

The 65<sup>th</sup> meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 17<sup>th</sup> January, 2017 under the Chairmanship of Dr. Navin Chandra for discussion on the query responses submitted by the PP and the projects issues received from SEIAA. The following members attended the meeting-

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

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

1. **Case No. – 2660/2015 Shri Sagar Raj Gurjar C/o Jai Shri Balaji Mines & Minerals, Govardhan Vilas, Valicha By Pass, Udaipur (Rajasthan)-313002 Makdawan Laterite Mine Lease Area - 14.20 ha., Capacity - 2,00,000 TPA, at Khasra no.-397 P, Vill.-Makdawan, Teh.-Shamgarh, District-Mandsaur (MP) [Envi. Consultant: M/s udaipur min-tech. Pvt. Ltd. Udaipur (raj.)]**

This is a case of Makdawan Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-397 P, Vill.-Makdawan, Teh.-Shamgarh, District-Mandsaur (MP) 14.20 ha. The project requires prior EC before commencement of any activity at site.

As per the above, the TOR was issued to the PP vide letter no. 770 dated 08/07/2015. PP has submitted the EIA report vide letter dated 06/12/2016 which was forwarded by the SEIAA vide letter no. 4812/SEIAA/16 dated 22/12/2016 and the case was scheduled for presentation.

The EIA was presented by the PP and their consultant. After presentation, PP was asked to submit response on following:

1. Detailed reserve calculations and year wise production details.
2. Input values of modeling data should be provided.
3. Duly verified revised DFO Certificate for 250 meters forest boundary.
4. Dimensions of Garland drain & settling tank which should be overlaid on surface map.
5. Size of the sump to be increased and resubmitted as suggested during presentation by committee.
6. Revised water demand chart wrt no. of tankers, capacity and their frequency.

7. Commitment from the PP that fixed type of sprinklers will be used within mine lease for dust suppression and solar lights and solar pump will be provided. Their commensurate budgetary provisions should be proposed in EMP and submitted.
8. Revised CSR according to the needs of the public as demanded during public hearing and suggested by the committee during presentation.

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

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 587P, at Village Madwa, Teshil- Lavkush Nagar, Distt.-Chhatarpur (M.P.) Of 5.794 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 1326, dated: -30/10/15, has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of-24.53 ha including this mine.

S. No.	Particulars	Details	
		9.50ha	5.794ha
1	Locations		
3.	Village	Madwa	
4.	Tehsil	Lovekush Nagar	
5.	District	Chhatarpur	
6.	State	MP	
7.	Latitude	25 <sup>0</sup> 04'48.9" to 25 <sup>0</sup> 05'03.7"	25 <sup>0</sup> 04'52.4" to 25 <sup>0</sup> 05'06.7"
	Longitude	80 <sup>0</sup> 01'26.4" to 80 <sup>0</sup> 01'39.4"	80 <sup>0</sup> 01'34.1" to

				80°01'44.1"
8.	Nearest National/ state Highway	Bagmau- Bacchan PWD road	1.60km	
9.	Nearest Railway Station	Singhpur Dumra	13.50km	
10.	Nearest Airport	Khajuraho	30.00	
11.	Nearest Tourist Place within 10km radius	None within 10km radius		
12.	Archaeological Important Place within 10km radius.	None within 10km radius		
13.	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius		
14.	Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Silpatpura PF	1.20km - SW	
		Lauri PF	5.50km - N	
		Gurha PF	7.0km - N	
15.	Nearest major city with 100000 population within 10km radius	None within 10km radius		
	Nearest Town / City within 10km radius	None within 10km radius		
17	Nearest Village (km)	Madwa	0.50km- NE	0.03km- E
18	Nearest River/Nalla/pond/ water reservoir	Mohan Nalla	5.50km - SSE	
		Mudiha Ghat Nalla	1.0 km - SE	
			3.50 km - E	
		Khamuwah Nalla	7.00km - SE	
		Sangalri Nalla	8.00km - N	
		Jamnyahi Nalla	5.40km - W	
		Urmal River		

		Local pond	0.04km	- N
19	Nearest Hill Ranges	None within 10km radius		
20	Industries within 10km radius	None within 10km radius		
S. No.	Particulars	Details		
2	Type of Mine	Open Cast		
3.	Mining Lease Area	9.50 ha	5.794ha	
4.	Mineable Area	9.50ha	5.794ha	
5	Elevation MSL	250-215m	237-205m	
6.	Existing Pits & Quarries	2.83ha	0.8020ha	
	Area of pit at the end of conceptual period	8.5855ha	4.9465ha	
7	Existing dumps	1.6255ha	0.5080ha	
	Area of dumps at the end of conceptual period	Nil	Nil	
8	Method of mining	OTFM		
9	Present Depth of Mining	20mbgl (195m MSL)	2m bgl (203m MSL)	
	Ultimate depth of mining	30mbgl (185m MSL)	25m bgl (180m MSL)	
10	Lease Period	30 year upto 2028		
11	Mine life as per mining scheme	14 year	12year	
12	Thickness of sandy soil			
	Minimum	0.0m	0.0m	
	Maximum	1.0m	1.0m	
13	Existing mode to transportation	Road		
14	Existing plantation	Nil	Nil	

	Proposed plantation in conceptual period	2.00ha	1.50 ha
16	Area to be reclaimed by waste	0.2025ha	0.50ha
17	Area to covered under water reservoir	7.45ha	3.9465ha
18	Water table		
	Post monsoon	60m bgl (155 m MSL)	50m bgl (155 m MSL)
	Pre monsoon	65m bgl (150m MSL)	55m bgl (150m MSL)

It was reported by the PP that

- The lease area of 5.794 hectares was originally granted in favour of M/s Kisan minerals Pvt. Ltd. for 30 year from 10.07.1998 to 09.07.2028
- 5 other lease area are located within 500m radius, and total area is 24.50ha. Remaining quarries other 5.794 and 9.50 ha have already obtained EC
- The scheme of mining with progressive mine closure plan has been approved by DGM,
- Mine is running with valid consent to operate with production capacity of 24000 cubic meter per year.

S. No.	Particulars	Details	
1	Type of Mine	Open Cast	
2.	Mining Lease Area	<b>9.50 ha</b>	<b>5.794ha</b>
3.	Mineable Area	9.50ha	5.794ha
5	Elevation MSL	250-215m	237-205m
6.	Existing Pits & Quarries	2.83ha	0.8020ha
	Area of pit at the end of conceptual period	8.5855ha	4.9465ha
7	Existing dumps	1.6255ha	0.5080ha
	Area of dumps at the end of conceptual period	Nil	Nil
8	Method of mining	OTFM	

9	Present Depth of Mining	20mbgl (195m MSL)	2m bgl (203m MSL)
	Ultimate depth of mining	30mbgl (185m MSL)	25m bgl (180m MSL)
10	Lease Period	30 year upto 2028	
11	Mine life as per mining scheme	14 year	12year
12	Thickness of sandy soil		
	Minimum	0.0m	0.0m
	Maximum	1.0m	1.0m
13	Existing mode to transportation	Road	
14	Existing plantation	Nil	Nil
	Proposed plantation in conceptual period	2.00ha	1.50 ha
16	Area to be reclaimed by waste	0.2025ha	0.50ha
17	Area to covered under water reservoir	7.45ha	3.9465ha
18	Water table		
	Post monsoon	60m bgl (155 m MSL)	50m bgl (155 m MSL)
	Pre monsoon	65m bgl (150m MSL)	55m bgl (150m MSL)

### Land Use Pattern

Items	Existing	At the end of conceptual period
<b>Total lease area</b>	<b>9.50 ha</b>	
Ultimate depth of mining	20m bgl (195mRL)	30m bgl (185 mRL)
Area under dumps	1.6255 ha	Nil
Area under pits	2.83 ha	8.585 ha
Afforestation	Nil	2.0 ha

Road	0.10ha	0.2ha
Infrastructure	Nil	Nil
Area fully rehabilitated through water body	0.50ha	7.45ha

*“Earlier this case was presented by the PP and their consultant in 34<sup>th</sup> SEAC-II meeting dated-25/06/2016 where it was recorded that being Granite Quarry their project be considered as B-2 category as this is case of minor minerals falls in B-2 category. The committee after presentation decided that the lease area is of this mine is 5.794 ha but concerned mining officer vide letter no. 1326, dated: -30/10/15 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 24.53 ha including this mine, PP should submit a comprehensive EMP through QCI/NABET accredited consultant addressing following issues:-*

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

PP has submitted the EMP vide letter dated: 03/01/2017.

The case was presented by the PP and their consultant wherein 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 Granite as per mine plan with quantity not exceeding 8,580 cum/year.
- 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.
- PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.

- The proposed plantation should be carried out along as per the submitted proposal and PP would maintain the plants for five years including casualty replacement.
- The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
- Transportation shall not be carried out through forest area.
- Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
- PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

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

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-587P, Village-Madwa, Tehsil-Lavkush Nagar, District- Chhatarpur (MP) 9.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and RFO. Concerned Mining Officer vide letter no. 1327 dated: 30/10/2015 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 24.50 ha including this mine.

S. No.	Particulars	Details	
		9.50ha	5.794ha
1	Locations		
3.	Village	Madwa	



4.	Tehsil		Lovekush Nagar	
5.	District		Chhatarpur	
6.	State		MP	
7.	Latitude		25 <sup>0</sup> 04'48.9" to 25 <sup>0</sup> 05'03.7"	25 <sup>0</sup> 04'52.4" to 25 <sup>0</sup> 05'06.7"
	Longitude		80 <sup>0</sup> 01'26.4" to 80 <sup>0</sup> 01'39.4"	80 <sup>0</sup> 01'34.1" to 80 <sup>0</sup> 01'44.1"
8.	Nearest National/ state Highway	Bagmau- Bacchan PWD road	1.60km	
9.	Nearest Railway Station	Singhpur Dumra	13.50km	
10.	Nearest Airport	Khajuraho	30.00	
11.	Nearest Tourist Place within 10km radius	None within 10km radius		
12.	Archaeological Important Place within 10km radius.	None within 10km radius		
13.	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius		
14.	Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Silpatpura PF	1.20km - SW	
		Lauri PF	5.50km - N	
		Gurha PF	7.0km - N	
15.	Nearest major city with 100000 population within 10km radius	None within 10km radius		
	Nearest Town / City within 10km radius	None within 10km radius		
17.	Nearest Village (km)	Madwa	0.50km- NE	0.03km- E
18.	Nearest River/Nalla/pond/ water	Mohan Nalla	5.50km - SSE	
		Mudiha Ghat Nalla	1.0 km - SE	

	reservoir	Khamuwah Nalla	3.50 km	- E
		Sangalri Nalla	7.00km	- SE
		Jamnyahi Nalla	8.00km	- N
		Urmal River	5.40km	- W
		Local pond	0.04km	- N
19	Nearest Hill Ranges	None within 10km radius		
20	Industries within 10km radius	None within 10km radius		

It was reported by the PP that

- The lease area of 9.50 hectares was originally granted in favour of M/s Kisan minerals Pvt. Ltd. for 30 year from 10.07.1998 to 09.07.2028
- 5 other lease area are located within 500m radius, and total area is 24.50ha. Remaining quarries other than 5.794 and 9.50 ha have already obtained EC
- The scheme of mining with progressive mine closure plan has been approved by DGM,
- Mine is running with valid consent to operate with production capacity of 24000 cubic meter per year.

S. No.	Particulars	Details	
2	Type of Mine	Open Cast	
3.	Mining Lease Area	<b>9.50 ha</b>	<b>5.794ha</b>
4.	Mineable Area	9.50ha	5.794ha
5	Elevation MSL	250-215m	237-205m
6.	Existing Pits & Quarries	2.83ha	0.8020ha
	Area of pit at the end of conceptual period	8.5855ha	4.9465ha
7	Existing dumps	1.6255ha	0.5080ha
	Area of dumps at the end of conceptual period	Nil	Nil

8	Method of mining	OTFM	
9	Present Depth of Mining	20mbgl (195m MSL)	2m bgl (203m MSL)
	Ultimate depth of mining	30mbgl (185m MSL)	25m bgl (180m MSL)
10	Lease Period	30 year upto 2028	
11	Mine life as per mining scheme	14 year	12year
12	Thickness of sandy soil		
	Minimum	0.0m	0.0m
	Maximum	1.0m	1.0m
13	Existing mode to transportation	Road	
14	Existing plantation	Nil	Nil
	Proposed plantation in conceptual period	2.00ha	1.50 ha
16	Area to be reclaimed by waste	0.2025ha	0.50ha
17	Area to covered under water reservoir	7.45ha	3.9465ha
18	Water table		
	Post monsoon	60m bgl (155 m MSL)	50m bgl (155 m MSL)
	Pre monsoon	65m bgl (150m MSL)	55m bgl (150m MSL)

*“Earlier this case was presented by the PP and their consultant in 34<sup>th</sup> SEAC-II meeting dated-25/06/2016 where it was recorded that being Granite Quarry their project be considered as B-2 category as this is case of mineral minerals falls in B-2 category. The committee after presentation decided that the lease area is of this mine is 9.50 ha but concerned mining officer vide letter no. 1327 dated: 30/10/2015 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 24.50 ha including this mine, PP should submit a comprehensive EMP through QCI/NABET accredited consultant addressing following issues:-*

- a. *Management and disposal plan of OB.*
- b. *Surface plan showing location and size of settling tanks and garland drains.*

c. *Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.*

d. *Top soil management plan be discussed in the EMP.”*

PP has submitted the EMP vide letter dated: 03/01/2017.

The case was presented by the PP and their consultant wherein 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 Granite as per mine plan with quantity not exceeding 24,000 cum/year.
- 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.
- PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
- The proposed plantation should be carried out along as per the submitted proposal and PP would maintain the plants for five years including casualty replacement.
- The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
- Transportation shall not be carried out through forest area.
- Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
- PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- 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.

**4. Case No.-5280/2016 M/s Murlidhar Minerals, 316, Shri krishna Apartment, Khare Town, Dharampeth, Nagpur – 440010 Prior Environment Clearance for Dolomite Mine**

**in an area of 9.595 ha. (7,00,000 MTPA) at Khasra No. 86 Village-Malegaon, Tehsil - Sausar, Dist. Chhindwara (MP).**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 86 Village-Malegaon, Tehsil - Sausar, Dist. Chhindwara (MP) 9.595 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.-283 dated: 24/02/16, has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 42.148 ha including this mine.

Particulars	Details
Locations	
Village	Malegaon
Tehsil	Sausar
District	Chhindwara
State	MP
Nearest National/state Highway	Chhinwara - Nagpur SH 19 - 6.0 km - SW
Nearest Railway Station	Sawanga Railway Station - 4.75 km - NW
Nearest Airport	Nagpur -42.75km
Nearest Tourist Place	None in 10 km radius
Archaeological Important Place	None in 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None in 10 km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Khapa Podri RF - 60m - S Pareghat RF - 3.50km - N Sapghota RF - 4.50km- - N
Nearest major city with 100000 population	None
Nearest village	Malegaon - 1.75 km - NE
Nearest Town	Savner - 13.50 km
Physiography	Hilly
Elevation	384-330 mRL
Slope	Radial

Nearest River	Jam River – 6.0 km – NW Kanhari River – 1.0km – N
Nearest nalla/ pond/canal	Khekra Reservoir – 4.25 km - NE Khekra Nalla - 2.75 km – ENE Local Nalla – 1.0km- NW Local Nalla - 1.50km - S
<b>Geology and deposit appraisal</b>	
Local geology	The dolomite and associated formation in the region belongs to Sausar series. The whole dolomite with other variety of impure dolomite are exposed as no. of places in chhindwara and seoni district of M.P. The area is having undulating topography in the form of small hillock in the centre of the lease area and sloping around 384m. MSL in NNW and 330m . towards east, thus the difference of level is 54m.
Lithology	Soil/OB – 0.6 to 1.0m Dolomite – 0.0 m to 50 m and continue Physical Property of the Dolomite - Colour- White to off-white . Form/Texture – Massive Lustre- Vitreous Streak- White , Hardness – Bout- 3 Specific Gravity – 2.5
Lease area	9.595 ha
Mineable area	8.15ha
RL	384 to 330mRL
Height of bench and no of bench	OB – 0.5m – 1no Dolomite - 4 to 6 m and 6no.
Width of bench	32m to 150m
haulage, quarry road gradient	1:16
Mineral reject	Nil
Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	9.595 ha
Existing Pits & Quarries	0.29 ha
Existing Dumps	Nil
Infrastructure and road	Nil

Plantation	0.01ha
Total geological Reserve	74,10625 MT
Total Minable Reserve	31,09,100 MT
Method of mining	OTFM
Ultimate Depth of Mining	Upto surface level (330mRL)
Expected Life of Mines	7 years
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	1.4450ha
Area covered under pit in conceptual period	8.15ha
Area to be reclaimed till conceptual period	Nil
Area to be rehabilitated by afforestation in conceptual period	5.50 ha
Area to be covered under water reservoir	2.20 ha
Ground water table	
Post Monsoon	20mbgl (310 mRL)
Pre-monsoon	25m bgl (305m RL)
Production per day(T)	2333MT
Truck per day (24t)	97nos
End user of mineral	Steel, fertilizer and tiles industries
Supply location	All over India
Cumulative production of other mine	555MT

Earlier this case was discussed in 47<sup>th</sup> SEAC-II meeting dated: 27/08/16 wherein it was recorded that: *The case was presented by the PP and their consultant in the 41<sup>st</sup> SEAC II meeting dated 26/07/2016. During presentation it was informed to the PP that as per MO certificate it's a case of TOR as the total area of leases within 500 meters is >25.00 ha. PP informed that as per the recent notification of GOI, MoEF&CC dated 01/07/2016 all the mining leases for which mine lease or query license is granted before 09/09/2013 will not become the part of cluster.*

*The copy of above notification was made available to all the members of the committee for perusal. In the GOI, MoEF&CC notification dated 01/07/2016 it is stated that “A cluster shall be formed when the distance between the peripheries of one lease is < than 500 meter from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or query license granted on and after 09/09/2013”.*

*Thus committee after deliberations decided that PP should submit revised mining officer certificate clearly stating the number of leases within 500 meters of the periphery of this lease on Khasra map showing the details of all the other leases and their relevant information in following format:*

<i>Sl. No.</i>	<i>Name &amp; details of leases</i>	<i>Khasra No.</i>	<i>Area of lease</i>	<i>Name of the minerals and their production capacity</i>	<i>Lease Sanctioned order &amp; date. (please attach copy of lease sanction order)</i>	<i>Present status of lease i.e. operative/propose d/non-operative. If non-operated duration from when it is non-operative with order (if any).</i>	<i>Present status of lease i.e. EC granted/ EC applied. If EC granted-date of EC should be mentioned. (Please attach copy of EC letter.)</i>

*The above certificate should be issued by mining officer which should be duly verified /authenticated by the Director, Geology and Mining or their concerned Regional Officer, Geology and Mining for further consideration of the project.*

*The PP has submitted the above information vide letter dated 03/08/2016 which was placed before the committee. PP submitted that there are 06 leases including their own within 500 meters out of which EC has been granted to 04 of the mines (including this mine) during 2011 and 2012 and have enclosed the copies of EC letter. PP has further submitted that the leases of all the above six mines were sanctioned prior to the 09/09/2013 and have submitted the certificate issued by the Mining Officer vide letter no. 1097 dated 03/08/2016 with copies of issued individual lease sanctioned orders.*



*The case was scheduled for discussion on above grounds. Committee on perusal of file and documents observed that this lease was sanctioned vide order no. F3-80 dated 04/04/1994 and further renewed vide office orders dated 25/07/2003 and 12/09/2013 which is prior to the 09/09/2013 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016. The committee after deliberations decided that since the lease of mine is >5.00 ha (9.595 ha) and being the case in now treated as non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 and PP may be asked to submit a comprehensive EMP through **QCI/NABET accredited** consultant addressing following issues:-*

- a. Management and disposal plan of OB.*
- b. One month monitoring should be carried out for air, water and noise pollutants.*
- c. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radios.*
- d. Existing scenario of site should be discussed in the EMP in detail.*
- e. EMP should be supplemented by the recent photographs of the site.*
- f. Details of existing facilities and machineries available on site should be discussed in the EMP.*
- g. Geo-mining Technical Status of the lease wrt to insitu reserve, proved reserve, possible reserve, probable reserve, already mined out mineral and balance mineral with life of the mine.*
- h. Year wise production details since 1994.*

Today this case was again placed in agenda for EMP Presentation as PP has submitted the EMP vide letter dated: 28/12/2016 which was placed before committee. The case was presented by the PP and their consultant wherein thick green cover was observed as per the Google image in the lease area. PP submitted that these are shrubs and they have attached the photographs in the EMP & presentation and trees are not in existence in the lease area. During presentation and discussion committee recommends that the evacuation of mineral should not be done through the road passing all the way through the nearby villages i.e Malegoan, Savanga & Lohani and alternate route (approx. 8.5 K.M) as proposed by the PP during presentation should be used for the evacuation of the minerals. During presentation it was also observed that PP has also obtained Commissioner Level Committee approval as the lease was within the 250 meters of forest boundary. 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 Dolomite as per mine plan with quantity not exceeding 6,99,750 TPA.

- 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.
- PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
- The proposed plantation should be carried out along as per the submitted proposal and PP would maintain the plants for five years including casualty replacement.
- The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
- Transportation shall not be carried out through forest area.
- The evacuation of mineral should not be done through the road passing all the way through the nearby villages i.e Malegoan, Savanga & Lohani and alternate route (approx. 8.5 K.M) as proposed by the PP during presentation should be used for the evacuation of the minerals.
- Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
- PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- The conditions stipulated by the Commissioner Level Committee in their meeting dated 05/06/2013 should be complied by the PP.
- 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.

**5. Case No.-5426/2016 Smt. Preeti Khanuja, Main Road Dindori, Teh. Dindori, Dist. Dindori, MP – 481880 Prior Environment Clearance for Basalt Stone Quarry in an area of 5.6105 ha. (11,760 cum per annum) (Khasra no. 2594/2, 2595/2, 2596/2, 2598/2, 2599/2, 2620, 2621, 2623, 2624, 2625, 2626, 2627, 2628, 2609, 2610, 2611, 2612) at Village-Madiyaras, Tehsil - Dindori, Dist. Dindori (MP)**

This is case of Basalt Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 2594/2, 2595/2, 2596/2, 2598/2, 2599/2, 2620, 2621, 2623, 2624, 2625, 2626, 2627, 2628, 2609, 2610, 2611, 2612) at Village-Madiyaras, Tehsil - Dindori, Dist. Dindori (MP) 5.6105 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.-739, dated: 16/12/15, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant where it was observed by the committee that according to the Google image of April 2014, based on the co-ordinates provided by the PP that a natural drain is in exits at a distance of 30 mts from the a corner of the QL area thus was asked to leave additional 20 mts from the lease excluding the 7.5 mts buffer zone. PP proposed that 20 meter area will be left as no mining area and submitted revised environment management plan map during presentation. 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 Basalt Stone as per mine plan with quantity not exceeding 11,760 Cum/Year.
- Garland drain with settling tank of suitable capacity be provided all around the ML area as proposed by PP in revised environment management plan map.
- A natural drain is about 30 meters away from the QL area thus a setback of 20 meters be left from the QL area excluding the 7.5 meters mandatory buffer zone.

**6. Case No.-5438/2016 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1 South Tukoganj, Indore, MP – 465661 Prior Environment Clearance for River Sand Deposit Quarry in an area of 10.00 ha. (1,00,000 cum per annum) (Khasra no. 1/1) at Village- Rewa Vankhedi, Tehsil - Sohagpur, Dist. Hoshangabad.**

This is case of River Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1/1) at Village- Rewa Vankhedi, Tehsil - Sohagpur, Dist. Hoshangabad 10.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal pramn-patr vide letter no.-403, dated: 23/07/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was placed in 57<sup>th</sup> SEAC-II meeting dated-09/11/2016 wherein it was recorded that: *Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. 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.*

Today, this case was again placed in agenda where PP and consultant were present. And after presentation it was recorded that: The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 1,00,000 cum/year.
2. 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.
3. Evacuation of sand should not be allowed through the roads passing through the villages.
4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
7. No diversion of active channel should be allowed for mining.

**7. Case No. - 5488/2016 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1 South Tukoganj, Indore, MP- 462001 Prior Environment Clearance for Sand Quarry in an area of 11.500 ha. (3,45,000 cum per annum) (Khasra no. 854) at Village- Baghari, Tehsil - Chandala, Dist. Chhatarpur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 854) at Village- Baghari, Tehsil - Chandala, Dist. Chhatarpur (MP) 11.500 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal

pramn-patr vide letter no.-503, dated: 21/04/16, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 24.00 ha including this mine.

The case was presented by the PP and their consultant where it was observed by the committee that as per the Google image of November 2016, some part of lease is submerged in water and entire lease area is calculated for the sand evacuation and no safety margins are left. Thus PP was asked to submit revised operational production map considering above issues for safe and sustainable mining.

**8. Case No.-5491/2016 Shri Sunil Singh, Sub Lessee of MPSMCL, 141, Gram Guda, Gwalior, MP – 452001 Prior Environment Clearance for Sand Deposit Quarry in an area of 24,900 ha. (99,600 cum per annum) (Khasra no. 01) at Village- Dangra(B), Tehsil - Datia, Dist. Datia (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 01) at Village- Dangra(B), Tehsil - Datia, Dist. Datia (MP) 24.900 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal pramn-patr vide letter no.-1005, dated: 10/08/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 60.25 ha including this mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that according to the Google image of Feb.2016, most parts of the lease area is submerged in water. Hence committee after discussion decided to obtain the concerned Collector's opinion regarding submergence of entire lease in river water and whether sand evacuation is possible or not from this lease and PP was also instructed to submit the recent photographs of the site showing the availability of sand duly countersigned by the OIC, MPSMC.

**9. Case No. - 3099/15 - Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12, Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (MP)-461001 Prior E.C for approval of Uchan River Sand Quarry in Lease Area -22.00**

**ha.,Capacity - 1,00,000 cum/year at Khasra No.-1/1, Vill.-Uchan, Teh.-Handiya, District-Harda (MP).**

This is case of Uchan River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-1/1, Vill.-Uchan, Teh.-Handiya, District-Harda (MP) 22.00 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.-13356, dated: 29/9/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in 58<sup>th</sup> SEAC-II meeting dated-10/11/2016 wherein it was recorded that: *this case was discussed in 39<sup>th</sup> SEAC-II meeting dated-14/07/2016 wherein it was recorded that “The case was earlier discussed in the 213th SEAC meeting dated 08/08/2015 wherein it was decided that the project along with the project mentioned as case no. 3354 are located on the downstream of Indira Sagar Dam and these site always remain in water due to back-waters of the dam. Mining activities may not be feasible at these sites. Based on the above facts the cases were recommended for rejection.*

*The case was again discussed in the 253<sup>rd</sup> SEAC meeting dated 18/12/2015 wherein in it is recorded that “However, due to typographical error, downstream was mentioned in place of upstream. As the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water thus the case is not recommended for grant of EC”.*

*SEIAA vide letter no. 2261/SEIAA/16 dated 30/06/2016 has sent back the file to SEAC along with replenishment plan submitted by the PP and duly approved by competent authority.*

*The case was again placed in agenda for the presentation wherein committee observed that this case was discussed earlier in the 253<sup>rd</sup> SEAC meeting dated 18/12/2015 wherein in it is recorded that “However, due to typographical error, downstream was mentioned in place of upstream. As the mine is in the upstream of Indira Sagar Dam and entire mine area is submerged in water thus the case is not recommended for grant of EC”.*

*During discussion PP (Mr. Rohit Gautam, OIC, M.P. State Mining Corporation Ltd) informed that the site is not submerged in the back water of Indira Sagar dam and also submitted that the concerned collector has issued a letter stating that entire site is not submerged in the back water of dam but could not produce the copy of the letter. Thus committee after deliberations decided*

*that PP should submit the copy of the above letter issued by the collector stating that this site is not submerged in the back water of dam.”*

*SEIAA vide letter no. 2261/SEIAA/16 dated 30/06/2016 has forwarded the replenishment plan submitted by the PP. Earlier SEIAA vide letter no. 8998/SEIAA/16 dated 11/12/2015 has forwarded the revised mine plan submitted by the PP.*

*Today, case was again placed in agenda and during presentation by PP and their consultant it was observed by the committee that PP has submitted the Collector's letter issued vide letter dated 09/06/2016 wherein it is informed that at present lease is not affected by the submergence of Indra Sagar Dam then partially submerged in water and is on the upstream of the dam. It is further submitted by the collector that due to the flowing water of Narmada River, the lease area is partially submerged in it and this submergence is increased during rainy season. Committee further observed that as per the Google image of Jan.2016 based on the co-ordinates provided by the PP, the availability of the lease area which is not submerged in water is only 30% and rest 70 % of QL area is submerged in water. Committee observed that as per the revised mine plan only 6.00 ha area is required for the evacuation of 1,00,000 cum/year of sand and with the available 30% area i.e. 6.6 ha which is not submerged in water, the proposed volume of sand evacuation is possible. The other submissions made by PP were found satisfactory and acceptable and thus the committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':*

- 1. Production of Sand as per mine plan with quantity not exceeding 1, 00,000 cum/year.*
- 2. 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.*
- 3. Evacuation of sand should not be allowed through the roads passing through the villages.*
- 4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.*
- 5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.*
- 6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.*
- 7. No diversion of active channel should be allowed for mining.*

*This case is forwarded by the SEIAA vide letter no.-4675 dated: 08/12/2016 stating that: “The replenishment plan submitted by PP has mentioned that annual production capacity of 112000 cum/year shall be easily replenished from the quarry lease area of 22 ha. SEAC in its above observation has pointed out only 30% of quarry lease area is exposed for sand mining and rest 70% is submerged. It appears that PP will resort to in stream mining for achieving the proposed*

*production capacity it has been decided to send the file back to SEAC for reappraisal. They should also call for fresh NOC of the number of mines within 500 m. periphery from the Mining Officer, Harda.*

This case was placed before committee and during discussion OIC, of MPSMC Bhopal Mr. Rohit Gautam has submitted the revised 500 mts certificate of Mining Officer issued vide letter no.-12135 dated: 08/12/16 stating no mine within 500 meters. Committee on perusal of the case file observed as per the minutes of the 58<sup>th</sup> SEAC II meeting dated 10/11/2016 during presentation and discussion Mr. Rohit Gautam, OIC, M.P. State Mining Corporation Ltd) informed that the site is not submerged in the back water of Indira Sagar dam and also submitted that the concerned collector has issued a letter stating that entire site is not submerged in the back water of dam but could not produce the copy of the letter. Thus committee after deliberations decided that PP should submit the copy of the above letter issued by the collector stating that this site is not submerged in the back water of dam.

The above referred letter of Collector, District-Harda issued vide letter no. khaniz/5799 dated 09/06/2016 (submitted by PP vide letter dated 27.07.2016) states that at present lease is not affected by the submergence of Indra Sagar Dam and partially submerged in water and is on the upstream of the dam. It is further submitted by the collector that due to the flowing water of Narmada River, the lease area is partially submerged in it and this submergence is increased during rainy season.

Committee further evaluated the case and observed that as per the Google image of Jan.2016 based on the co-ordinates provided by the PP, the availability of the lease area which is not submerged in water is only 30% and rest 70 % of QL area is submerged in water. Committee observed that as per the revised mine plan only 6.00 ha area is sanctioned for the evacuation of 1,00,000 cum/year of sand and with the available 30% area i.e. 6.6 ha which is not submerged in water, the proposed volume of sand evacuation is possible.

The committee after deliberations decided that file may be sent to SEIAA with clarification that the above recommendations were based on (a) the revised mine plan where only 6.00 ha area is sanctioned for sand evacuation out of 22.00 ha, (b) Google image of Jan.2016 based on the co-ordinates provided by the PP, where the availability of the lease area which is not submerged in water was only 30% and rest 70 % of QL area is submerged in water (c) letter of Collector, District-Harda issued vide letter no. khaniz/5799 dated 09/06/2016 stating that lease is on the upstream of the dam & not affected by the submergence of Indra Sagar Dam and partially submerged in water and (d) photographs submitted by the PP and OIC, MPSMC, Bhopal showing the availability of sand on land. The committee has not considered 70% area which is submerged in water is for evacuation of sand and thus in stream mining is not envisaged.



**DISCUSSION ON QUERY REPLIES SUBMITTED BY PP**

**10. Case No. 2187/14 Shri Kan Singh Rathore, Director, M/s Veer Durgadas Minerals Pvt. Ltd., Rathore House, Near FCI Godown, Chanderia, Chittorgarh (RJ)-302021. Prior Environment Clearance for approval of proposed Limestone Mine in an area of 14.733 ha. Production capacity-5,00,000 TPA, at Khasra no.-39/1, Village-Morka, Tehsil-Jawad, District-Neemuch (MP) [Envi. Consultant: M/s Udaipur min-tech. Pvt. Ltd. Udaipur (raj.)]**

This is case of Lime Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-39/1, Village-Morka, Tehsil-Jawad, District-Neemuch (MP) 14.733 ha. The project requires prior EC before commencement of any activity at site.

The salient features of the project and proposed TOR were presented by the PP and his consultant in the 171<sup>st</sup> SEAC meeting dated 29.01/2015 before the committee. The presentation and submission made by the PP reveals following:

- Mine Lease for mineral Limestone over an area of 14.733 hect. near village – Morka, Tehsil – Jawad & Dist. – Neemuch (M.P.) was granted in favor of Sh. Sunil Kumar Gagrani, S/o. Shri Satya Narayan Gagrani, R/o. 10, Club Road, Neemuch, for a period of 20 years, w.e.f. 29.11.1995.
- The Mining Lease area is part of GT sheet no. 45L/14 & 45L/15.
- Sh. Sunil Kumar Gagrani applied on 07/09/2011 to the State Govt. for the transfer of lease in favour of M/s Veer Durgadas Minerals Pvt. Ltd. under rule 37 of MCR 1960.
- The State Govt. approved the transfer vide letter no. F 3 – 39/2011/12 – 1, dated 12/9/2013 & transfer deed was executed on 04.10.2013, in favor of M/s. Veer Durgadas Minerals Pvt. Ltd.
- The proposed production is 5,00,000 TPA of limestone by Mechanized opencast method.
- Environmental Clearance is required as per EIA Notification dated 14th Sept. 2006.
- The project was considered in 18th meeting of EAC held during 20-21st March, 2014, for the grant of ToR. The committee noted some deficiencies in the proposal & asked to submit the revised Form I & PFR.
- At the time of 1st meeting (20-21st March, 2014), monitoring has been started for proposed project for one season i.e. March 2014 to May 2014 & PP has given the application to MoEF, for considering the monitoring period on dated 1st March 2014 to 31st May 2014.

- It was reported tht the revised Form I & PFR has been submitted to MoEF, New Delhi on 02.08.2014. and presentation was held on 26/08/2014 during the discussion committee informed that as per MoEF notification no. 1331 dated 25 June 2014 the project falls under 'B' category as the interstate boundary of M.P. & Rajasthan falls at a distance of 7.80 Km. Letter from MoEF for transfer of proposal in the M.P. SEIAA.
- The project was again submitted in SEIAA, M.P.
- Monitoring has been done during March 2014 to May 2014.
- It was requested to consider the baseline data for preparation of Draft EIA/EMP report.
- Scheme of mining with PMCP is reported to be under preparation.

### Mine site details

Near village	Morka
Tehsil	Jawad
District	Neemuch
State	M.P.
Lease area	14.733 Hect.
Max. & min mrl within area	Min. 477 Max. 484
Latitude	240 33' 41.60" to 240 34' 02.00" N
Longitude	74 <sup>0</sup> 51' 42.00" to 74 <sup>0</sup> 51' 55.20" E
Toposheet no	45 L/14, 45 L/15

### Features around the project

Nearest town	Morka, 1.0 Km away from lease area.
Nearest railway station	Neemuch – 13.0 Km from lease area
Nearest airport	Udaipur (Dabok) -120 Km.
Archaeological site	No archaeological site within core & buffer zone
Wildlife sanctuary	No wildlife sanctuary within core & buffer zone .

Nearest highway	NH -79 about 6 Km in west direction.
State, national boundaries	State Boundary of Rajasthan & M.P., which is about 7.8 Km in NW direction from the lease area
Nearest RF/PF	PF & RF, near village Bawal – 7.0 Km in NE, from the lease area.
Nearest water bodies	Gambhiri Perennial River – 6.0 Km in N from the lease area.

### Salient features of the project

ML AREA	14.733 HECT.	
Total geological resources as per unfc code	Measured Category (331) – 1.70 Million Tonnes Indicated Category (332) – 2.64 Million tonnes Inferred Category (333 ) – 7.05 Million tonnes	
Mineable reserves	Mineable reserve is based on as per UNFC code 331 & 332 is = 4.34 Million Tonnes	
Proposed production	5.0 Lac TPA of Limestone	
Life of mine	Anticipated life of mine is 9 years. However, inferred category reserve have also been estimated & after exploration of it life of mine increase up to 14 years (i.e. total 23 years)	
Type of land	Govt. Waste Land	
Method of mining	Opencast Mechanized	
Water requirement	10.0 KLD	
	Purpose	Requirement (KLD)
	Drinking & others	1.0
	Suppression of dust	6.0
	Plantation	3.0
	Total	10.0

**Method of mining**

- It is proposed to work the deposit by mechanized open cast method of mining using excavator / dumper combination.
- Benches of 8 m height and 25 – 30 m width will be developed. The slope of benches will be 80°.
- Blast holes of 115 mm will be drilled and blasted using ANFO with booster charge and slurry explosive. Secondary blasting will be carried out as and when required.
- The ultimate depth of mining will be 447 mRL from the surface contour of 480 mRL. (33 mbgl).
- Loading of mineral will be done into tippers with the use of excavator of 2.1 Cum. capacity.
- About 6794 Cum. soil will be generated during next five year period which will be stacked at earmarked site and used for plantation.
- A stone parapet wall & garland drain will be constructed all around the working pit. There is no proposal for backfilling.

**Extent of mechanization**

S. No.	Machinery	Units	Total HP	Capacity
1.	L & T- Komatsu PC 600 Excavator	1	180	2.1 m <sup>3</sup>
2.	Wagon Drill, Atlas Copco 115 mm dia.	1	60	
3.	Tipper, Tata LPK2516	7	145	16 ton
4.	Komatsu Dozer – D 65 E-8	01	165	
5.	Water Tanker, 5 KL capacity	01	40	5 KL
7.	Compressor XAH 450	01	100	450 cfm

After deliberations committee has approved the **TOR** with inclusion of following points:

- Aerial distance of the project boundary from the inter-state boundary duly verified from competent authority.
- Details of nearby allotted / working mines and their distance from project site.
- Existing data can be used in the EIA report with at least one month validation of the data.
- Other standard TOR shall be applicable.

The PP has submitted the EIA report vide letter dated 23/11/2016 which was forwarded by the SEIAA vide letter No. 4496/SEIAA/16 dated 29/11/2016.

Earlier this case was discussed in 63rd SEAC-II meeting dated: 24/12/16 wherein the case was presented by the PP and their consultant where it was observed by the committee that a tar road is passing approx 40 meters away from the sanctioned lease area thus PP was asked to leave additional 10 meters area as non mining area in the lease excluding 7.5 meters buffer zone. After presentation, PP was asked to submit:

1. DFO certificate in the format prescribed by MP, SEIAA should be submitted for distances from National Parks/ Sanctuaries and Forest area.
2. Top soil management plan.
3. Mine water management plan.
4. Revised CSR with commensurate budgetary provisions as suggested by the committee.
5. Input values of prediction model.

PP has submitted the reply of all the above queries rose in SEAC-II meeting, vide letter dated: 13/01/2017 which were placed before the committee. The query reply submitted by the PP was found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special:

- PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.
- Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
- 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.
- Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
- The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
- Production of Lime stone shall be as per the mining plan with quantity not exceeding 5,00,000 TPA.
- The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
- Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
- PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- The commitments made in the public hearing are to be fulfilled by the PP.

- 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.
- PP will comply with all the commitments made in by the letter dated 13/01/2017.

**11. Case No. -5158/16 Shri Omprakash Jat S/o Shri Radhakrishan Jat, Proprietor, Village-Panthpiplai, Tehsil-Ujjain, District-Ujjain (MP)-457779 Prior Environment Clearance for River Sand Quarry in an area of 9.360 ha. (2,808 cum/year) at Khasra no.-1, Village-Panthpiplai, Tehsil-Ujjain, District-Ujjain (MP)**

This is case of River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra no.-1, Village-Panthpiplai, Tehsil-Ujjain, District-Ujjain (MP) 9.360 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 vide letter no.-3212, dated: -10/12/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

The case was presented by the PP and their consultant in the 29<sup>th</sup> SEAC II meeting dated 03/06/2016 wherein as per the Google image of December, 2015 based on the co-ordinates provided by the PP it was observed that most part of the lease area is submerged in water. The committee after deliberations decided that PP may be asked to submit revised production/operational map indicating the area where sand is available with land use plan land use plan of the lease area.

PP vide letter No. 1059 dated 17/06/2016 was informed for submission of concerned information sought by the committee as per their meeting dated 03/06/2016. The committee observed that PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information.

**12. Case No. – 2702/2015 Shri Alok Goenka (Prop.) Shri Sukhdev Pd. Shankar Goenka, Prop., M/s, Station Road, Katni, Distt. - Katni (M.P.)-483501. Prior E.Cfor approval of Jamuwani Kalan Limestone, Bauxite & Clay Deposit Mine Lease Area-24.85 ha**

**Proposed Capacity: Lime Stone - 224193 TPA, Bauxite – 7953 TPA, Clay- 27356 TPA  
Total (Avg) Production - 1,41,253 TPA, at Khasra No. 728, 729, 737, 738, 739, 798,  
799, 800, 801, 802, 803, 804, 805, 806, 807, 817, 818, Vill.-JamuwaniKalan, Teh.-  
Vijayraghvarh, District-Katni (M.P.) (EIA Consultant; Insitu Enviro Care, Bhopal).**

This is a case of mining *Limestone, Bauxite & Clay*. The application was forwarded to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP. Salient features of the project with location aspects were presented by the PP and his consultant before the committee in this meeting. Mining is proposed at *Khasra No. 728, 729, 737, 738, 739, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 817, 818, Village-JamuwaniKalan, Tehsil-Vijayraghvarh, District-Katni (M.P.)*, in an area of 24.85 Ha. The proposed production capacity is *Lime Stone - 224193 TPA, Bauxite – 7953 TPA, Clay- 27356 TPA*.

The case was discussed earlier in the 196<sup>th</sup> SEAC meeting dated 02/06/2015 wherein it was observed that proposed production is varying in the documents submitted and the form-1 hence the same has to be finalized as per the approved Mining Plan and presented in EIA and EMP reports. Since Form 1 is basic / authentic signed document submitted by PP for appraisal, it has to be revised addressing points / discrepancies pointed out by the committee during the meeting. The TOR shall be released after receipt of the revised form-1 with factual details.

After deliberations committee approved the standard TORs' to carry out EIA study and prepare EMP for the proposed project including following points:

- Proposed production has been reported differently in the documents submitted and the Form-1 hence the same has to be finalized as per the approved Mining Plan and presented in EIA and EMP reports.
- Mining method is mentioned as Semi-mechanized at some places and as manual in some places in the documents submitted, the same has to be reported clearly in the report.
- Crusher for sizing of mineral is proposed or not to be reported.
- Status of lease area with respect to the ownership has to be reported with supporting documents in this regard.
- Expected percentage recovery of all the minerals proposed to be excavated to be furnished.

PP has submitted revised Form-1 according to which the mining area is reduced from 24.85 ha to 23.99 ha and production capacity is increased as follows:

SL.NO.	MINERALS	PROPOSED	REVISED
1.	Lime Stone	2,24,193	2,93,805
2.	Bauxite	7,953	8,239
3.	Clay	27,356	41,359

PP has submitted revised Form-1 which was placed before the committee for scrutiny and necessary comments in the 256<sup>th</sup> SEAC meeting dated 03/01/2016. Committee after deliberations decided since TOR has already been approved in the 196<sup>th</sup> SEAC meeting dated 02/06/2015 and PP has submitted the desired information such as Form-1, the standard TOR as per revised information be issued to the PP with following additional conditions:-

- Mining method is mentioned as Semi-mechanized at some places and as manual in some places in the documents submitted, the same has to be reported clearly in the report.
- Crusher for sizing of mineral is proposed or not to be reported.
- Status of lease area with respect to the ownership has to be reported with supporting documents in this regard.
- Expected percentage recovery of all the minerals proposed to be excavated to be furnished.

PP has submitted the EIA report vide letter dated 19/08/2016 which was forwarded by the SEIAA vide letter no. 3934/SEIAA/16 dated 06/10/2016.

The case was presented by the PP and their consultant in the 56<sup>th</sup> SEAC II meeting dated 08/11/2-16. On perusal of the documents and case file submitted by the PP, committee observed that:

1. DFO certificate regarding distances form National Parks & Sanctuaries in the proforma prescribed by SEIAA, MP is not submitted by PP.
2. The validity of lease was up to 08/01/2915 and so far PP has not submitted the lease validity extension documents.
3. Khasra Panchshala of Khasra no. 799 is not submitted with the case file.
4. Public hearing is conducted for the revised production capacity of the project.

After deliberations committee decided that PP should submit reply on above issues with necessary documentary evidences for further consideration of the project.



PP has submitted the reply of above issues vide letter dated 01/12/2016 which was placed before the committee. On perusal of the reply submitted by PP committee observed that still the DFO certificate submitted by the PP is not adequate as distance criteria considered in certificate is for 05 Kms radius while it should be for 10 Kms radius. Committee after deliberation decided that PP may be asked to submit revised certificate of DFO regarding distances form National Parks & Sanctuaries in the proforma prescribed by SEIAA for a radius of 10 Kms.

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

**(Prashant Shrivastava, Member)**

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

**(R. K. Sharma, Member)**

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

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

Annexure- 'A'

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

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

Annexure- 'B'

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

1. The amount towards reclamation of the land in MLA shall be carried out through the mining department; the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. Plantation shall be carried out on the banks for stabilization of the banks.
4. The mining activity shall be done manually.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
7. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
8. No Mining shall be carried out during Monsoon season.
9. The depth of mining shall be restricted to 3m or water level, whichever is less.
10. No in-stream mining shall be allowed.
11. The mining shall be carried out strictly as per the approved mining plan and ensure that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
12. Established water conveyance channels should not be relocated, straightened, or modified.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
16. EC will be valid for mine lease period subject to a ceiling of 5 years.
17. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'C'

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

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