

The 63<sup>rd</sup> meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 24<sup>th</sup> December, 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 Rajendra Kumar Sharma, Member.
4. Shri Anil Kumar Sharma, Member
5. Dr. Sonal Mehta, Member.

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

1. **Case No. 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.

#### **Details of the project**

- 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

The TOR was approved in the 171<sup>st</sup> SEAC meeting dated 29/01/2015 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.

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.

**2. Case No.-5462/2016 Shri Prasenjit Singh, M/s Piprahat Limestone Mine, , Vill. Piprahat, Teh. Maihar, Dist. Satna, MP. Prior Environment Clearance for Limestone Mines in an area of 8.068 ha. (1,67,200 TPA) (Khasra no. 48, 177, 178, 178, 180, 181) at Village-Piprahat, Tehsil - Maihar, Dist. Satna (MP).**

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. 48, 177, 178, 178, 180, 181) at Village-Piprahat, Tehsil - Maihar, Dist. Satna (MP). 8.068 ha. The project requires prior EC before commencement of any activity at site.

Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

It was submitted that this mine is operational with Environmental cleanse and consent to operate from MPPCB. The proponent wish to capacity expansion from 1,500 to 1,67,200 MTonnes per annum. Accordingly the mine plan has been approved.

**Environment setting**

Particulars	Details
Village	Piprahat
Tehsil	Maihar

District	Satna
State	MP
Latitude	24° 08' 06.9" to 24° 08' 19.9" North
Longitude	80° 46' 18.7" to 80° 46' 29.8" East
General Ground Level	399 m MSL
Elevation range	Highest – 400m MSL Lowest – 398m MSL
Nearest Village	Piprahat -0.50 km – S
Nearest National/state Highway	Jabalpur-Katni-Maihar Road (NH-7) – 8.85 km - NNW Barhi-Sarlanagar Road-(SH-11)- 4.40 km-E
Nearest Railway Station	Bhadanpur Railway Station – 10.0 Km
Nearest Airstrip	Satna - 45.0 km
Nearest Tourist Place within 10km radius.	None within 10 km radius
Archaeological Important Place	None within 10 km radius
Ecological Sensitive Areas (Wild Life Sanctuaries)	None within 10 km radius
Reserved / Protected Forest (Boundary to boundary distance)	None with in 10 km radius
Hills/valley within 10 km radius	Kaymore hill - 1.10 km - N
Nearest major city with 100000 population within 10km radius	None in 10 km radius
Nearest Town / City within 10 km radius	None within 10km radius
Nearest River	Tamas (Tons) River - 5.30 km – NW
Nearest Nalla/ pond	Kalindari N -2.40 km - E Chakdahi Nalla - 1.25km - SW
Industry with in 10 km radius	Maihar Cement Plant -7.0 km

It was reported by the PP that

- The lease area of 8.068 hectares was originally granted in favour of Smt Shusila Singh. After that lease has been transfer to Shri Prasenjit Singh to balance period upto 30.03.2023
- 4 other lease area are located within 500m radius,
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur

- The PP has already been obtained environment clearance from SEIAA for capacity of 1500MTPA. Mine is running with valid consent to operate with production capacity of 1500Mmpa.

**Salient feature of the lease area**

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease Area	8.068 ha
Mineable Area	7.1567 ha
Existing Pits & Quarries	1.3115 ha
Existing Dumps	0.5557ha
Plantation	0.20 ha
Existing water body	0.25 ha
Existing backfilled area	Nil
Mineable Reserve	22,13,017 MT
Method of mining	OTFM
Ultimate Depth of Mining	28 m bgl (370 mRL)
Ultimate Pit Slope	45°
Expected Life of Mines	14 years
Stripping Ratio	1:0.45
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	7.1567 ha
Area to be backfilled by conceptual period	1.48 ha
Area to be covered under plantation by conceptual period	2.9325 ha
Area to be covered under water reservoir	4.9942 ha
Elevation	400-398 mRL
Ground water table	
Pre monsoon	362 mRL (38 bgl)
Post monsoon	368 mRL (32 bgl)
Production per day in MT	557 MT
Dumper required per day (24MT)	23 no.

## GEOLOGY OF THE MINE

<b>Geology and deposit appraisal</b>	
Local geology	The lease area has ore zone having Limestone. The Limestone beds are gentle to moderately 30 <sup>0</sup> N dipping towards the north and belong to the Semri group formation. The major litho unit is Limestone. The dipping is 30 <sup>0</sup> due North , the trend of rocks is ENE-WSW to E-W strike.
Lithology	0.0 – 5.0 – Avg. Lateritic soil 5.0 – 30 m – avg. limestone
Average thickness	24m
Lease area	8.068 ha
Mineable area	7.1567 ha
AMSL	400-398 mRL
Height of bench, width and no of bench	Development- 3 no. avg. Height of 1.5 m& 2.0m(lateritic soil) Production – 2 no. – 6m height & 6 mt width. (Limestone)
Width of haulage road	11 m wide with gradient of 1:16
Mineral reject	20%

### Mining Method

- Presently Mining activity is being operated for capacity of 1500 Mt per year.
- Opencast OTFM mining is proposed for capacity expansion.
- Lump of Limestone will be transported from pit bottom to surface by dumper
- Presently area has been developed with one pit (1.3115ha) up to 385 m AMSL.
- During the proposal period; three development bench and two production benches are proposed with height of 3-6m and width will be 6 m respectively up to 399 m to 382 m AMSL.
- During the conceptual period 11 m wide haulage roads will be maintained and developed at required places with gradient of 1:16.
- At the End of SOM period, about 3.3045 ha area will be excavated up to 382m AMSL.



- At the end of conceptual period, about 7.1567 ha area will be excavated up to 370 m AMSL and out of this about 1.48 ha area will be backfilled using mine waste and rest of mined out area i.e. 4.9942 ha are will be converted as water reservoir with proper fencing.
- At the end of conceptual period about 2.9325 ha area will be afforested with 2452no of trees.

**Existing and proposed land use plan**

Items	Existing	Conceptual Period
Total lease area	8.068 ha	
Ultimate depth of mining	385 m MSL	370 m MSL
Ultimate pit slope	45 degree	45 degree
Area under dumps	0.5557 ha	Nil
Area under pits	1.3115 ha	7.1567 ha
Area to be reclaimed	Nil	1.48 ha
Infrastructure & Road	0.194 ha	0.196 ha
Mineral storage	Nil	Nil
Plantation	0.2 ha	2.9325ha
Water body	0.25ha	4.9942 ha

The case was presented by the PP and their consultant wherein it was observed that being it's a case of major mineral committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Compliance of earlier EC conditions duly authenticated by MoEF&CC.
7. Year wise details of minerals already excavated till date should be submitted with EIA report.
8. PP has to submit the lease validity extension certificate along with EIA report. (If applicable)

9. Atleast 07 stations should be selected for monitoring and results should be discussed in the EIA report.

**3. Case No.-5457/2016 M/s Prism Cement Ltd, "Rahejas"Main Avenue, V.P.Road, Santeruz (W), Mumbai, Maharashtra Prior Environment Clearance for Limestone Mine in an area of 4.755 ha. (6,45,278 Tonnes per annum) (Khasra no. 74(P), 103 (P), 104) at Village- Hinauti, Tehsil - Rampur Baghelan, Dist. Satna (MP)**

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. 74(P), 103 (P), 104) at Village- Hinauti, Tehsil - Rampur Baghelan, Dist. Satna (MP) 4.755 ha. The project requires prior EC before commencement of any activity at site.

Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

It was submitted that this is proposed mine for sanction of 20 year. Accordingly the mine plan has been approved.

**Environment setting**

Particulars	Details
Locations	
Village	Hinauti
Tehsil	Rampur Baghelan
District	Satna
State	MP
Nearest National/state Highway	NH -75 - 3.75 km -S
Nearest Railway Station	Satna – 21 km by Road
Nearest Airport	Satna Airstrip- 21 km by Road
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)	Jamori RF -NW -2.0 km Sathari RF - ENE - 3.5 km Naru PF -SW -9.0 km, There are 14 small patches of RF falling within 5km of the lease area, nearest RF 0.5 km
Nearest major city with 100000 population	None in 10 km radius
Nearest village	Hinauti - 0.60 km -E

Nearest Town	Rampur Baghelan – 10.0 km
Elevation (AMSL)	292-288 m
Nearest River/ Pond/ Tank/ Nalla	Tamas River -0.30km -N Nar nala -3.20 km -E Magardaha Nalla -1.70 km -W Dila Nalla - 5.5 km -E Badkhar Nalla -6.75 km -WSW
Industry within 10km radius	Prism Cement Limited

It was reported by the PP that

- The lease was granted for period of 20years.
- The lease area comes under Forest land. Forest clearance has already been obtained from MoEF&CC.
- Two other lease area is located within 500m radius, which are belong to same lessee
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur

**Salient feature of the lease area**

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	4.755 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Infrastructure and road	Nil
Plantation	Nil
Total geological Reserve	1345463.0 MT
Total Movable Reserve	1210916.0 MT
Method of mining	Fully Mechanized
Existing depth of pit	Nil
Ultimate Depth of pit	14.5 m bgl (273.5 m AMSL)
Expected Life of Mines	2 years

Stripping Ratio	1:0.0 to 1:1.88
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	4.755 ha
Area to be reclaimed till conceptual period	4.755 ha
Area to be rehabilitated by afforestation in conceptual period	4.755 ha
Area to be covered under water reservoir	Nil
Ground water table	
Monsoon season	22 m bgl (266 m AMSL)
Pre monsoon season	26 m bgl (262 m AMSL)
Production per day	2151.0 MT
Truck per day (24MT)	90Nos
Prospective clients	Cement plant Captive Use

## GEOLOGY OF THE MINE

Geology and deposit appraisal	
Local geology	Geologically this area forms part of the Rewa plateau belonging to the Vindhyan Supergroup of rock formations in Indian stratigraphy. The Vindhyan formations are broadly classified into a lower calcareous and an upper arenaceous facies. The upper arenaceous rocks however, have a calcareous horizon-the Bhandar limestone varying in thickness from about 5 to 15 m. The limestone deposit in the area of investigation belongs to the Bhandar series. The general trend of Bhandar Lime stone is East-North East to West-Southwest having low southerly dips of less than 5°
Average thickness	5-15 m
Lease area	4.755 ha
Mineable area	4.755 ha
AMSL	292-288 m
Height of bench, width and	OB/soil – 1 no, 120m in length & 70 m wide. It has been proposed to have 02 terraces

no of bench	each of about 6mt in height. Production – 3 no. – 6m height & 6 mt width
Width of haulage road	6m with gradient of 1:16
Mineral reject	There is no mineral reject. All mineable reserves will be used in making clinker.

**Post land use plan**

Items	Existing	At the end of conceptual period
Total lease area	4.755 ha	
Mineable area	4.755 ha	
Ultimate depth of mining	Nil	14.5m bgl (273.5m AMSL)
Ultimate pit slope	Nil	38 <sup>o</sup>
Area under dumps	Nil	Nil
Area under mineral stack	Nil	Nil
Area under pits	Nil	4.755 ha
Area to be backfilled	Nil	4.755 ha
Infrastructure & Road	Nil	Nil
Plantation	Nil	4.755 ha
Water body	Nil	Nil

The case was presented by the PP and their consultant wherein it was observed that PP has already obtained the Forest Clearance issued vide letter no. 8C/001/2001-fcw/1340 dated 14/12/2015. Being it's a case of major mineral, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Year wise details of minerals already excavated till date should be submitted with EIA report.

7. PP has to submit the lease validity extension certificate along with EIA report. (if applicable)
8. Atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.

**4. Case No.-5467/2016 M/s Pawan Minerals, Jawahar Chok, Jhanda Bazar, Katni, MP – 483501 Prior Environment Clearance for Calcite, Dolomite and Limestone Mine in an area of 2.33 ha. 28,462 MTPA) (Khasra no. 249, 250) at Village- Bhatgawan Sunehra, Tehsil - Murwara, Dist. Katni.**

This is case of Calcite, Dolomite and Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 249, 250) at Village- Bhatgawan Sunehra, Tehsil - Murwara, Dist. Katni 2.33 ha. The project requires prior EC before commencement of any activity at site.

Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. The presentation and the submissions made by the PP reveals following:

It was submitted that this is a running with valid consent to operate. Accordingly the mine plan has been approved.

**Environment setting**

Particulars	Details
Locations	
Village	Bhatgaon Sunahra
Tehsil	Murwara
District	Katni
State	MP
Nearest National/state Highway	NH -7 – 15.00 km
Nearest Railway Station	Niwar – 8.75 km - NW
Nearest Airport	Jabalpur - 76.0 km
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)	None in 10 km radius
Nearest major city with 100000 population	Nil
Nearest village	Bhandwatola– 0.60 km - ENE
Nearest Town	Katni – 18.0 km

Topography	Undulating
Elevation (AMSL)	443-439 m MSL
Nearest River/ Pond/ Tank/ Nalla	Surmur Tank - 5.25 km –NNW Ametha Tank - 5.50 km –WSW Bhitrigarh Tank -6.00 km – SWS Niwar Nadi -6.0 km –SW Local Nalla -0.02 km- SW
Industry within 10km radius	None with in 10 km Radius

It was reported by the PP that

- The lease area of 2.33 hectares was granted for 20 years from 25.07.2003 to 24.07.2023.
- The lease area comes under pvt waste land
- Three other lease area are located within 500m radius,
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur
- it was reported by the PP that baseline data of the region has already been stated from winter season
- Mine is running with valid consent to operate with production capacity of 28462MTPA. As per direction of Honorable NGT, Environmental clearance is required for further operation.

### Salient feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	2.33 ha
Existing Pits & Quarries	0.5579 ha
Existing Dumps	0.0585 ha
Infrastructure and road	0.046ha
Plantation	Nil
Total geological Reserve	363610 MT (Limestone)
Total Minalable Reserve	288360 MT (Limestone)
Method of mining	Manual
Existing depth of pit	6m bgl (433 m AMSL)
Ultimate Depth of pit	13.5m bgl (425.5 m AMSL)
Expected Life of Mines	11 years
Stripping Ratio	1:0.12 to 1:0.50
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil

Area covered under pit in conceptual period	1.6550 ha
Area to be reclaimed till conceptual period	0.50 ha
Area to be rehabilitated by afforestation in conceptual period	1.40 ha
Area to be covered under water reservoir	0.57ha
Ground water table	
Monsoon season	20m bgl (419m MSL)
Pre monsoon season	25m bgl (414m MSL)
Production per day (T)	95 MT
Truck per day (24t)	4 Nos.
Prospective clients	Cement plant and steel plant

## GEOLOGY OF THE MINE

Geology and deposit appraisal	
Local geology	The lease area has ore zone having Limestone. Three working pits are developed during the past period of mining, exposures of limestone area seen in the working pit. Strike direction east west having 70 to 80° dip towards south.
Lithology	Area is covered by top soil followed by limestone. 0.0 -1.0 - Soil 1.0 -12.5 - Limestone with alternate bands of limestone and Phyllite.
Lease area	2.33 ha
Mineable area	1.6550 ha
AMSL	443-439 m
Height of bench, width and no of bench	Existing – 1 bench of soil with mineral (2-6m height and 2-10m width) Proposed - Soil – 2 no. – 1 m Height Production – 3 no. – 3-5m height & 3-5 mt width
Width of haulage road	2-3 m with gradient of 1:16
Mineral reject	20%

## Mining Method

- Existing mining operations are being carried out by open cast manual method mining is by using hand tools such as chisel, Hammer, crowbar, and spades etc.
- Lump of limestone will be transported from pit bottom to surface by manually.
- Dispatch of minerals to various destinations is being done by truck/dumper



- Production will be carried out by extending the western faces of pit A towards West direction. Regular shape and benches will be provided to Pit A.
- During the conceptual period 2-3m wide haulage roads will be maintained and developed at required places with gradient of 1:16.
- At the end of conceptual period, about 1.6550 ha area will be excavated up to 425.5 m AMSL ,
- Out of 1.6550ha area, 0.50ha area will be backfilled using mine waste and about 0.57ha area will be converted as water reservoir with proper fencing and stair.
- At the end of conceptual period about 1.40 ha area will be afforested with 2800 no of trees.

### Existing and proposed land use plan

Items	Existing	At the end of conceptual period
<b>Total lease area</b>	2.33 ha	
Mineable area	1.6550 ha	
Ultimate depth of mining	6m bgl (433m MSL)	13.5m bgl (425.5 m MSL)
Ultimate pit slope	55 <sup>o</sup>	45 <sup>o</sup>
Area under dumps	0.0585 ha	Nil
Area under mineral stack	Nil	Nil
Area under pits	0.5579 ha	1.6550 ha
Area to be backfilled	Nil	0.50 ha
Infrastructure & Road	0.046 ha	Nil
Plantation	Nil	1.40ha
Water body	0.25ha	0.57ha

The case was presented by the PP and their consultant wherein it was observed that being it's a case of major mineral committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
6. Compliance of consent conditions of M. P. Pollution Control Board from concerned Regional Office.

7. Year wise details of minerals already excavated till date should be submitted with EIA report.
  8. PP has to submit the lease validity extension certificate along with EIA report. (if applicable)
  9. Atleast 06 stations should be selected for monitoring and results should be discussed in the EIA report.
5. **Case No.-5463/2016 Smt. Khushbu Singh, Owner, Shop No. 7, Press Complex, Zone I, M.P.Nagar, Bhopal – 462011 Prior Environment Clearance for Stone mine in an area of 9.0 ha. (19,950 cum per annum) (Khasra no. 244) at Village- Kardai, Tehsil - Huzur, Dist. Bhopal (MP).**

This is case of Stone mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 244) at Village- Kardai, Tehsil - Huzur, Dist. Bhopal (MP) 9.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.642 dated: 11/05/15 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 22.00 ha including this Mine.

The case was presented by the PP and their consultant wherein it was observed that the lease is sanctioned 02/05/2015 by competent authority vide letter dated 11/05/2015 and thus notification dated 01/07/2016 does not imply on this lease. 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 19,950 cum/year.

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

This is case of Pyrophyllite and Diaspore mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1, 3, 10) at Village-

Nadanwara, Tehsil - Mohangarh, Dist. Tikamgarh (MP) 8.640 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.855, dated: 29/08/2016, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of -18.312 ha including this Mine.

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.-5458/2016 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1, South Tukoganj, Indore, MP – 451228 Prior Environment Clearance for Sand quarry (Khodu Bharu) in an area of 14.990 ha. (1,12,500 cum per annum) (Khasra no. 254, 255/4, 256/2) at Village- Bhattayan Bujurg, Tehsil - Kasrawad, Dist. Khargone (MP).**

This is case of Sand quarry (Khodu Bharu). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 254, 255/4, 256/2) at Village-Bhattayan Bujurg, Tehsil - Kasrawad, Dist. Khargone (MP).14.990 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.770, dated: 01/10/2016, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein 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 'C':

- Production of Sand as per mine plan with quantity not exceeding 1,12,500 cum/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.

**8. Case No.-5471/2016 M/s Shiva Corporation India Pvt. Ltd, H.No. 312, Ganpati Plaza, MI Road, Jaipur, Rajasthan – 460001 Prior Environment Clearance for River Sand Deposit Quarry in an area of 24.970 ha. (2,72,250 cum per annum) (Khasra no. 1,1, 288 & 266) at Village- Baspur - Shivsagar- Gounapur, Tehsil - Ghodadungari/Shahpur, Dist. Betul**

This is case of Sand quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1,1, 288 & 266) at Village- Baspur - Shivsagar- Gounapur, Tehsil - Ghodadungari/Shahpur, Dist. Betul 24.970 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.1260, dated: 19/08/2016, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed as per the Google image of December, 2015 based on the co-ordinates provided by the PP that a road bridge is in existence approx. 190 meters away from the lease in the Eastern side. Thus PP was asked to leave additional 60 meters area from the lease towards road bridge side as non mining area as per the “Sustainable Sand Mining Guidelines, 2016”, issued by the MoEF&CC. Since the area of lease is 24.970 ha thus the sanctioned quantity 2,72,250 cum/year as per the approved mine plan and replenishment plan can be evacuated from the lease leaving additional 10 meters non mining area due to bridge in the lease. 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 ‘B’:

- Production of Sand as per mine plan with quantity not exceeding 2,72,250 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.

- No diversion of active channel should be allowed for mining.
- A road bridge is in existence approx. 180 meters away from the lease in the Eastern side. Thus additional 20 meters area should be left from the lease towards road bridge side as non mining area as per the “Sustainable Sand Mining Guidelines, 2016”, issued by the MoEF&CC.

**9. Case No.-5477/2016 M/s Sainik Foods Pvt. Ltd, 1199 D/13, 3rd Floor, Street No. 13, Govindpuri, Kalkaji, New Delhi – 460001 Prior Environment Clearance for River Sand Deposit Quarry in an area of 6.090 ha. (35,700 cum per annum) (Khasra no. 248, 141, 130) at Village- Aamdhana, Tehsil - Betul, Dist. Betul (MP).**

This is case of Sand. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 248, 141, 130) at Village- Aamdhana, Tehsil - Betul, Dist. Betul (MP) 6.090 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.1259, dated: 19/08/2016, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed as per the Google image of May, 2013 based on the co-ordinates provided by the PP that a road bridge is in existence in the lease. Thus PP was asked to leave 200 meters area on the both sides of the bridge as non mining area as per the “Sustainable Sand Mining Guidelines, 2016”, issued by the MoEF&CC. Since the area of lease is 6.090 ha thus the sanctioned quantity 35,700 cum/year as per the approved mine plan and replenishment plan can be evacuated from the lease. 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 ‘B’:

- Production of Sand as per mine plan with quantity not exceeding 35,700 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.
- A road bridge is in existence approx. 180 meters away from the lease in the Eastern side. Thus additional 20 meters area should be left from the lease towards road bridge side as non mining area as per the “Sustainable Sand Mining Guidelines, 2016”, issued by the MoEF&CC.

**10. Case No.-5478/2016 M/s Sainik Foods Pvt. Ltd, 1199 D/13, 3rd Floor, Street No. 13, Govindpuri, Kalkaji, New Delhi – 460001. Prior Environment Clearance for River Sand Deposit Quarry in an area of 6.250 ha. (25,740 cum per annum) (Khasra no. 68, 260) at Village- Dehargaon/Bhayawadi, Tehsil - Betul, Dist. Betul (MP).**

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. 68, 260) at Village-Dehargaon/Bhayawadi, Tehsil - Betul, Dist. Betul (MP) 6.250 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.1258 dated: 19/08/2016 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed as per the Google image of April, 2016 based on the co-ordinates provided by the PP that a small road bridge is in existence approx. 225 meters away from the lease in the Eastern side. 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 ‘B’:

- Production of Sand as per mine plan with quantity not exceeding 25,740 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.

**11. Case No.-5465/2016 M/s A. D. Agro Foods Pvt Ltd, H.No. 18, Sagar Matha Apartment, MG Road, Indore, MP – 460001. Prior Environment Clearance for River Sand Deposit Quarry in an area of 5.450 ha. (7200 cum per annum) (Khasra no. 106) at Village- Kodaroti, Tehsil - Betul, Dist. Betul (MP).**

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. 106) at Village- Kodaroti, Tehsil - Betul, Dist. Betul (MP) 5.450 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.1262 dated: 19/08/2016 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed as per the Khasra map that the lease is in two parts. PP submitted that initially the mine was sanctioned for an area of 10.866 ha but leaving the non minable area 5.450 ha was sanctioned for the mining and accordingly the lease was allotted to him and the entire lease is on one Khasra i.e. Khasra No. 106. The committee observed that it is true that lease is sanctioned on one Khasra but a considerable area is left between both the leases without mentioning any reason and thus lease is neither continuous nor compact. Hence, sanctioning of above leases is not in accordance with the MP MMR, 1996 rule 04 (3). The committee also observed that single mine plan is prepared for the above leases. Earlier in cases of similar nature (please refer the minutes of 231<sup>st</sup> SEAC meeting dated 27/10/2015 and subsequent decision taken by SEIAA in its 327<sup>th</sup> meeting dated 05/05/2016) SEIAA has decided to close the case. The committee decided to forward this case to SEIAA for further considerations and necessary action.

**12. Case No.-5473/2016 M/s Balaji Developers, 205, City Center, 570 MG Road, Indore, MP – 451001 Prior Environment Clearance for Khodu Bharu Sand Deposit Quarry in an**

**area of 8.612 ha. (47,250 cum per annum) (Khasra no. 30) at Village- Ghatbadiya, Tehsil - Kasrawad, Dist. Khargone (MP).**

This is case of Khodu Bharu Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 30) at Village- Ghatbadiya, Tehsil - Kasrawad, Dist. Khargone (MP) 8.612 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.845 dated: 03/11/2016, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented today by the PP and their consultant and during presentation it was observed that the other submissions made by PP were found satisfactory and acceptable hence committee after deliberations decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

- Production of Sand as per mine plan with quantity not exceeding 47,250 cum/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.

**13. Case No.-5474/2016 M/s Balaji Developers, 205, City Center, 570 MG Road, Indore, MP – 451001 Prior Environment Clearance for Khodu Bharu Sand Deposit Quarry in an area of 8.477 ha. (47,250 cum per annum) (Khasra no. 61, 44) at Village- Bhoinda, Tehsil - Kasrawad, Dist. Khargone (MP).**

This is case of Khodu Bharu Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 61, 44) at Village- Bhoinda, Tehsil - Kasrawad, Dist. Khargone (MP) 8.477 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.844, dated: 03/11/2016, has reported that there are no more mines operating or proposed within 500 meters around the said mine.



The case was presented today by the PP and their consultant and during presentation it was observed that the other submissions made by PP were found satisfactory and acceptable hence committee after deliberations decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

- Production of Sand as per mine plan with quantity not exceeding 47,250 cum/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.

**14. Case No.-5482/2016 Mr. Chain Singh, Gram Narwe, Tehsil - Biaora, Dist. Rajgarh, MP – 465674. Prior Environment Clearance for Sand Auctioned Quarry in an area of 20.214 ha. (5000 cum per annum) (Khasra no. 560) at Village- Parsana, Tehsil - Biaora, Dist. Rajgarh (MP).**

This is case of Sand Auctioned Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 560) at Village- Parsana, Tehsil - Biaora, Dist. Rajgarh (MP) 20.214 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal praman-patr vides letter no.810 dated nil has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented today by the PP and their consultant and during presentation it was observed that according to the Google image of Dec.2015 based on the co-ordinates provided by the PP that approx 85 % of the lease area is submerged in water. Since the approved production volume of sand is only 5,000 cum/year, same can be easily evacuated from the southern end of the lease. 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 5,000 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.

### **DISCUSSION ON QUERY RESPONSE SUBMITTED BY PP/ ISSUES RAISED BY SEIAA**

#### **15. Case No. -5183/16 Shri O.P. Vyas, Dy. GM, Sub Office-Gwalior, MP State Mining Corporation, Paryavas Bhawan, Block-A, 2nd Floor, Jail Road, Arera Hills, Bhopal (MP)-462011 Prior Environment Clearance for Sand Mine Deposit in an area of 24.73 ha. (1,23,650 cum/year) at Khasra No.-181, Village-Dahema-C, Tehsil-Roun, District-Bhind (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 181 Village–Dahema-C, Tehsil – Roun, Distt. Bhind (MP) 24.730 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.327, dated: 2/4/16, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 37.48 ha including this mine.

Earlier this case was discussed in 26<sup>th</sup> SEAC-II meeting dated-24/05/2016 & 53<sup>rd</sup> SEAC-II meeting dated-13/10/2016. The TOR was issued to the PP vide letter no. 892 dated 28/01/2016.

MP State Mining Corporation Limited, Bhopal vide their letter no.418 dated 17/08/2016 has also informed that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no.1350 dated 30/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. F4-1/2010/12/01 dated 22/09/2010 and thus does not falls under the purview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

The case was presented by the PP and their consultant wherein during presentation PP and consultant (SFRI, Jabalpur) informed that there are two more mines within 500 meters radius of this mine with following details:

1. Dahema-A 24.00 ha. Khasra No. 01 EC issued case no. 5142
2. Dahema-B 12.75 ha. Khasra No. 01,02, EC under consideration case no. 5224  
181

OIC (Khanij), Office of Collector, Bhind has submitted vide letter dated 30/07/2016 that this Dahema mine is sanctioned prior to 09/09/2013 and thus cluster approach is not applicable on this mine. On the basis of above certificates issued by the concerned authority and as per the EIA notification, 2006 and notification dated 15/01/2016 and 01/07/2016, the mine was considered as non-cluster mine as the mines within 500 meter periphery were sanctioned prior to 09/09/2013. PP further submitted that the revised MO certificate will be submitted within a day or two to SEIAA.

During presentation, as per the Google image of February, 2016 based on the co-ordinates provided by the PP that >65% of the site is submerged in water but leaving the area under submergence, approx 8.00 ha area will be available for sand evacuation which is sufficient for evacuation of sanctioned quantity of sand as per mine plan.

The case 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 but there is discrepancy in the MO certificate issued vide letter dated 02/04/2016 and presentation made by PP and their consultant (SFRI, Jabalpur). PP informed that the revised certificate will be issued by tomorrow and thus may be given an opportunity to submit the same on 24/12/2016 for consideration of this project for EC. Committee after deliberations asked PP to submit revised MO certificate as per their submission made today for further consideration of the project.

PP vide their letter dated 24/12/2016 has submitted the revised certificate of MO issued vide letter no. 2139 dated 24/12/2016 wherein MO has informed that there are 02 more mines in 500 meters cluster excluding this mine with total cluster area 61.480ha which was placed before the committee. Committee after deliberation decided that since earlier 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':

- Production of Sand as per mine plan with quantity not exceeding 1,23,650 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL

(Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.

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

**16. Case No. -5186/16 Shri Rajeev Saxena, Dy. GM, Sub Office-Dhamnood, MP State Mining Corporation, Paryavas Bhawan, Block-A, 2nd Floor, Jail Road, Arera Hills, Bhopal (MP)-462011 Prior Environment Clearance for River Sand Mine in an area of 14.430 ha. (75,000 cum/year) at Khasra No.-149/1/1, Village-Jalkoti, Tehsil-Maheshwar, District-Khargone (MP)**

This is case of Sand Quarry (Khodu Bharu). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No.-149/1/1, Village-Jalkoti, Tehsil-Maheshwar, District-Khargone (MP) 14.430 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. Ekal Praman-patra vide letter dated: 30/4/16, has reported that there are 04 mines operating or proposed within 500 meters around the said mine with total area of 44.430 ha including this mine.

Earlier this case was discussed in 26<sup>th</sup> SEAC-II meeting dated-24/05/2016 and 52<sup>nd</sup> SEAC-II meeting dated-12/10/2016 wherein it TOR were approved and the same was issued to the PP vide letter no. 884 dated 28/05/2016.

*MP State Mining Corporation Limited, Bhopal vide their letter no.421 dated 17/08/2016 has also informed that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 165 dated 01/08/2016 has issued a certificate stating that above lease was sanctioned vide order no. F4-1/2010/12/01 dated 22/09/2010 and thus does not falls under the purview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.*

The case was presented by the PP and their consultant (SFRI, Jabalpur) wherein during presentation PP informed that there are 02 more mines within cluster of this mine with following details:

1. Jalkota A 15.00 ha. Khasra No. 149/1/1 EC under consideration case no.4310
2. Jalkota 3.611 ha. Khasra No. 149/6/1 EC under consideration case no. 4530(DEIAA)

OIC (Khanij), Office of Collector, Khargone has submitted vide letter dated 01/08/2016 that this mine is sanctioned prior to 09/09/2013 and thus cluster approach is not applicable on this mine. On the basis of above certificates issued by the concerned authority and as per the EIA notification, 2006 and notifications dated 15/01/2016 & 01/07/2016, the mine was considered as non-cluster as was sanctioned prior to 09/09/2013.

The case 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 but there is discrepancy in the MO certificate issued vide letter dated 30/04/2016 and presentation made by PP and their consultant. PP informed that the revised certificate will be issued by tomorrow and thus may be given an opportunity to submit the same on 24/12/2016 for consideration of this project for EC. Committee after deliberations asked PP to submit revised MO certificate as per their submission made today for further consideration of the project.

PP vide their letter dated 24/12/2016 has submitted the revised certificate of MO issued vide letter no. 1013 dated 24/12/2016 wherein MO has informed that there are 02 more mines in cluster excluding this mine with total cluster area 33.041ha which was placed before the committee. Committee after deliberation decided that since earlier 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 'C':

- Production of Sand as per mine plan with quantity not exceeding 75,000 cum/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.

**17. Case No.5224/15 M/s Vedansh Minerals Resources LLP, Sub Lease, M/s M.P.State Mining Corporation Ltd, Gwalior, M.P. Prior Environment Clearance for Sand mine in an area of 12.750 ha. (63,750 cum/year) at Khasra no.-1, 2, 181, Village-Dahema, Tehsil - Raun, Dist.Bhind (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.-1, 2, 181, Village-Dahema, Tehsil - Raun,

Dist.Bhind (MP) 12.750 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.-246, dated: 26/03/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 50.998 ha including this mine.

Please refer the minutes of 32<sup>nd</sup> SEAC-II meeting dated-23/06/2016 where TOR were approved and same was issued vide letter dated 01/07/2016.

The case was presented by the PP and their consultant wherein during presentation PP and consultant (SFRI, Jabalpur) informed that there are two more mines within 500 meters radius of this mine with following details:

1. Dahema-A 24.00 ha. Khasra No. 01 EC issued case no. 5142
2. Dahema-C 24.730 ha. Khasra No. 181 EC under consideration case no. 5183

OIC (Khanij), Office of Collector, Bhind has submitted vide letter dated 30/07/2016 that this Dahima mine is sanctioned prior to 09/09/2013 and thus cluster approach is not applicable on this mine. On the basis of above certificates issued by the concerned authority and as per the EIA notification, 2006 and notification dated 15/01/2016 and 01/07/2016, the mine was considered as non-cluster mine as all the mines within 500 meter periphery were sanctioned prior to 09/09/2013.

The case 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 but there is discrepancy in the in the total cluster area in MO certificate issued vide letter dated 26/03/2016 and presentation made by PP and their consultant. PP informed that the revised certificate will be issued by tomorrow and thus may be given an opportunity to submit the same on 24/12/2016 for consideration of this project for EC. Committee after deliberations asked PP to submit revised MO certificate as per their submission made today for further consideration of the project.

PP vide their letter dated 24/12/2016 has submitted the revised certificate of MO issued vide letter no. 2139 dated 24/12/2016 wherein MO has informed that there are 02 more mines in 500 meters cluster excluding this mine with total cluster area 61.480ha which was placed before the committee. Committee after deliberation decided that since earlier 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':

- Production of Sand as per mine plan with quantity not exceeding 63,750 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

**18. Case No.5212/15 M/s Kesari Nandan Marble Pvt. Ltd, District - Jaipur (Raj.) Prior Environment Clearance for Marble Quarry in an area of 4.0 ha. (20,000 MT/year) at Khasra no.-120, Village-Amoch, Tehsil - Bahoriband, Dist.Katni.**

This is case of Marble Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-120, Village-Amoch, Tehsil - Bahoriband, Dist.Katni 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 4638, dated: 28/10/15 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 20.07 ha including this mine.

The case was earlier scheduled in the 42<sup>nd</sup> SEAC meeting dated 27/07/2016 wherein “Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 35<sup>th</sup> SEAC meeting dated 03/07/2016. Committee decided to call the PP in subsequent meetings giving him last chance to present his case and if the PP remains absent even then, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project”.

The case was again scheduled for the presentation in the 45<sup>th</sup> SEAC II meeting dated 09/08/2016 wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 35<sup>th</sup> SEAC-II meeting & 42<sup>nd</sup> SEAC II meeting. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

On the above recommendations of committee, SEIAA has delisted the case in their 363<sup>rd</sup> meeting dated 29/08/2016. SEIAA has relisted this case in their 379<sup>th</sup> meeting dated 24/10/2016 stating that PP has given a letter dated 14/10/2016 seeking relief as per notification of MoEF&CC dated 01/07/2016 and sent to SEAC for appraisal as per latest notifications of 15/01/2016 & 01/07/2016 which were placed before the committee. Committee on perusal of the documents submitted with the file observed that Deputy Director and Member Secretary, DEIAA/DEAC vide letter no. 89 dated 26/09/2016 has informed that all the mine of within the 500 meters periphery of applicant's lease are sanctioned prior to 09/09/2013 and thus this case will be appraised at District level committee and requested to forward the same to DEIAA.

Committee after deliberations recommended that this case may be transferred to DEIAA as per EIA notification dated 15/01/2016 and 01/07/2016 as Deputy Director (for collector Katni) and Member Secretary, DEIAA/DEAC has confirmed vide their letter dated 26/09/2016 that all the mine within 500 meters periphery of this lease are sanctioned prior to 09/09/2013 and the lease area of this case is < 5.00 ha.

**19. Case No. 3605/15 Shri Amar Chowksey S/o Shri Uttamchand Chowksey R/o Lalbag, Teh.-Burhanpur, District-Burhanpur (MP)-450331. Prior Environment Clearance for approval of Crusher Stone Deposit in an area of 1.00 ha. (8,550 cum/year) at Khasra No.-09, Vill.-Dongargawan, Teh.-Burhanpur, District-Burhanpur (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.-09, Vill.-Dongargawan, Teh.-Burhanpur, District-Burhanpur (MP) 1.00 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.-4414, dated-02/07/2015, has reported that there is 04 more mines operating or proposed within 500 meters around the said mine and total area-8.68 ha including this mine. Crusher is outside of the ML lease area.



The case was earlier discussed in the 235<sup>th</sup> SEAC meeting dated 31/10/2015 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 **Crusher Stone Quarry** not exceeding 8,550 cum/year as per mine plan.

SEIAA vide their letter no. 682/SEIAA/16 dated 18/04/2016 have sent back the file to SEAC for re-appraisal mentioning that “ *from the Google map it appeared that there are some temporary hutments within the lease area, a nallah bisecting the lease area and a permanent structure vary close to the mining lease area*”.

The case file along with the above letter of SEIAA was placed before the committee in its 23<sup>rd</sup> meeting dated 06/05/2016. The committee after deliberations decided that PP through concerned Mining Officer may be asked to submit a clarification on above issues raised by SEIAA for further consideration of the project.

PP vide letter No. 992 dated 10/06/2016 was informed for submission of concerned information sought by the committee as per their meeting dated 06/05/2016. A reminder was also issued to the PP vide letter no. 1504 dated 13/10/2016 with a copy to the Mining Officer, Burhanpur requesting them to submit the desired information within 15 days otherwise case may be recommended for delisting. 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.

**20. Case No. – 2797/2015 Shri Awadhesh Pratap Singh, M/s Parihar Stone Crusher, Sichai Colony, Teh.- & District- Chhatarpur (MP) Stone Quarry Lease Area - 1.00 ha. Capacity - 4,000 cum/year, at Khasra No. – 361, Vill.-Gathewara, Teh.-Chhatarpur, District- Chhatarpur (M.P.)**

This is case of **Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. – 361, Vill.-Gathewara, Teh.-Chhatarpur, District- Chhatarpur (M.P.) 1.00 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. 1416, dated: 25/11/14, has reported that there are 04 more mines operating or proposed within 500 meters around the said mine and total Area-13.80 ha.

Case was earlier discussed in the 202<sup>nd</sup> SEAC meeting dated 02/07/15 wherein Scrutiny of the case reveals that the Mining Plan lacks the site specific geological information and OB management plan, hence PP was asked to revise and re-submit Mining Plan and EMP. PP has submitted the desired information and thus the case was placed before the committee.

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** not exceeding 4,000 cum/year as per mine plan.

SEIAA vide their letter no. 10505 dated 14/01/2016 has sent back the file for re-appraisal as *“from the Google map it appears that the site falls within the village settlement”* and the same was placed before the committee along with the file. Committee after deliberations decided that the revised co-ordinates may be obtained from PP duly authenticated by the mining officer as one co-ordinate is falling in the village for further consideration of the project.

PP vide letter No. 990 dated 10/06/2016 was informed for submission of concerned information sought by the committee as per their meeting dated 06/05/2016. 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.

**21. Case No.4272/15 Shri Motilal Bajaj R/o H.No. 1, Vinoba Bhave Ward, Barhi Road, Near Mai Nadi, District-Katni (MP)-483501 Prior Environment Clearance for approval of Bauxite, Laterite & Fireclay Mine in an area of 4.01 ha. (Bauxite-35,588, Laterite-5,475 & Fireclay-2,738 TPA) at Khasra No. -463, 464/2, 501, & 502/1, Village-Tikariya, Tehsil-Murwara, District-Katni. (EIA Consultant: Insitu Enviro Care, Bhopal)**

This is case of Bauxite, Laterite & Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. -463, 464/2, 501, & 502/1, Village-Tikariya, Tehsil-Murwara, District-Katni (M.P.) 4.0 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.-4148, dated: 30/09/15, has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 66.84 ha including this mine.

This is case of **Bauxite, Laterite & Fireclay Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. -463, 464/2, 501, & 502/1, Village-Tikariya, Tehsil-Murwara, District-Katni (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

**Salient features of the project**

Lease Area	4.01 Hectare
Khasra No./Compartment no.	463, 464/2, 501 & 502/1
Village	Tikariya
Tehsil & District	Murwara & Katni
Toposheet no.	No. 64 A/6
Project Co-ordinates	Latitude: 23° 43' 47.80'' TO 23 °43' 58.40'' Longitude: 80° 24' 09.00''TO 80° 24' 17.40''
Production Capacity	Laterite-5475 T / Year, Bausite-35588 T/Year & Fireclay-2738 T/Year
Earlier Lease Period	From 29/09/2009 to 28/09/2029
Lease Period	20 Years (Period as sanctioned by the State Govt.)
State order vide letter No.	3-33/2008/12/2 dated 18/06/2009
Occupancy	Existing Mine
Nearest Highway	Nearest Public road is 1.2 km away from the mine site towards West direction.
Nearest Railway Station	Niwar Railway Station is 4 Km from the mine site
Nearest Airport	Jabalpur Airport is 80 Km from the mine site

The case was presented by the PP and their consultant in the 03<sup>rd</sup> SEAC II meeting dated 04/02/2016. Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Plan of resource conservation be discussed in the EIA report.

2. Compliance of conditions stipulated by DGMS be submitted with EIA report.
3. Compliance of consent conditions issued by M. P. Pollution Control Board from the concerned Regional Officer.
4. Copy of forest permission obtained in 2009 (as submitted by PP) should be submitted with EIA report alongwith its compliance report.
5. Inventory of operating / proposed mines within 2 Km around the said mine.
6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
7. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
8. Any alternate route avoiding the nearby habitations.

PP has submitted the EIA report vide their letter dated 3/11/2016 which was forwarded by the SEIAA vides letter no. 4374/SEIAA/16 dated 10/11/2016.

The EIA was presented by the PP and their consultant wherein during presentation it was observed that Ground Level is 381MRL and proposed depth of mining is 360 MRL. As per the mine plan, the post monsoon ground water level is 359 MRL and thus there is only 01 meter cap. PP has submitted that since there is no drilling and blasting proposed thus one meter cap is sufficient. PP further submitted that this 01 meter cap is for post monsoon ground water level however, in pre monsoon condition, this cap is 05 meters and thus mining at this level will be safe. After discussion committee decided that as proposed by PP, no drilling and blasting is permitted for this project and if any time ground water table is intersected then hydrogeological studies should be conducted and necessary approval from the competent authroty should be obtained. Aftr presentation, PP was asked to submit response on following:

1. Since it is existing mine, PP has to submit yearwise production details from 2009 to 2014.
2. Being an existing mine and mining has alreedy reached below 06 meter depth, compliance of DGMS conditions should be submitted.
3. Input values of modeling data should be provided.
4. PP should justify for selection of only one surface water sampling point in EIA and also submit reason for very low value of DO.
5. Revised EMP incorporating cost of road maintainance and incorpoprating provisions for providing fixed type piped sprinklers for dust suppression.

PP has submitted the reply vide letter dated 06/12/2016 which was placed before the committee which was found satisfactory and acceptable. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Transportation of minerals shall not be carried out through forest area.
4. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
6. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
7. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
8. Production shall be as per the mining plan not exceeding for Bauxite- 35,588 TPA, Laterite -5,475 TPA & Fireclay -2,738 TPA.
9. No drilling and blasting is permitted for this project and if any time ground water table is intersected then hydrogeological studies should be conducted and necessary approval from the competent authority should be obtained by the PP.
10. No mining should be carried out below 06 meter depth, without the permission of DGMS.
11. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
12. Appropriate activities shall be taken up for social upliftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
13. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. The commitments made in the public hearing are to be fulfilled by the PP.
15. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
16. PP will comply with all the commitments made in by the letter dated 06/12/2016.

**22. Case No.-5319/2016 Shri Dr. Yunus Baksh, Ward No. 15, H.N.334/1, Near Noor Madarsa, Nagjhiri, Tehsil & District - Burhanpur, MP – 450331. Prior Environment**

**Clearance for Sand Quarry in an area of 5.5 ha. (25,385 cubic meter per year) at Khasra no.-272, Village-Borgaon Khurd, Tehsil - Burhanpur, Dist. Burhanpur (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.-272, Village-Borgaon Khurd, Tehsil - Burhanpur, Dist. Burhanpur (MP) 5.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 3479 dated: 24/8/15 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 10.50 ha including this mine.

Earlier the case was discussed in SEAC-II 46<sup>th</sup> meeting dated: 26/08/2016 where it was observed that:

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

The case was presented by the PP and their consultant in the 50<sup>th</sup> SEAC II meeting dated 20/09/2016 and during presentation it was observed that the lease is sanctioned by the office of collector, Burhanpur vide letter dated 27/06/2016. It was also observed as per the Google image of October 2015 based on the co-ordinates provided by the PP that approximately 50% of the lease area is submerged in water and thus PP was asked to provide operational production map. As per the operational production map, it was observed by the committee that only 15,000 cum/year sand is available. 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’:

- Production of Sand as per mine plan with quantity not exceeding 15,000 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.

SEIAA vide letter no. 4472/SEIAA/16 dated 25/11/2016 has sent back the file for re-appraisal as “from the Google map it is observed that the mining site is in close proximity of Railway Bridge” and same was placed before the committee. Committee observed that as per the Google image based on the co-ordinates provided by the PP, the railway bridge is at a distance of approx 175 meters away on the Northern side of the lease. As per MMR, 1996 the minimum distance criteria is 100 meters from railway line and bridge. However, as per “Sustainable Sand Mining Guidelines, 2016”, published by MoEF&CC minimum 200 meters area is to be left as non mining area from the bridge. Thus committee after deliberations decided that PP may be asked to leave minimum 200 meters area is to be left from the rail bridge as per “Sustainable Sand Mining Guidelines, 2016”, published by MoEF&CC and other conditions remains same as per the minutes of 50<sup>th</sup> SEAC II meeting dated 20/09/2016.

**23. Case No. -5171/16 Shri R.K. Nema, DGM, MP State Mining Corporation, Paryavas Bhawna, Block-A, 2nd Floor, Jail Road, Arera Hills, Bhopal (MP)-462011 Prior Environment Clearance for River Sand Quarry in an area of 0.405 ha. (5,265 cum/year) at Khasra No.-181/1, Village-Rajon, Tehsil-Babai, District-Hoshangabad (MP)**

This is case of River Sand Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No.-181/1, Village-Rajon, Tehsil-Babai, District-Hoshangabad (MP) 0.405 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.3988,

dated: 24/3/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of -39.405 ha including this mine.

The case was presented by the PP (OIC, MP State Mining Corporation Ltd.,) and their consultant in the 26<sup>th</sup> SEAC II meeting dated 24/05/2016 and during presentation it was observed that concerned Mining Officer vide letter no.3988, dated: 24/3/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of -39.405 ha including this mine. It being a case of cluster where the total area is > 25 ha. it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with some additional TORs and the TOR was issued to the PP vide letter dated 28/05/2016.

PP vide letter dated 22/12/2016 has submitted a request that the case no. 5171/16 may be transferred to DEIAA as the area is only 0.405ha with following details of mines which are in a cluster:

Sl. No.	Name of Mine	Khasra No.	Area in ha.	Case no.	Present status of case	Remarsk
1.	<b>Rajon</b>	181	4.00	2962/15	Transferred to DEIAA vide SEIAA letter no.4027-28/SEIAA/16 dated 13-10-16.	--
2.	<b>Rajon</b>	181/1	0.450	5171/16	Case under consideration.	--
3.	<b>Rajon-1</b>	181/1	17.500	3435/15	EC issued by SEIAA vide letter no. 10260 61/SEIAA/16 date 05-01-16	EC issued on 05/01/2016 and hence will not be considered under cluater approach as per notification dated 01/07/2016.
4.	<b>Rajon-2</b>	181/1	17.500	5165/16	Recommended for EC by SEAC II in the 53rd meeting dated 13/10/2016.	Lease sanctioned prior to 09/09/2013 hence will not be considered under



						cluster approach as per notification dated 01/07/2016.
--	--	--	--	--	--	--------------------------------------------------------

The committee after scrutiny of the documents observed that the mine in question is of 0.405 ha and the status of remaining three mines in cluster is as above. Since case no.5156/16 (Rajon 2) is sanctioned prior to 09/09/2013 and other mine (case no. 3435/15) has already got EC prior to 15/01/2016 hence both these mines will not be considered in the cluster as per the MoEF&CC notification dated 01/07/2016 and thus the case no. 5171/2016 is recommended for transfer to DEIAA through SEIAA.

**24. Case No. 3568/15 Shri Foulad Singh Patel, Authorized Signatory, M/s Khare Construction Company, Sub Lessee, M.P. State Mining Corporation Ltd., Vill.-Samnapur, Teh.-Kareli, Narsinghpur (MP)-487770 Prior Environment Clearance for approval of Sand Mining in an area of 22.07 ha. (60,000 cum/year) at Khasra No.-326, Vill.-Neemkheda, Teh.-Shahpura, District-Jabalpur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed at Khasra No.-326, Vill.-Neemkheda, Teh.-Shahpura, District-Jabalpur (MP) 22.07 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.1960 dated: 15/10/2015 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vide letter no. 905/SEIAA/16 dated 23/04/2016 forwarded that replenishment plan submitted by the PP.

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 November, 2015 based on the co-ordinates provided by the PP it was observed that part of lease area is submerged in water and a road bridge is in existence towards the eastern side of the lease. The committee after deliberations decided that PP may be asked to submit land use plan of the lease area and 500 meters location plan.

PP vide letter No. 1065 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.

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

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

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

**(Anil Kumar Sharma, Member.)**

**(Sonal Mehta, 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.
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.