considered 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), the project activity in respect of above mine 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 and thus committee after deliberations and discussion decided to adopt cluster approach for appraisal of these projects. The committee also suggested that PPø who are the part of the cluster where cluster area exceeds >25.00 ha 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 and inform accordingly for TOR presentation.

**2. Case No.-2167/2014 Shri Sishu Pal Singh S/o Shri Chotu Singh Ji, Owner, Hindoun City, Dist-Karouli (Raj.)-322241. Prior Environment Clearance for approval of proposed Amlori River Sand Quarry in an area of 6.00 ha. at Village-Amlori, Tehsil-Singrauli, District-Singhrauli (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No, 239 at Village-Amlori, Tehsil-Singrauli, District-Singhrauli (MP) 6.00 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.1864/2014 dated: 27/12/2014 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vide letter no. 2060/SEIAA/16 dated 16/06/2016 has forwarded the replanishemnt plan submitted by the PP.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**3. Case No. – 2945/2015 Shri Nagendra Singh, OIC, M.P. State Mining Corporation Ltd., Civil Line, Tikamgarh (M.P.)-472001. Sand Quarry Lease Area - 6.564 Ha., Capacity - 1,00,000 cum/year, at Vill.-Laar Khurd, Teh.-Jatara, District-Tikamgarh (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-1, 347, Vill.-Laar Khurd, Teh.-Jatara, District-Tikamgarh (M.P.) 6.564 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.---, dated: ---, has reported that there is --- more mine operating or proposed within 1000 meters around the said mine.

The case was presented by the PP and their consultant in 28<sup>th</sup> SEAC II meeting dated 02/06/2016 wherein it was observed that PP has submitted revised mine plan alongwith replenishment plan in SEIAA on dated 10/05/2016 which was forwarded by SEIAA vide letter no. 1644/SEIAA/16 dated 25/05/2015. During scrutiny of the documents by the committee it was observed that the mine plan submitted by the PP is defective as initial part of the mine plan belongs to "LAAR KHURD SAND DEPOSIT QUARRY" while from page no. 05 it belongs to "CHATURKARI SAND DEPOSIT QUARRY".

Thus committee decided that PP should submit the correct copy of mine plan duly approved by the competent authority and certificate of mining officer verifying the leases within 500 meters area through SEIAA.

SEIAA vide letter no. 2058/SEIAA/16 dated 16/06/2016 has forwarded the approved mine plan submitted by the PP but in their mean time the main technical file was sent by SEAC to SEIAA on dated 17/06/2016 as per the minutes of 28<sup>th</sup> SEAC II meeting dated 02/06/2016 which contains all other documents such as form-1 and other certificates. Committee after

deliberations decided that since the main technical file is with SEIAA, same should be obtained from them.

**4. Case No. – 2681/2015 M/s Shree Sidhawali Implex Pvt. Ltd., C-268, Second Floor, Vivekanand College, Vivek Vihar, New Delhi. Kharag Stone Quarry Lease Area-3.20 ha., Capacity - 40,000 cum/year, at Vill.-Kharag, Teh.-Datia, District-Datia (M.P.)**

This is a case of mining of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Kharag, Tehsil-Datia, District-Datia in **3.20 ha.**, The project requires prior EC before commencement of any activity at site.

**Location of the project**

State - Madhya Pradesh  
 District - Datia  
 Taluka - Datia  
 Village - Kharag  
 GT Sheet No. - 54K/6  
 Latitude - 25°30'42.07" N  
 Longitude - 78°21'14.82" E  
 Nearest Railway Station - Datia at a distance of 70.0kms  
 Nearest airport - Gwalior at a distance of 190.0kms  
 Approach route - The lease area is located about 70.0 km in NW of Datia. Village Kharag is 69.60 kms from Datia and the lease area is distance of 0.40 kms connected by rural road.

**Climate:**

Average Rainfall	: 899 mm.
Temp. Max.	: 27.9 to 45.9° C
Temp. Min.	: 2.4 to 23.8° C
Relative Humidity	: 56% (Average)

**Minable reserves:**

United Nations Framework classification	UNFC Code	Mineable	Stone 90% cum
Proved Mineral reserves	111	326610	293949
Probable Mineral reserves	121 & 122	142500	128250

Feasible Mineral reserves	211	152760	137484
<b>Total</b>		<b>621870</b>	<b>559683</b>

**Life of Mine**

a)	Total mineable reserve (Proved + Probable)	559683Cum
b)	Targeted Production	40,000Cum
c)	<b>Life of Mine</b>	$a/b=559683/40,000 =14\text{Years}$

**Method of Mining:**

**Drilling, Loading and Transport:**

Mining is proposed to be done by semi mechanized open cast method. The height of each bench will be maintained at 3.0m, but the holes of 32mm dia will be drilled upto a depth of 1.5m only. The width of the bench will in no case be less than 3.0m. Thus each bench will be formed by blasting 2 slices of 1.5m depth each. Drilling will be done by wet drilling method. The holes will be blasted with special gelatine. Normally the width will depend upon the type of machinery being used at the mine. Mining will be done by Top Slicing method keeping the topography of the area in view. Thickness of each slice will be 3.0m. The blasted material will be loaded into dumpers with a Hydraulic Excavator and transported to the crushing unit.

**Waste Management:**

During life of mine, about 56000 Cum of waste material is likely to be generated. Taking swell factor into account, about 84000 Cum of waste material will have to be handled and stacked. 0.60ha area will be backfilled with the overburden material. Remaining overburden dumps top surface may be covered with soil and planted /developed as green belt.

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. PP has reported that the pit formed after mining shall be developed into a water body. Crusher is not proposed in the lease area. Concerned Mining Officer vide letter no. 40 dated: 19/02/2015 has reported that there are 09 more mines operating / proposed within 500 meters around the said mine and the total lease area is 19.71 Ha.

The case was discussed in the 195<sup>th</sup> SEAC meeting dated 01/06/2015 wherein it is recorded that in view of location of the mine and the cluster like situation in the region committee decided to consider the case under category B-1 and issue following TOR to carry out EIA / EMP in addition to the standard TOR:

- One Month Monitoring shall be conducted.
- Air monitoring shall be carried out exclusively towards the Habitation, School and temple.
- Cumulative impacts shall be worked out.
- Regional EMP shall be prepared with cost of implementation of the same.
- Evacuation plan for excavated mineral to be submitted.
- Inventory of all the mines operating or proposed in the region shall be furnished with details of lease area, product and production capacity.

The EIA was presented by the PP and their consultant wherein 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 :-Aø

1. Production of Stone as per mine plan with quantity not exceeding 40,000 cum/year.
2. Only controlled blasting is permitted in the presence of certified blaster.
3. Commitments made in the public hearing are to be complied by the PP.

**5. Case No. -1596/13 M/s. Action Marble, A-12, New ACC Colony, Distict Katni (M.P.). Environment Clearance for approval of 06.96 Hectare Marble mine at Near Village Amoch, Tehsil Bahoriband, District Katni (M.P.)**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under :-Bø Category of EIA Notification, 2006 and is to be appraised by SEAC. PP and his consultant presented the case for approval of TOR before the committee. Mining of marble is proposed in lease area of 6.96 Ha at Khasra No.- 126- 133 & 146, Village ó



Amoch, Tehsil ó Bahoriband, Distt. ó Katni (M.P.). Proposed production capacity is 8000 m<sup>3</sup> per year as per form-1.

**Location of the project**

State - Madhya Pradesh  
 District - Katni  
 Taluka - Bahoriband  
 Village - Amoch  
 GT Sheet No. - 64A/2  
 Latitude - 23°35'28.4" N to 23°35'41.2" N  
 Longitude - 80°11'1.5" E to 80°11'23.2" E.  
 Nearest Railway Station - Sihora at a distance of 15.0kms  
 Nearest airport -Jabalpur at a distance of 60.0kms  
 Approach route -The lease area is located about 60.75 km in the S of Jabalpur and 35.65kms NE of Katni. Village Amoch is 28.15kms from Katni on NH 7 and the lease area is at a distance of 2.0kms connected by rural road.

**Climate:**

Average Rainfall	: 1331.6 mm.
Temp. Max.	: 46.7 to 33.2° C
Temp. Min.	: 0.0 to 20.6° C
Relative Humidity	: 63% (Average)

**Minable reserves:**

Classification	Code	Quantity	Grade
A. Mineral reserve (1) Probable Mineral Reserves	121	428760 m <sup>3</sup>	Suitable for Block Mining
B. Remaining resources (1) Prefeasibility mineral Resources	221	266760 m <sup>3</sup>	

**Life of the mine**

a)	Total mineable reserve (Proved + Probable)	428760 Cum
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b)	Targeted Production	8000 Cum.
c)	<b>Life of Mine</b>	$a/b=428760/6000 =71$ Years

**Minable reserves:**

Classification	Code	Quantity	Grade
C. Mineral reserve (2) Probable Mineral Reserves	121	428760 m <sup>3</sup>	Suitable for Block Mining
D. Remaining resources (2) Prefeasibility mineral Resources	221	266760 m <sup>3</sup>	

**Life of the mine**

a)	Total mineable reserve (Proved + Probable)	428760 Cum
b)	Targeted Production	8000 Cum.
c)	<b>Life of Mine</b>	$a/b=428760/6000 =71$ Years

**Method of Mining:**

**Drilling, Loading and Transport:**

Mining is proposed to be done by semi mechanized opencast method. First of all the soil cover, if any, is removed and stacked separately for being used in future. Subsequently the layer of weathered marble is removed, either without blasting or with mild blasting. For the propose of cutting out of the marble block, mainly diamond wire saw is deployed. For the purpose of insertion of diamond wire saw, 100mm diameter holes are required to be drilled. After creating sufficient number of free faces, diamond wire saw is inserted into the intersecting holes (vertical and horizontal), and the plane formed by the vertical and the horizontal holes is cut out. In the similar fashion the marble is cut from all the sides. The cut out marble block is pushed away from its original place with the help of air bags, etc. and loaded into dumpers with the help of cranes. Due precaution is taken to ensure that drilling and cutting with diamond wire saw is done by wet process.

**Waste Management:**

During 5 years of mine working, about 44798 Cum of waste material is likely to be generated. Taking swell factor into account, about 49278 Cum of waste material will have to be handled and stacked. Two waste dumps are proposed to be formed in the NW side of the lease hold.

The case was discussed in the 133<sup>rd</sup> SEAC meeting dated 15/05/2013 wherein it is recorded that after deliberations committee has approved the TOR with inclusion of the following points to carry out EIA study and prepare effective EMP for the proposed project:

- In view of other existing mines in the vicinity, a composite EIA and EMP shall be prepared.
- Existing base line data not older than 1 year may be used in the EIA.
- Status of nearby Sunar Nalla including the flow-path, quality and protection plan TO BE presented in the EIA as a separate chapter.
- Detailed plantation scheme including the existing and proposed to be given in the report.
- Funds reserved for execution of all the points of proposed EMP to be provided activity wise.
- Point-wise compliances of consent conditions to be furnished after due authentication from the MPPCB.
- Present status of the mine incorporating, no. of pits, no. of OB, garland drain, settling tanks, plantation etc. have to be presented as a separate chapter supported with real-time photographs and map depictions.

The case was again discussed in the 213<sup>th</sup> SEAC meeting dated 08/08/2015 wherein it is recorded that the project was issued TOR by SEAC on in 20 August 2013 with validity of two years. PP has requested for extension of validity of TOR for one more year. In light of MoEF & CC O.M. no. 11013/41/2006-IA-II(I)(Part) dated 07/11/2014 Committee decided to allow an extension of one year for the TOR validity subject to the following conditions:

- Baseline data used in the report should not be older than 03 years
- Public hearing shall not be older than 03 years.
- EIA shall be as per the TORs issued and addressing the points of standard TORs prescribed by MoEF & CC.
- The validity of TOR shall lapse on 19 August 2016, thereafter no further extension shall be granted.

The EIA was presented by the PP and their consultant wherein 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 A

1. Production of marble as per mine plan with quantity not exceeding 6,000 cum/year.

2. Conditions imposed by the Commissioner Level committee, Jabalpur should be fulfilled by the PP.
3. Commitments made in the public hearing are to be complied by the PP.
4. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. The proposed plantation should be carried out along with the mining as per the proposed scheme.
7. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. No. OB should be stacked outside the lease area.
8. Transportation shall not be carried out through forest area.
9. Appropriate activities shall be taken up for social up-liftment of the area. 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. 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.

**6. Case No. 2890/2015 Shri Narendra Sachdeva, Shri Brijmohan Sachdeva R/o Court Road Shivpuri, Madhya Pradesh – 473 660. Granite Mining Project of Lease Area - 4.360 Ha., Capacity – 23008 Cu,mt. /Year Khasra No. 373 Vill.- – Paragarh, Teh.- – Karera, Shivpuri (M.P.)**

This is a case of mining of Granite from a lease area of 4.360 Ha with targeted production capacity of 23008 m<sup>3</sup>/Year. The project site is located at *Khasra No. 373 Village – Paragarh, Tehsil – Karera, Shivpuri (M.P.)* The application was forwarded to SEAC by SEIAA for scoping / appraisal as per the provisions of EIA Notification.

The case was discussed in the 204<sup>th</sup> SEAC meeting dated 04/07/2015 wherein it is recorded that PP and his consultant presented the case before the committee in this meeting. After deliberations Committee issued following TOR to carry out EIA / EMP in addition to the TORs prescribed by MoEF & CC:

1. Name of all the minerals with their production capacity to be detailed out in EIA.

2. Mining Plan duly approved by the Mining Department should address all the material proposed to be excavated.
3. Appropriate evacuation plan with details of all the village / forest roads expected to be used have to be addressed including their development and maintenance.

SEIAA vide letter no. 1337/SEIAA/15 dated 06/05/2016 has forwarded the request of PP for consideration as PP vide letter dated 06/04/2016 has requested to repeal TOR by considering Granite as a minor mineral.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**7. Case No. – 2939/2015 Shri Praveen Singh Bundela, Prop., M/s Balaji Granites, H-12, K.K. Colony, Teh. & District-Datia (M.P.)-473661. Granite Mine Lease Area - 21.00 Ha. Granite - 22140 cum/year, Gitty Stone - 26291 cum/year, at Khasra No. – 219, Vill.-Sunar, Teh.-Datia, District - Datia (M.P.)**

This is case of **Granite Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 6 219, Vill.-Sunar, Teh.-Datia, District - Datia (M.P.) **21.00** Ha. The project requires prior EC before commencement of any activity at site.

The case was discussed in the 231<sup>st</sup> SEAC meeting dated 27/10/2015 wherein it is recorded that it being a case of Granite mining of ML area 21.00 ha. committee considered the case under B-1 category and recommended for issuing standard TOR prescribed by MoEF&CC for EIA.

SEIAA vide letter no. 1809/SEIAA/16 dated 02/06/2016 has forwarded the request of PP for consideration as PP vide letter dated 06/04/2016 has requested to consider above said Granite mine query as minor mineral under B-2 category.

The case was presented by the PP and their consultant wherein PP submitted that as per the new notification this granite mine is now considered as B-2 category (minor mineral) and there are no more mines operating or proposed within 500 meter radius of this mine. Thus their TOR may be repealed and case may be considered as B-2.

Committee after deliberations decided that since the lease area of the mine is 21.00 ha, comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

- a. Management and disposal plan of OB.
- b. Management and disposal of mine water discharge.
- c. Surface plan showing location and size of settling tanks and garland drains.

**8. Case No.-1681/13 Shri Jaheer Ahamed, M/s. Ismile & Sons, Mission Chowk, District – Katni (M.P.). Prior Environmental clearance for Limestone Mine (Opencast Manual/Semi Mechanized Method) in area 3.670 ha. at Khasra No. 185, 187, 188, 183/2, 187/1, Village – Devsari Tehsil – Vijayraghavgarh, Distt. Katni**

This is a mining project with lease area of 3.670 Ha. Mining of Limestone is proposed to the tune of 45000 TPA. The project falls under the purview of EIA notification in accordance to the MoEF O.M. dated 18/05/2012. The case has been categorized as category B-1 project as per the guidelines of SEIAA. The application was forwarded by SEIAA for issuance of TOR to carry out EIA and prepare EMP for the project. Project was presented by the PP and his consultant before the committee in the meeting, which reveals following:

The mining lease was granted in favour of M/s. Ismail & Sons, Mission Chowk, Katni (M.P.) near village Devsari, Tehsil Vijayraghavgarh, District Katni over an area of 3.670 hect. In Khasra No. 185, 186, 187, 188, 183/2, 187/1 by Mineral Resource Department, Bhopal Govt. of Madhya Pradesh vide letter No. 3-7217/12 Bhopal, dated 8/6/1976 for a period of 20 years and further renewal is pending.

Salient features of the project:

Project Name	Devsari Limestone Mines
Location	Near village Devsari, Tehsil Vijayraghavgarh, District Katni. (M.P.)
Lease period	28.7.1976 to 22.7.1996 further renewal is pending.

Lease area	3.670 Hect. . Khasra no. 185, 186, 187, 188, 183/2, 187/1
Toposheet No.	64 A/9
Latitude & Longitude	Latitude 23° 59'40.86", Longitude 80° 31'22.5"
Targeted production	45,000 T.P.A.
Land status of lease	Private land.
Mining Method	Opencast semi-mechanized method
Dimension of benches	3 mts. height & 3 mts. width.
General Topography of the lease	378 mRL to 374 mRL
Project cost	Rs. 70 Lacs.
Reserve forest Surma	1.5 Kms. in North
Railway Line	18 kms.

The TOR was recommended for this lease in the 135<sup>th</sup> SEAC meeting dated 04/06/2013 but the case was delisted as per the decision taken in 146<sup>th</sup> SEIAA meeting dated 12/09/2013. The case was again relisted in the 255<sup>th</sup> SEIAA meeting dated 02/11/2015. The case was scheduled for presentation today but PP neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to give last chance to the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**9. Case No. – 3157/2015 Smt. Seema Sheikh w/o Shri Firoz Sheikh, 58, Ramnagar, Dewas (M.P.)-455001. Stone Gitti Quarry Lease Area - 3.00 Capacity - 15,000 cum/year, at Khasra No.-378, 379, Vill.-Dungariya, Teh.-Dewas, Dist-Dewas (M.P.)**

This is a case of mining of Stone Gitti Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-378, 379, Village-Dungariya, Tehsil-Dewas, Dist-Dewas (M.P.) 3.00ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 396 dated: 17/3/15, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine and Total Area-7.00 ha including this mine.

The case was scheduled for discussion in the 29<sup>th</sup> SEAC II meeting dated 03/06/2016 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

The case was again scheduled for presentation today but PP 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 last chance to PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**10. Case No. 4086/15 Smt. Ritu Awasthi w/o Shri Tarun Awasthi, B-3/52, Malviya Nagar, Bhopal (MP)-462003. Prior Environment Clearance for approval of Stone Quarry in an area of 3.750 ha. (28,000 cum/year) at Khasra no.-364, Village-Chandbad Kadim, Tehsil-Berasia, District-Bhopal (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-364, Village-Chandbad Kadim, Tehsil-



Berasia, District-Bhopal (MP) 3.750 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.-2447, dated: 10/9/2015 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 15.765 ha including this mine.

The case was discussed in the 266<sup>th</sup> SEAC meeting dated 14/01/2016 wherein 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 ~~A~~

- Production of Stone as per mine plan with quantity not exceeding 28,000 cum/year.
- A village is about 10 meters away from the ML area thus a setback of 10 meters be left from the ML area excluding the 7.5 meters mandatory buffer zone.

SEIAA vide letter no. 2002/SEIAA/16 dated 14/06/2016 has sent back the file to SEAC for a clarification as it is mentioned that öA village is about 10 meters awayö instead of öVillageö which was placed before the committee.

The committee observed that this mining lease is belongs to village öChandbad Kadimö and all the cases of mining leases which belongs to village öChandbad Kadimö are sent back by Collector/Chairman, DEIAA, Bhopal through SEIAA mentioning that these cases from cluster situation which comes under the jurisdiction of SEIAA. The committee after deliberations decided that this case should also become the part of öChandbad Kadimö clusterö and PP may be asked to act as per decision taken today at serial no.01 in case of öMINING OF STONES IN CLUSTER OF MINES LOCATED IN CHANDBAD KADIM, PARWALIA SADAK AND SHAHPUR, TEHSIL-HUZUR,BHOPAL+

**11. Case No.4798/15 Smt. Preeti Thakur, Partner, M/s SBS Stone Crusher R/o Makronia Chouraha, District-Sagar (MP)-470115. Prior Environment Clearance for approval of Stone Quarry in an area of 8.00 ha. (20,444 cum/year) at Khasra No.-32, Village-Shyampura, Tehsil-Sagar, District-Sagar (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No.-32, Village-Shyampura, Tehsil-Sagar, District-Sagar (MP) 8.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-1096, dated: -19/08/15, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of -17.00 ha including this mine.

The case was presented by the PP and their consultant in the 18<sup>th</sup> SEAC meeting dated 13/04/2016 wherein PP was asked to submit following informations:-

- Plantation scheme with names of species and commensurate budgetary provisions.
- Details of water required for pollution control facilities, drinking & plantation etc.
- Detailed plan for mine water discharge.
- An affidavit from PP that only controlled blasting will be carried out.

PP vide letter dated 25/05/2016 has submitted the reply of above queries and same was presented by the PP and their consultant. 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 :-Aø

- Production of Stone as per mine plan with quantity not exceeding 20,444 Cum/Year.

**12. Case No.5227/15 Shri Himant Singh, Owner, 3, Radha Ganj, Dist. Dewas (MP) – 455001. Prior Environment Clearance for Crusher Stone deposit in an area of 6.000 ha. (33522 cum/year) at Khasra no .-590, Village-Janolibuzurg, Tehsil - Tonkkurd, Dist. Dewas (MP)**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-590, Village-Janolibuzurg, Tehsil-Tonkkurd, Dist. Dewas (MP) 6.000 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. NIL dated: 17/11/2015 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 11.0 ha including this mine.

The case was presented by the PP and their consultant wherein it was observed that wind mills are in existence nearby the lease area and the closest wind mill is 100 -110 meters away in the western side of the lease area as per the Google image of January, 2016 based on the coordinates provided by the PP. It was also observed through Google image that the proposed lease area is on a hillock and on the western side are the wind mills at RL 577 meters and the highest peak of hillock is 582 meters while the lease is in the eastern side at an RL of 577 meters. The committee after deliberations decided that PP may be asked to provide measures proposed for the safe guard of these wind mills and directed SEAC secretariat to find out if any locational criteria are fixed for these wind mills with respect to mining leases.

**13. Case No.5204/15 Smt. Hemlata Pathak, Owner, Jawahar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Crusher Stone Quarry Deposit in an area of 13.0 ha. (10000 cum/year) at Khasra no.-350/1, Village-Bedar, Tehsil-Maharajpur, District-Chhatarpur (MP)**

This is case of Crusher Stone mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-350/1, Village-Bedar, Tehsil-Maharajpur, District-Chhatarpur (MP) 13.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 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. 1542 dated: 05/12/2015 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 17.023 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 and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**14. Case No.5202/15 Shri Rohit Kumar Pateriya, M/s Hemant Construction and Suppliers, Lessee, Indraprastha Garden District. Chhatarpur (M.P.) – 471001. Prior Environment Clearance for Stone & Murram Quarry in an area of 7.00 ha. (31636 cum/year) (Stone**

**– 28928 cum/year, Murram – 2708 cum/year) at Khasra no.-1285, Village-Mamaun, Tehsil-Bijawar, District-Chhatarpur (MP)**

This is a case of mining of Stone & Murram Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra at Khasra no.-1285, Village-Mamaun, Tehsil-Bijawar, District-Chhatarpur (MP) 7.00. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 341 dated: 09/3/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine and Total Area 11.00 ha including this mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**15. Case No. – 1665/13 M/s Vidhi Alias Pvt. Ltd., Bhiktiyog Apartment, Nargundkar, Layout Khamala Road, Nagpur (MH). Environment Clearance for approval of 06.229 Hectare Manganese Ore at Vill.-Katanghari, Teh.-Lalbarra, Dist.-Balaghat (M.P.)**

This is case of Manganese Ore. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-982, 984/2, 985, Vill.-Katanghari, Teh. - Lalbarra, Dist.-Balaghat (M.P.) 6.229 ha. The project requires prior EC before commencement of any activity at site.

This is a mining project comprising mining of Manganese Ore in an area of 6.229 Ha. The project is covered under EIA Notification and mentioned at SN 1(a) of the Schedule under category -BØ Hence requires prior EC from the SEIAA before commencement of the proposed activity. The application was forwarded by SEIAA to SECA for scoping so as to determine TOR for the project to carry out EIA and prepare EMP. PP presented the salient features of the project which reveals following:

**Location**

É Site : Village Katanghari  
 É Tehsil : Lalburra  
 É District : Balaghat  
 É Location : Toposheet No. 55 O/13  
 É Khasra No : 982, 984/2, 985  
 É Latitude : 21<sup>0</sup>49<sup>0</sup>45<sup>0</sup> North  
 É Longitude : 79<sup>0</sup>58<sup>0</sup>15<sup>0</sup> East  
 É Road Connectivity : Katangi ó Waraseoni Road 1.4 km

**Environmental setting of project**

SN	Particulars	Details
1	Nearest town	Katangi - 16 km from Mine
2	Nearest Railway Station	Katani - 16 km from lease area.
3	Nearest Airport	Nagpur located about 182 km from the mines by road
4	Nearest Highway	Katangi ó Waraseoni road is 1.4 km
5	Nearest Village	Katanghari at 1.2 km
6	Nearest River /Nallah	Katanghari tank is 3.6 km from Mine Site.
7	Topography	gentle Slope
8	Ecological Sensitive Zone	Non within 10 km radius
9	Interstate Border	(M.H.) 36 km form mine site

**Details of mining lease area**

SN	Particulars	Details
1.	Type of mine	Open cast
2.	Mining Lease Area	6.229 ha
3	Area to be covered under /mineral stack proposed	Nil
4.	Proposed plantation	2.05 ha
5.	Total Reserve	83384 MT

6.	Road and building	0.15 ha
7.	Ultimate depth of Mining	15 m
8.	Area covered by mine waste dumps	Nil
9.	Area to be reclaimed	1.39 ha
10.	Ultimate size of pit	390m x (150-130) x34 m
11.	Ultimate Pit slope	45 <sup>0</sup>
12.	Proposed capacity of mines	5000 tons per annum
13.	Existing mode to transportation of ore	By Road

**Year wise disposal of mine waste**

Year	Excavation of Lateritic soil in m <sup>3</sup>	Excavation of Waste material in m <sup>3</sup>
First	176	192
Second	32	288
Third	32	358
Fourth	64	593
Fifth	80	718
Total	384	2,149

**Mining method**

Mining Method	All mining operations like removal of soil and OB and dumping, excavation, sizing, loading sorting & hauling shall be manual. Occasionally, drilling & blasting will also be carried out, by engaging private licensed contractors.
Drilling Operation	Depth of drill hole ó 1.2 m ; diameter of blast hole ó 34 mm; specing between two holes ó 0.90m
Blasting operation	Blasting is only required for production of Mn Ore. Removal of waste material blasting is not required as the waste comprises of soil and phyllite rock, which are soft in nature.
Explosive to be used	Gelatin with detonators. 500 gms per hole.

Disposal of Mine Waste	Dumped and used for reclamation after exploration.
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**Water requirement**

SN	Head	Quantity
1.	Dust suppression	3.0 kld
2.	Green belt	1.5 kld
3.	Domestic	1.5 kld
	Total	6.0 kld

**Air pollution control measures**

Source	Control Measures
Truck Movement	No Over Loading. Truck shall be covered with tarpaulin while transporting ore, Enforcing speed limit. Regular Monitoring of the Exhausts Proper maintenance of trucks
Waste Dumps	Dumps will be adequately slopped. The non active sides of the dumps will be vegetated with fast growing grasses.
Haul Road	Regular Water sprinkling by tanker mounted truck
Mine working areas	Regular water spraying in the working area. Green belt surrounding to the lease area. Wet drilling or dust extractors to be provided. Personnel protective equipment like dust mask, ear muffs/plugs and goggles will be provided to workers.

**Water pollution control measures**

- ❖ There is accumulation of rain water in the existing pits, increases in prolonged rains hours, accumulated water shall be pumped out, and used for dust suppression and shall be given to nearby farmers for irrigation purpose.
- ❖ To prevent the soil from wash off, protective trenches , 2m deep and 2m wide shall be formed around the bottom of the of OB dumps.
- ❖ Settling pit and drains are being cleaned properly to prevent the siltation.
- ❖ There is no surface stream in the core zone.

- ❖ The depth of the mine shall be max. 20m and the ground water table is 25m-30m therefore the mining will not intersect the ground water.

**Proposed plantation during mining**

Year	No. of trees	Survival rate	Particulars
1st	500	80%	Mango, Sisham, Sal, Mahua, Neem, & Ber etc
2nd	500	80%	Mango, Sisham, Sal, Mahua, Neem, & Ber etc
3rd	500	80%	Mango, Sisham, Sal, Mahua, Neem, & Ber etc
4th	500	80%	Mango, Sisham, Sal, Mahua, Neem, & Ber etc
5 <sup>th</sup>	500	80%	Mango, Sisham, Sal, Mahua, Neem, & Ber etc

**Budget for Environmental Protection**

SN	Particular	Capital cost (Rs.)	Recurring cost (Rs)
1.	Dust suppression	1,00,000.00	25,000.00
2	Environmental monitoring		50,000.00
3	Training		10,000.00
4	Green belt development	60,000.00	30,000.00
5	Dump rehabilitation		28,000.00
6	Back filling		20,000.00
7	Medical aids as per norms	40,000.00	20,000.00
8	Others	10,000.00	10,000.00
	Total	2,10,000.00	1,93,000.00

The case was discussed in the 143<sup>rd</sup> SEAC meeting dated 29/10/2013 wherein after deliberations committee has approved the proposed TOR for the project with inclusion of following additional points to prepare EIA / EMP:



1. NOC from gram Sabha has to be obtained mentioning all the issues such as use of water and other resources from the nearby villages and grazing land for the cattle.
2. The stripping ratio is reported to be 1:6 thus huge quantity of waste is expected from the mining; hence OB management has to be detailed out as a separate chapter.
3. Approved Mining Plan has to be submitted.
4. Mine Closure plan complying the conditions of Mining Plan to be detailed out.
5. Other standard TOR shall be applicable.

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. Previously the case was scheduled in the 30<sup>th</sup> SEAC II meeting dated 04/06/2016 but PP remains absent. Committee decided to call the PP in subsequent meetings giving last chance and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**16. Case No. – 1447/2013 Shri Mahendra Singh Solanki, Village Baman khedi , Tehsil-Jaor, Dist. Ratlam. Prior Environmental clearance for approval of 2.0 ha stone mine in Production capacity from 2500 cum/year at Village Sindurkiya, Thasile jaora , Dist. Ratlam**

This is case of stone mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-355, Village Sindurkiya, Thasile jaora, Dist. Ratlam 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 vide letter no.-561, dated: -26/09/14, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 6.450 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. Previously the case was scheduled in the 29<sup>th</sup> SEAC II meeting dated 03/06/2016 but PP remains absent. Committee decided to call the PP in subsequent meetings giving last chance and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**17. Case No. – 2591/2015 Shri Sanjay Patni, 53, Mutual No. 97, Indore (M.P.)-452001. Dhureri Stone Quarry Lease Area-2.50 ha., Capacity – 20,000 cum/year, at Khasra No. 51/1/1/1 Vill.-Dhureri, Teh.-Depalpur, Distt.-Indore (M.P.)**

This is case of Dhureri Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 51/1/1/1 Vill.-Dhureri, Teh.-Depalpur, Distt.-Indore (M.P.) 2.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-34, dated: -11/01/16, has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 8.69 ha including this mine.

Project was considered and discussed in the 201<sup>st</sup> SEAC meeting dated 04/06/2015 wherein after deliberations project was issued TOR based on the certificate of the concerned Mining Officer stating that there are several mines with lease area of more than 25 Ha. However PP has submitted a revised certificate vide letter no. 595 dated 29/06/2015 of concerned M.O. stating that there are only 03 more mines in 500 meters around the said mine with cumulative lease area of 8.69 Ha only.

This case was discussed in 213th SEAC meeting dated 08/08/2015 wherein considering the revised certificate of MO 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 :-Aø

- Production of stone boulder shall be as per the approved mining plan restricted to 20000 cum / Year.

SEIAA in its 233<sup>rd</sup> meeting dated 04/09/2015 stated that the site is very close to pakka road and lease area is triangular in shape. The case may be reverted to SEAC for a site visit and

ascertaining the veracity of cluster situation as two certificates are provided by the mining officer. As decided, Shri K.P Nyati and Shri M.K. Joshi, Member SEAC visited the site on 21/12/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer MP Pollution Control Board, Bhopal and Shri Sanjay Patni, mine owner were also present.

As per inspection report it is observed that:

*“PP had earlier submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. It was reported by the concerned Mining Officer of mining department vide letter no. 365 dated 6/4/2015, that several mines are operating / proposed within 500 meter radius around the said mine and the total lease area is more than 25 Ha. However later on PP has submitted a revised certificate vide letter no. 595 dated 29/06/2015 of concerned M.O. stating that there are only 03 more mines in 500 meters around the said mine with cumulative lease area of 8.69 Ha only.*

*This is a mine lease of Stone boulder in an area of 2.50 ha for production capacity of 20,000 cum/year. The site is approx. 6.00 Kms away from the Betma – Depalpur Highway. Village-Dhureri is approx. 06 kms away from the site and another village namely Sejwani is approx. 10.00 Kms away from the site. No water body was seen in the nearby area except an old mined out pit which had water at the time of inspection. The water requirement will be meet from the nearby villages through water tankers and also from the existing old mined out pit. The topography of the site is flat and mining is proposed below the ground level including some portion of hilly area. No village could be seen near the site. A crusher of approx. 50 tones / hour is also installed within the ML area and was under maintenance at the time of inspection. One mined out pit was seen in the ML area adjacent to the road which was having rain water in it. PP submitted that this rain water in the pit will be utilized for the mining operations.*

*Following observations are made after site visit:-*

- 1. The mine site is very close to the village road.*
- 2. There are several other operational mines which can be seen in the nearby area.*
- 3. No mining activities were carrying out at the time of inspection at this site.*
- 4. Water tankers, other machinery and administrative office required for the mining, do exist on the site.*

### **RECOMMENDATIONS**

*As evident from the above it is clear that Mining Officer has submitted two certificates and the details are as follows:-*

- (a) Mining Officer vide letter no. 365 dated 6/4/2015, that several mines are operating / proposed within 500 meter radius around the said mine and the total lease area is more than 25 Ha.*
- (b) Mining Officer revised certificate vide letter no. 595 dated 29/06/2015 stating that there are only 03 more mines in 500 meters around the said mine with cumulative lease area of 8.69 Ha only.*

*Since two different certificates are provided by the mining officer in this case, thus it is proposed that PP may be asked to provide fresh certificate of mining officer duly authenticated by the Regional officer, Regional office, Directorate of Geology and Mining, Indore for further consideration of this project.*

The report of committee was discussed in the 256<sup>th</sup> SEAC meeting dated 03/01/2016 and after deliberations; committee decided that PP may be asked to submit desired information as suggested by the sub-committee for further consideration of the project.

The PP vide letter dated 17/05/2016 submitted the fresh Mining officer certificate certificate vide letter no. 34 dated 11/01/2016 stating that there are only 03 more mines in 500 meters around the said mine with cumulative lease area of 8.69 Ha only and the same is authenticated by the Regional Head, Directorate of Geology and Mining M.P, Regional Office, Indore which was placed before the committee.

The case was presented by the PP and their consultant which further submitted that there are only 03 mines existing within 500 meter radius and the total area is only 8.69 ha and thus cluster situation is not applicable in this case. During presentation it was also observed that the lease is just adjacent (10 meters away) to the pucca village road thus committee decided that the PP may be asked to leave 50 meters area from the QL and in this area extensive plantation be carried out. 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

- Production of Stone as per mine plan with quantity not exceeding 20,000 Cum/Year.

- Pucca Village Road is about 10 meters away from the QL area thus a setback of 40 meters be left from the QL area.
- Extensive plantation should be carried out in the QL area adjacent to the village road.

**18. Case No. 658/2011 Mr. P. C. Jain, M/s Eastern Minerals, Reg. Off. – 35, Vivekanand Marg, Cantonments, Jhansi (U.P.) 284001 - Khera (2) Expansion Case: Pyrophyllite – From 2000 MTPA to 6000MTPA & Diaspore – from 100 MTPA to 300 MTPA, Area – 7.04 ha. ( Existing Capacity - Pyrophyllite – 2000 MTPA, Diaspore – 100 MTPA, Area – 7.04 ha ) at Khasra No. 1354/1, 1201, Village – Khera ,Tehsil- Jatara , Distt.- Tikamgarh ( M.P.) For – EIA Presentation. ToR issued vide letter no. 72 dt. 29/02/12, Env. Consultant: Creative Enviro Services, Bhopal(M.P.) Existing EC issued by MoEF vide letter no. J-11015/86/2006-IA.II(M) dated 14/08/2007.**

This is a case of expansion of mining project proposed in an area of 7.04 Ha. at *Khasra No. 1354/1, 1201, Village – Khera ,Tehsil- Jatara , Distt.- Tikamgarh ( M.P.)*. Mining of Pyrophyllite and Dispore is being carried out presently. Project has valid EC issued by MoEF, Delhi. The case has been submitted for revised EC in view of proposed enhancement in the production capacity. TOR was issued vide letter dated 13/01/2012. The mine lease is adjoining the lease area of other mine of the same proponent mentioned at Case no. 658/2011.

EIA report submitted by the PP was received through SEIAA for appraisal. EIA and EMP were presented by the PP and his consultant. The same were discussed at length in the meeting. Public hearings proceedings were also discussed in detail during the meeting. The submissions and presentation made by the PP and his consultant reveals following:

Nearest City	Tikamgarh 18 km from Mine
Nearest Railway Station	Niwari 70 km from lease area.
Nearest Airport	Khajuraho 165 km from the mines by road
Nearest Highway	Tikamgarh-Jhansi NH-12 is 14 km from mine.
Nearest Village	Khera at 400m
Nearest River	Jammi River 6.8 km
Topography	Mount shape
Ecological Sensitive Zone	No national parks and sanctuary within 10 km

	radius
Nearest Industries	None within 10 km radius
Inter state boundary	More than 10 km.

**Location**

District/State	Tahsil	Village	Khasara No.	Area	
Tikamgarh (MP)	Jatara	Khera	1354/1, 1201	7.04 ha	Lat: 24°53' 11.41" to 24°53' 11.53"N Long: 78°47' 51.22 " to 78°48' 50.16 " E
			Total	7.04 ha	

**Breakup of Project Cost**

Capital Investment		
S.No.	Particular	Expense (in Lacs )
1.	Land	8.18
2.	Mining	4.97
A.	Cost for infrastructure, tools, equipments & Mining Plan etc.	11.09
3.	Environmental Protection	1.03
A.	Pollution Control (check dam, garland drain protective bund etc.	2.09
B.	Tarpaulin Control cover for stack of ore	0.86
4.	Occupational Health & Safety	0.97
A.	Infrastructure & PPEs	0.34
	Total Capital Investment	29.53

**Salient feature of 2 km radius**

- Khera Village is 400 m from mine site.
- Gram Panchayat Bhavan Khera.
- Three Other Mine of diaspore & pyrophyllite.
- Primary School Khera.
- Barwaha Village is 1.8 km in South direction.

**Minerals & Capacity**

Proposed: - Pyrophyllite – 6000 MTPA, Diaspore – 300 MTPA

Existing: - Pyrophyllite – 2000 MTPA, Diaspore – 100 MTPA

**Existing land use of lease area**

Particulars	Area in (ha)
Pits and Quarries	0.422
Dumps	0.126
Existing plantation	1.36
Haul Road	0.376
Stack yard	0.022
Rest Shelter	0.005
Balance Undisturbed area	4.66
Total	7.04

**Mining Method**

Expansion in mining shall be carried out opencast semi mechanized method with conventional hand tools, drilling & blasting in being carried out occasionally. Pyrophyllite is being exploited manually, loaded in trucks/dumpers & stack in the stack yard, sorting, sizing, dressing and breaking is being carried out manually. A different grade of Phyrophyllite is being stack separately and transported to Newari, where grinding unit has been installed. All the muck lying on the pit bottom and waste dump lying the surrounding the quarry will be relocated on these marked dumping area. The waste will be dumped separately over the existing dumping ground.

**Water Requirement**

Head	Quantity
Dust suppression	5.0 kld
Green belt	1.5 kld
Domestic	1.5 kld
Total	8.0 kld

Source: It was submitted that the required water will be taken from existing mine pits.

The case was earlier discussed in the 137<sup>th</sup> SEAC meeting dated 24/07/2013 wherein it is recorded that PP has submitted a copy of compliance report for compliances of the EC conditions; it was informed that the same has also been submitted to the R.O of MoEF. Point-wise compliances of the existing EC were presented and discussed in the meeting however, the validation of the same has not been received from R.O. MoEF. The EIA report, EMP and Public Hearing commitments and the compliance of the existing EC as submitted and presented by the PP are satisfactory and acceptable. Hence committee decided to **recommend** the case for grant of prior EC subject to the following special conditions:

- Any condition which may be laid by the R.O. MoEF shall be complied with.
- Top soil shall be staked separately and shall be used for plantation only.
- Maximum height of the OB dumps shall be restricted to 20 meters with appropriate angle of repose.
- Appropriate garland drain all around the OB dumps shall be constructed and connected to settling tank.
- Drinking water quality should be ensured as per IS 10500.
- The nearby temple has to be maintained by the PP.
- The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.

SEIAA vide letter no. 1772/SEIAA/16 dated 01/06/2016 has forwarded the compliance report of EC conditions for re-appraisal of the recommendations made in their 137<sup>th</sup> meeting dated 24/07/2013 which was placed before the committee.



The case was presented by the PP and their consultant wherein EIA report, EMP and Public Hearing commitments and the compliance of the existing EC conditions as submitted and presented by the PP are satisfactory and acceptable. It was observed by the committee that MoEF&CC,GOI has issued the compliance report vide letter no. 3-36/2007(ENV)/428 dated 02/05/2016 wherein it is mentioned that “ *it is inferred from the above that the implementations of environmental safeguards same are found satisfactory and some compliance are in improvement stage are to be taken as per stipulations and fully complied with PA has been advised for implementation is to be taken up in the spirit of EC compliances and most care is to be given to the vital conditions like top soil management, reclamation and ground water monitoring, green belt development, drains preparation and submission /uploading of six monthly compliance reports as per the stipulations*”. 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. Maximum height of the OB dumps shall be restricted to 20 meters with appropriate angle of repose.
7. Appropriate garland drain all around the OB dumps shall be constructed and connected to settling tank.
8. The nearby temple has to be maintained by the PP.
9. The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.
10. Production shall be as per the mining plan not exceeding for Pyrophyllite ó 6000 MTPA and Diaspore ó300 MTPA.
11. The proposed plantation should be carried out along with the mining and PP would maintain the plants including casualty replacement.

12. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
13. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. The 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.

**19. Case No. – 1641/2013 Shri Prabhakar Mishra (Owner) 336/14, Civil Line Road, Tikamgarh, Distt.- Tikamgarh (M.P.) – 472001. Nandanwara Pyrophyllite and Diaspore Ore Mines Lease Area – 8.640 ha., at Khasra No.- Part of 1,3 and 10, Vill.- - Nandanwara, Teh.- – Mohangarh (Jatara), Distt. – Tikamgarh (M.P.) Capacity – 7000 - TPA**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.- Part of 1,3 and 10, Vill.- - Nandanwara, Teh.- ó Mohangarh (Jatara), Distt. ó Tikamgarh (M.P.) 8.640 ha. The project requires prior EC before commencement of any activity at site.

Today, Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 214<sup>st</sup> SEAC meeting dated 20/08/2015 and 261<sup>st</sup> SEAC dated 08/01/2016. Committee decided that last chance should be given to the PP for appraisal and consideration of the project even if PP remain absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**20. Case No.5237/15 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 7.000 ha. (130000 cum/year) at Khasra no.-01, Village-Nachan Kheda, Tehsil - Burhanpur, Dist. Burhanpur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-01, Village-Nachan Kheda, Tehsil - Burhanpur,

Dist. 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 dated: 08/04/2015 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 the submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Bø

- Production of Sand as per mine plan with quantity not exceeding 1,30,000 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.
- 15 meter area should be left from the eastern bank to avoid bank erosion.

**21. Case No.-880/2012 M/S Laxmi Gour Marble (P) Ltd. R.M. Lohia Ward 8, Satyam Compound, Nadi paar Katni (M.P.) Environment Clearance for production of Marble (2340 cubic Meter/Year) for existing quarry (1.17 Ha) M/s. Laxmi Gour Marble (P) Ltd. at Vill. Chhapra, Tehsil – Bahoriband, Dist Katni (M.P.). (EIA)**

This is a case pertaining to mining of Marble in a quarry area of less than 5 ha. The project is covered under category 1 (a) of the notification and was forwarded by SEIAA to SEAC for scoping and appraisal.

**Approach of the mine:**

The lease area is located about 61.5 Km. North East of Jabalpur and 31.5kms South West of Katni. Village Chhapra is 30.0kms from Katni on NH-7 and the lease area is distance of 1.5kms connected by rural road. The lease hold area is located between Latitude 23°35'50.3" N to 23°35'54.1" N and Longitude 80°12'30.4" E to 80°12'35.2" E.

**Life of the mine:**

The expected life of mine is 6 years with proved Marble reserves of 19,099 Cum . The estimated capital cost for the mining project including utilities off site, auxiliary services etc. is about Rs. 1 Crore.

**Method of mining**

The topography, shallow depth of the marble reserves, nature of intercalated waste, production requirement are the basis to adopt mechanized opencast mining utilizing earth moving machineries like hydraulic shovels, tippers/dumpers/truck trailers, derrick crane/frontend loaders, wire saw machines, air compressors, rock drilling machines, DG set, transformers etc.

**Topography, Drainage and land use**

- Topography of the area is gentle to moderate undulating rolling topography, having slope towards South-East. Highest elevation of the area is 416 m situated along the boundary of the area whereas lowest elevation of the area is 415 m. in South Eastern boundary of the area thus total elevation difference is of 1m.
- The lease area is drained by Southern flowing non perennial nallas originating from foot hills Kymore range confluence in Hiran river at a distance about 12 Km. in south west direction.
- Climate: The average rainfall is about 1,370mm (53.9 in). It decreases from East to West. The South-Eastern districts have the heaviest rainfall, some places receiving as much as 2,150 mm (84.6 in), while the Western and North-Western districts receive 1,000 mm (39.4 in) or less.

**Land use**

Area in hectare

S.No.	Particulars	Existing land use pattern	After five years	At the end of Mine life
1.	Mining Pits	0.8621	0.9346	0.950
2.	Storage for Top Soil	Nil	Nil	Nil
3.	Overburden	Nil	Nil	Nil
3.	Infrastructure	0.0184	0.0184	Nil
4.	Roads	0.010	0.010	Nil
5.	Green Belt **	Nil	Nil	0.275
6.	Plantation inside lease area **	Nil	Nil	Nil
7.	Plantation on waste dump**	Nil	Nil	Nil
8.	Water Reservoir **	0.30	0.50	0.400
9.	Reclamation ** (Backfilled)	Nil	0.400	0.55
10.	Total Used Area	<b>0.8905</b>	<b>0.963</b>	<b>0.95</b>
11.	Total Unused Area	<b>0.1295</b>	<b>0.057</b>	<b>0.07</b>
	Total	<b>1.02</b>	<b>1.02</b>	<b>1.02</b>

The case was presented by the PP and their consultant in the 109<sup>th</sup> SEAC meeting dated 06/11/2012 wherein PP and his consultant presented the salient features of the project with location aspects. After deliberations committee had decided to issue the standard TOR as issued in other mining projects. The project shall be appraised as per the policy decided by the SEIAA under the category B-1. Hence PP shall carry out the EIA study as per the issued TOR and shall submit the draft EIA to the concerned authority for Public Consultation. The final EIA / EMP shall be submitted to the SEIAA after incorporating the Public Hearing Issues:-

- This mine is adjoining with the two other proposed mines (Case No. 878/2012 and 881/2012) hence cumulative EIA and impacts to be studied with separate reports and

EMP to be submitted for all the three mines. Hydro-geological studies to be taken up in the region.

- As the three mines belong to the same owner and located in the same village a common Public Hearing can be allowed for the three projects (Case No.878/2012, 880/2012 and 881/2012).

The EIA/EMP was presented by the PP and their consultant in the 263<sup>rd</sup> SEAC meeting dated 11/01/2016 wherein after deliberations, PP was asked to submit response on following issues:-

1. Detailed writ up on existing land use of the area and land use after mining.
2. Distance certificate of DFO from the forest boundary.
3. PP's written commitment for maintenance of Panchayat Road.

The query reply was presented by the PP and their consultant where the submission made by the PP were found satisfactory and acceptable and thus 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. Appropriate garland drain 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 Marble 2167 cubic Meter/Year.

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.

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

**(Prashant Shrivastava, Member )**

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

**( Dr.NavinChandra, Chairman )**

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

Annexure- 'A'

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

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