

The 308<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 24 February, 2018 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. Sonal Mehta, Member.
3. Shri Prashant Shrivastava, Member.
4. Shri R. Maheshwari, Member.

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

1. **Case No. - 5485/2016 Chief Executive Officer, Katni Development Authority, National Highway Road, 07, Dugadi Nala, Katani (M.P.)- 483504 Katni Integrated Township Project Promoted by: Katni Development Authority Katni , Khasra No. 691, 692, 699, 700, 703, 704, 705/1, 722/1 K, 722/1, KH & 723. Village – Jhijuri, National Highway Road, Tehsil – Katni, District-Katni (MP), Total Plot Area – 8,56,000 sqm. Cat. 8 (b) Case. For-Building Construction. Cat. 8 (b) Township and area development Projects. EIA Consultant: M/s Eco Pro Engineers Pvt.Ltd, Ghaziabad.**

### **Project Description**

The proposed project is for development of integrated township which will comprise of development of residential plots (3,38,746.24 Sq. mt.), group housing area (11,526.24 Sq. mt.), commercial areas (39,342.94 Sq. mt.) and amenities like bank (2561.39 Sq. mt.), police chowki (1153.93 Sq. mt.), health centre (3,580.50 Sq. mt.), hospital (13,626.07 Sq. mt.), community hall and library (5,173.33 Sq. mt.), nursery, primary & high schools (16651.7 Sq. mt.).

### **Location of the project**

Katni Development Authority, Katni has proposed to set up integrated township at Khasra Nos. 691, 692, 699, 700, 703, 704, 705/1, 722/1 K, 722/1 KH & 723 Village- Jhijhri, Tehsil - Katni, District - Katni, State – Madhya Pradesh.

The need of proposed project is quite eminent as it will:

- Increase the infrastructure of the area.
- Provide healthy, aesthetic and safe premises.
- Provide a better living to the people along with amenities like commercial buildings, schools, health care facilities, banking facility, police chowki etc.

Earlier this case was presented by the PP and their consultant in **286<sup>th</sup> SEAC Meeting dated 28/01/2017** for issuance of TOR to carryout EIA studies with site specific details. During presentation it was informed to the PP that they have not submitted the declaration regarding no construction/developmental activities undertaken by them at site and DFO letter regarding distance from nearest Forest, National Parks and Sanctuary should be submitted with EIA report. Committee also recommends that site visit may be undertaken and additional TOR (if any) may be issued after the site visit. PP informed that they are carrying the declaration and submitting the same. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of existing trees on the site and their management plan should be submitted with EIA report.
2. Drainage pattern of the area with Environmental Management Plan on nearby drains should be discussed in the EIA report.
3. One monitoring station should be established near the forest area reported to be 4.72 kms away from the site as per Form-1.
4. Worst case scenario should be studied and calculated on the basis of maximum possible FAR which can be utilized by the owners for all the facilities such as water demand, waste water treatment, MSW generation and disposal etc.
5. The site visit will be carried to see site conditions specially the proximity of river, site drainage etc, after which additional ToR may be issues, if necessary.

PP has submitted the EIA Report vide letter no. 4347 dated 22/02/2017 which was forwarded by SEIAA to SEAC vide letter no. 1570 dated 22/01/18

EIA was presented by the PP and their Consultant. During presentation PP submitted that 20 tree falling is proposed for which necessary approval from the competent authority will be obtained. Committee also suggested that RWH pits shall be developed before commencing the construction activities. The total fresh water requirement for the project is 3507 KLD. After presentation, PP was asked to submit response on following:

- 1) Copy of all the NOC's obtained from Municipal Corporation i.e. for fresh water supply, Sewage Discharge, MSW Disposal etc.
- 2) Open area should be bifurcated in the green belt area and other area. Complete landscape plan with number of trees and their species shall be submitted.

- 3) Revised species of plantation as suggested by the committee during presentation.
- 4) Proposal and details of dual plumbing proposed for this project.
- 5) Proposal for providing solar lights and budgetary provisions.
- 6) Details of solid waste generated during construction and its disposal plan.
- 7) High values of TDS are reported in the GW analysis for which justification with reason should be provided.
- 8) Number of ETP's proposed and their location marked on layout map should be submitted.
- 9) Complete details with sizes of each component of ETP should be provided.
- 10) Details of curtaining proposed during construction phase shall be submitted.
- 11) As suggested by committee, proposal for peripheral drainage should be submitted.
- 12) All the original laboratory reports with copy of NABL Certificate of concerned laboratories shall be provided.
- 13) Revised EMP with bifurcation in capital and recurring cost shall be provided.

**2. Case No.-5285/2016 M.P. State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor, Jail Road, Bhopal. Prior Environment Clearance for Bauxite Mine in an area of 4.90 ha. (50000 TPA) at Khasra No. 3852 & 3853 at Village-Tikar, Tehsil - Huzur, Dist. Rewa (MP) (EIA CONSULTANT: M/s Creative Enviro Services, Bhopal).**

This is case of Tikar Bauxite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 3852 & 3853 at Village-Tikar, Tehsil - Huzur, Dist. Rewa (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

**Environment setting**

Particulars	Details
Locations	
Village	Tikar
Tehsil	Huzoor
District	Rewa
State	MP
Nearest National/state Highway	Govindgarh – Rewa MDR Road - 4.50 km - NW
Nearest Railway Station	Rewa - 23.75km - NW
Nearest Airport	Churhata Rewa - 23.25km - NW
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	Govindgarh Reserved Forest

radius (Boundary to boundary distance)	
Nearest major city with 100000 population	None within 10km radius
Nearest village	Bilhilihatola - 3.80km - N
Nearest Town	Rewa - 20km - N
Physiography	Hilly
Elevation	647-621m AMSL
Slope	Radial
Nearest River	Son River -9.50 km - SE Bichya nadi -7.15 km - N Banas River - 10.0km - SE
Nearest nalla/ pond/canal	Phapho nala - 5km -S Kataha nala - 4.30km- S Pakariar Nala - 4.15km -N Marhawal Nalla - 5.80km – SSE Canal - 1.50km - S
Nearest hill/valley	Jaliadhar Pahar

**Salient feature of the lease area**

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease Area	4.90ha
Existing Pits & Quarries	3.55 ha
Existing mineral stack	0.68 ha
Infrastructure and road	0.10ha
Plantation	0.15 ha
Total geological Reserve	1545660mt
Total Minalable Reserve	865252 mt
Method of mining	OTFM
Ultimate Depth of Mining	612mRL
Expected Life of Mines	20 years
Stripping Ratio	1:0.15
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	4.50 ha
Area to be reclaimed till conceptual period	4.50ha
Area to be rehabilitated by afforestation in conceptual period	4.90ha
Area to be covered under water reservoir	Nil
Ground water table	
Monsoon period	60m (561 m AMSL)

Dry month	70 m (551 m AMSL)
Production per day (MT) (275 working day)	182
Truck per day (24 MT)	8
Requirement of metal	Aluminum plants and Cement plants
Supply location	All over India

**GEOLOGY OF THE MINE**

<b>Geology and deposit appraisal</b>	
Local geology	Bauxite like other high level deposits, occurs in the laterite profile as lenses and as irregular segregations in the blanket of laterite at high altitude. Bauxite has also been encountered at lower level, which may be secondary i.e. either detrital or removed to lower levels by breaking-off of scarp known's as "Scrap retreat" and has been included in the float deposit. The enrichment of alumina at places has given rise to good quality massive Bauxite, the thickness of which exclusively established upto 18m and is in lenticular form.
Lithology	<b>0.0 to 0.50m</b> - Lateritic Soil <b>0.0 to 0.50m</b> - Pilolitic Laterite/ Upper Laterite 12.0 to 18.0m – Upper Aluminous Laterite Bauxite Lower aluminous laterite
Borehole	20m depth
Lease area	4.90ha
Mineable area	4.50ha
Mineral depth	9m bgl (upto 612m AMSL)
AMSL	Max. – 647m and min. - 621m
Height of bench and no of bench	Existing – 1 & 3m and 5 no. Proposed – 1& 6m and 5 no.
Width of bench	Min. 6m
Width of haulage road	10m
Gradient	1:16

**Post land use plan**

<b>Items</b>	<b>Existing</b>	<b>At the end of conceptual period</b>
<b>Total lease area</b>	<b>4.90 ha</b>	
Mineable area	4.50 ha	

Ultimate depth of mining	7mbgl (614m AMSL)	9m bgl (612 m AMSL)
Ultimate pit slope	Nil	45 °
Area under mineral store	0.68 ha	Nil
Area under pits	3.55 ha	4.50ha
Area to be reclaimed	Nil	4.50 ha
Infrastructure & Road	0.10 ha	Nil
Plantation	0.15ha	4.90ha
Water body	0.50 ha	Nil

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.-1157 dated: 18/05/16, has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier case was presented by the PP and their consultant in the 41<sup>st</sup> SEAC-II meeting Dated 26/07/2017 wherein it was recorded that: 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. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Transportation plan & traffic management plan should be discussed in the EIA report.
3. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
4. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
5. Compliance of consent conditions of M. P. Pollution control Board from concerned Regional Office.
6. Year wise details of minerals already excavated till date should be submitted with EIA report.
7. Afforestation plan with some species of meditational plants.

The PP has submitted the EIA report vide letter dated 23/11/17, which was forwarded by the SEIAA vide letter no. 1329 dated 12/12/2017.

The case was scheduled for the presentation 302<sup>nd</sup> SEAC meeting did not date 22.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which

might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in 304<sup>th</sup> SEAC meeting dated: 15/01/2018 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

PP and their consultant were present for the EIA presentation wherein it was observed by the committee that the ML lies in the forest area and the earlier FC is expired. Further it has been specified in MoEF&CC letter no. 8C/32/2002-FCW/180 dated 08.04.2015 that forest clearance was issued only for period of 10 years from the date of commencement of operation i.e. 2006 to 2016 and as on date extension of forest clearance is not available with the PP. During presentation PP was unable to provide any proof regarding the efforts made by them for extension of FC i.e. copy of application submitted to the competent authority for extension of FC clearance. Thus in the absence of any status of FC clearance case cannot be considered for grant of EC. Committee after deliberations decided that PP may be given an opportunity for submission of relevant documents for FC clearance as per MoEF&CC office memorandums within 30 days for further consideration of this project.

**3. Case No. - 5643/2018 M/s Devendra Minerals, 279, Civil Line, Tikamgarh, MP – 472001 Prior Environment Clearance for Pyrophyllite and Diaspore Mine in an area of 5.475 Ha.(11,213 ton per annum) (Khasra no. 18) at Village- Madkhera , Tehsil - Jatara, Dist. Tikamgarh (MP). EMP, Env. Consultant – Creative Enviro Services, Bhopal**

This is case of Pyrophyllite and Diaspore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 18) at Village- Madkhera, Tehsil - Jatara, Dist. Tikamgarh (MP) 5.475 Ha. The project requires prior EC before commencement of any activity at site.

The PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 1550 dated: 22/03/17 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the P.P and his consultant presented. The presentation and the submissions made by the PP reveals following:

1. During Presentation, it was reported that the mine is on small hillock having 17mt elevation difference.
2. Mine is surrounded by the agricultural land, habitation (250m).
3. Reserve detail has been discussed and found satisfactory, which is as per the approved mining plan. Geo technical details were also discussed and found satisfactory
4. As reported that water table is around 40 mts BGL and ultimate depth of working is proposed 18 mts BGL, hence water table will not be intersected.
5. PP has proposed to construct retaining wall with garland land all around the down slope of hillock to prevent the silt flow

**Environment setting**

<b>Particulars</b>	<b>Details</b>
Locations	
Village	Madkhera, Tehsil- Jatara, Dist - Tikamgarh (MP)
Height above mean sea level	335-318 m MSL
Nearest State Highway	SH 37 – Jhansi- Tikamgarh Road– 5.80 km
Nearest Railway Station	Tikamgarh -13.25 km
Nearest Airport	Air Strip - Lalitpur - 40.50 km.
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	No national parks and sanctuary in 10 km radius
Reserved / Protected forest within 10km radius (Boundary to boundary distance)	None within 10km radius
Nearest major city with 100000 population within 10km radius	None within 10km radius
Nearest Town / City within 10km radius	None within 10km radius
Nearest Village	Madkhera - 0.25 km - NW
Nearest River	Jamni River - 1.50km - SWS Sajnam River - 9.50km - WSW
Nearest Nalla	Seasonal Nala -Adjacent - Eastern Chandokha Nalla - 0.50km - W Gevara nalla - 1.75km- W Manpasar Nalla - 3.0km - S Pateriya Nalla - 7.50km - NW Pond - 7.50km - NW



**Co-ordinate of lease area**

COORDINATE	PILLAR NO. 1	PILLAR NO. 2	PILLAR NO. 3	PILLAR NO. 4	PILLAR NO. 5
Latitude	24° 52' 28.7"	24° 52' 21.1"	24° 52' 20.5"	24° 52' 15.9"	24° 52' 19.1"
Longitude	78° 46' 50.7"	78° 46' 46.2"	78° 46' 43.0"	78° 46' 39.3"	78° 46' 38.4"
COORDINATE	PILLAR NO. 6	PILLAR NO. 7			
Latitude	24° 52' 23.1"	24° 52' 27.3"			
Longitude	78° 46' 40.9"	78° 46' 44.0"			

It was reported by the PP that:

- The lease area of 5.475 hectares was originally granted in favour of **Devendra dhar Badgaiyan** for 20 year in 1984. After that lease was renewed for further 20 years. In year 2009 lease was transferred to M/s Devendra Minerals for balance period.
- No other lease area are located within 500m radius
- The lease area is defined as govt waste land
- The scheme of mining with progressive mine closure plan has been approved by DGM, Bhopal

**Salient feature of the lease area**

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	5.475 ha
Mineable Area	4.5540ha
Existing Pits & Quarries	1.27 ha
Existing Dumps	0.9730ha
Infrastructure and road	0.20 ha
Mineral Storage	0.58ha
Plantation	0.0360ha
Total Minable Reserve	915882 T
Proposed Capacity	11213 TPA
Method of mining	Semi-Mechanised
Ultimate Depth of Mining	18m bgl (300m MSL)
Expected Life of Mines	82 years
Lease Period	20years
Existing mode to transportation	Road

Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	4.5540 ha
Area to be reclaimed by Backfilling in conceptual period	3.5583 ha
Area to be rehabilitated by plantation in CP	4.34ha
Area to be covered under water reservoir	0.753 ha
Ground water table	40m bgl (278m MSL)
Assumed per day production	37T
Per day dumper requirement with capacity	2 dumper per day, capacity Of dumper 24T
Elevation	335-318 m MSL
Surrounding features	East- Nalla followed by Agricultural land West –Agricultural land followed by village road North – Agricultural land followed by village road South – Agricultural land followed by Nalla

## GEOLOGY OF THE MINE

<b>MINING DETAILS</b>
<b>Geology and deposit appraisal</b>
<p>Local geology belongs to the Polar formation of Bundelkhand Group and age wise it is of Recent age. The major litho unit is meta sedimentary/ metamorphic rocks having one hillock and the higher altitude is capped by pebble to boulder of quartz while comparatively lower level has the ore zone (Pyrophyllite and Diaspore) with quartzite and Phyllites. The occurrence of Pyrophyllite is found in irregular vein type of formation while Diaspore mineralization has been found with meager quantum and by volume Pyrophyllite is 30% and Diaspore is 2% of ore zone. Strike is NE to SW and dipping is 70°-75° to S.</p> <p><b>Structural findings</b> <b>Strike is NNE-SSW, and dipping is 70°-75° to S (regionally)</b></p> <p>The local litho set up point of view, the whole area is mineralized and influence among each mineral i.e. Pyrophyllite and Diaspore, approx. 5.475ha area is considered under G2 with an average 28m depth (on sloping topography up to ARL 300m) for mineral and is marked on Geological Plan and Sections.</p> <p>Following the Litho sequence with present exploration:</p> <ul style="list-style-type: none"> <li>• Murum/ Intercalated Siliceous Material</li> <li>• Pyrophyllite/ Diaspore/ Quartzite</li> <li>• Base - unknown</li> </ul> <p><b>OB:</b> Murum capping for 0.5m - 1.5m average then intercalated waste is in the form of weathered rock/</p>

quartzite/ quartz and average waste is considered 68%

Summarised of geological reserves and mineable reserves	
Particulate	Details
Total geological reserves	1218910.00m <sup>3</sup>
Indicated mineral resources (332) Pyrophyllite recovery 30% = 1218910 x 30% x 3.5	1279855.00 T
Indicated mineral resources (332) Diaspore - recovery 2% = 1218910 x 2% x 2.3	56069.00 T
Mineral block under barrier zone area –1228x 7.5x avg. 25	230250.00 m <sup>3</sup>
Pyrophyllite – 230250 x 30% x 3.5	241762.00T
Diaspore – 230250 x 2% x 2.3	10592.00T
Mineral block under maintaining slope – 180m2 x avg. 850m	153000.00 m <sup>3</sup>
Pyrophyllite – 153000 x 30% x 3.5	160650.00T
Diaspore – 153000 x 2% x 2.3	7038.00T
Total Block Mineral – Pyrophyllite – 241762+160650	402412.00 T
Total Block Mineral – Diaspore – 10592+7038	17630.00 T
Balance probable mineral reserve – Pyrophyllite (121 = 332-222) = 1279855-402412	877443.00 T
Balance probable mineral reserve – Diaspore (121 = 332-222) = 56069 – 17630	38439.00 T
Total probable mineral reserve – Pyrophyllite & Diaspore – 877443+38439	915882.00 T
First Two year production	20529.00 T
Proposed production capacity per year	11213.00 T
Hence mine life – balance Reserve /Production = 915882-20529 = 895353/11213+2	79.85+2 = 81.85 or 82 years

### Method of Mining

- Earlier the mining was being carried out by open cast manual method of mining using hand tools such as spades, chisel, hammer etc.
- Lumps of Pyrophyllite & Diaspore are being transported from pit bottom to surface manually on head load using pan and where ever required
- The waste is in the form of Murum as OB. Pyrophyllite is being transported by trucks/ dumpers to user industries. Loading of mineral in to truck dumper is being done manually.
- During the proposed mining, development will be around the working pit laterally & depth wise to develop the pit in a better scientific pattern and the proposed development is in two

places i.e. central part working and northeast part working and the production benches will be developed

- During the proposed working haulage roads 8-10m wide will be developed at required places, it will be laid at maximum 1: 16 gradient from surface stack yard to pit bottom at MSL 319m/ 306 m within bye roads to faces of individual benches
- During the proposal period, three production benches will be developed with height of 1 to 4.5m and
- During this proposal period, the applied area will be developed with 1 to 5 production benches of 1-4.5m height and width of benches will be as per DGMS requirements and not less than the height
- During the ensuing period approx 0.6211 ha fresh area will be developed and cumulative 1.8911 ha area will be developed with 18-20m depth and at the end of conceptual period about 4.5540 ha will be developed with ultimate depth up to 300m MSL.

<b>Details of existing OB dump</b>					
<b>Dump no</b>	<b>Type/quality</b>	<b>Base Area</b>	<b>avg ht-M</b>	<b>Quantity</b>	<b>Type active/ inactive</b>
D-1	Weathered siliceous lateritic soil & weathered quartzite rock	5388 m <sup>2</sup>	1-2M	8082 M <sup>3</sup>	Inactive
		170m <sup>2</sup>	1-2M	255 m <sup>3</sup>	Inactive
D-2.		243m <sup>2</sup>	1-2M	364 m <sup>3</sup>	Inactive
D-3.		771m <sup>2</sup>	1-2M	1156 m <sup>3</sup>	Inactive
D-4.					
D-5.		253m <sup>2</sup>	1-2M	379 m <sup>3</sup>	Inactive
D-6.		1642m <sup>2</sup>	1-2M	2463 m <sup>3</sup>	Inactive
		852m <sup>2</sup>	1-4M	2130 m <sup>3</sup>	Inactive
D-7.					
D-8.		260m <sup>2</sup>	1-2M	390 m <sup>3</sup>	Inactive
D-9.	151m <sup>2</sup>	1M	151 m <sup>3</sup>	Inactive	
	<b>Total</b>	<b>9730m<sup>2</sup></b>		<b>15370m<sup>3</sup></b>	

<b>Details of proposal period dump</b>					
<b>Dump no</b>	<b>Type/quality</b>	<b>Base Area</b>	<b>avg ht-M</b>	<b>Quantity</b>	<b>Type active/ inactive</b>

D-1	Weathered siliceous lateritic soil & weathered quartzite rock	5388 m <sup>2</sup>	1-2M	8082 M <sup>3</sup>	Inactive
D-6.		1642m <sup>2</sup>	1-2M	2463 m <sup>3</sup>	Inactive
D-7.		852m <sup>2</sup>	1-4M	2130 m <sup>3</sup>	Inactive
D-8.		260m <sup>2</sup>	1-2M	390 m <sup>3</sup>	Inactive
D-9.		151m <sup>2</sup>	1M	151 m <sup>3</sup>	Inactive
MW-1	MW-1	2100 m <sup>2</sup>	6-7m	14263 m <sup>3</sup> (after SF & CF - 112%)	Inactive

Budget Allocation for Plantation					
S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)	
	Within lease area				
1 <sup>st</sup>	Saplings, with soil work and pesticides	1000	350/-	3,50,000/-	
3 <sup>rd</sup> to CP	Saplings, with soil work and pesticides	7680	350/-	26,88,000/-	
	<b>Total</b>	<b>8680</b>		<b>30,38,000/-</b>	
	Along the transport and haul road and along the dump				
1 <sup>st</sup> year	Saplings, with soil work and pesticides and tree guard	140	350/-	49,000/-	
	<b>Total</b>	<b>140</b>		<b>49,000/-</b>	
	<b>Grand total</b>	<b>8820</b>		<b>30,87,000/-</b>	

ENVIRONMENT IMPACT & MANAGEMENT: Ecology: Stage Wise Cumulative Plantation REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Barrier zone green belt		Backfilled area		Bench		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.0360	40	Nil	Nil	Nil	Nil	Nil	Nil	0.0360	40
1 <sup>st</sup> to 2 <sup>nd</sup>	0.464	960	-	-	-	-	-	-	0.464	960
3 <sup>rd</sup> to conceptual period	-	-	3.5583	7120	0.2817	560	-	-	3.84	7680
<b>Total</b>	<b>0.50</b>	<b>1000</b>	<b>3.5583</b>	<b>7120</b>	<b>0.2817</b>	<b>560</b>	<b>-</b>	<b>-</b>	<b>4.34</b>	<b>8680</b>

### SOCIO ECONOMIC MEASURES

Proposed CRS Activities					
SN	Plan	Activity	Place of activity	Budgetary provisions (Rs in lakh)	
				Capital	Recurring
1		Scholarship of 5 students for higher		-	1.00

		education			
2	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers	Quarterly		1.00
3	Sanitation	Toilet facility provide with water tank and its maintenance at nearby villages Madkhera (02), Khera, Batwaha, Nandanpur (Two toilet each for man and women)	Yearly	10.00	2.00
4	Development of playground	Development of playground	Yearly	-	0.25
5	Need base activities under CSR	In consultation with respective gram panchyat of Bilbiliha, Godaha tola, Budhgauna, Birpur	Yearly	1.50	2.20
			<b>Total</b>	<b>11.50</b>	<b>6.45</b>

<b>Total Cost Lakh (EMP + CSR+ plantation + Monitoring )</b>		
<b>Particular</b>	<b>Capital</b>	<b>Recurring per annum</b>
Dust Suppression through tanker over 0.175km road * 5.0m (15Rs/km) Approx running per day 0.70km@300 day (over transportation road)	-	0.03150@0.05
Dust Suppression through tanker over 0.250 km road * 6.0m (20Rs/km) Approx running per day 1km@300 day (over haul road)	-	0.06
<b>Sub total</b>		<b>0.11</b>
Roads repair and Maintenance (0.175km x 5m@2.0lakh per Km)	-	0.35
Construction of transportation road -0.175km x 5m@9.0lakh	1.60	-
<b>Sub total</b>	<b>1.60</b>	<b>0.35</b>
Occupational health and safety exp. @28 workers Half yearly Medical Checkup facility for workers	1.50	0.50
<b>Sub-total</b>	<b>1.50</b>	<b>0.50</b>
Environmental Monitoring cost	31.50	7.76
<b>Sub-total</b>	<b>31.50</b>	<b>7.76</b>
Plantation along the village road (140no.)	0.49	-
Maintenance of Plantation (Along the village Road & lease area)	-	0.50
Plantation (Capital cost) within lease area (8680no.)	30.38	-
<b>Sub-total</b>	<b>30.87</b>	<b>0.50</b>
Fencing around the lease periphery (1228m @300 running meter)	3.68	0.61
<b>Sub-total</b>	<b>3.68</b>	<b>0.61</b>
Bund and retaining wall along the nalla for retaining of silica content (1223m long bund and retaining wall)	2.50	0.50
<b>Sub- total</b>	<b>2.50</b>	<b>0.50</b>

<b>Total EMP cost</b>	<b>71.65</b>	<b>10.33</b>
CSR cost	11.50	6.45
<b>Sub total</b>	<b>11.50</b>	<b>6.45</b>
<b>Grand Total</b>	<b>83.15</b>	<b>16.78</b>

The EIA/EMP and other submissions made by the PP found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Granite mining lease in an area of 5.475 ha. (11,213TPA) at Khasra No. 18 at Village –Madkhera Teh-Jatara, Distt-Tikamgarh- (M.P), subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

8. Blasting shall be carried out as per the approved mine plan.
9. Retaining wall along with drain shall be provided all around the down side of the hillock considering nallah flowing adjacent to the lease boundary. No mining shall be carried out within 50 meters of the natural drain.
10. Silica monitoring shall be carried out twice a year.
11. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
12. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover

preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 8680 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

13. Transportation of material shall be done in covered vehicles.
14. Transportation of minerals shall not be carried out through forest area.
15. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the DGM/IBM.
16. Garland drains 360mt L X 1.0mt D X 1.0m W, 250mt L X 1.0mt D x 1.0m W , 7 425mt L X 1.0m D x 1.0m W , 150mt L X 1.0m D x 1.0m W with 14 settling pits should be provided to avoid silt discharge. Three settling tanks (0.10ha X 6m and, 0.15ha X6m & 0.10ha X 4m) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
17. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 175 meters long and width 05 meters wide transport road for dust suppression.
18. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
19. The existing and proposed land use plan of the mine is as follows:

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	1.27	4.5540
2.	Dumps	0.9730	Nil
3	Infrastructure & Roads	0.20	Nil
4	Mineral storage	0.58	Nil
5	Plantation Area	0.0360	0.50
6	Un worked area	2.4160	0.421
	<b>Total</b>	<b>5.475</b>	<b>5.475</b>

20. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
21. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.



22. The commitments made in the public hearing are to be fulfilled by the PP.
23. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
24. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

25. The proposed EMP cost is Rs. 71.65 lacks and Rs. 10.33 lacks /year are proposed as recurring expenses out of which Rs. 30.87 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 0.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
26. Under CSR activity, Rs. 11.50 lacks and Rs. 6.45 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
27. The adequate budget shall be provided for the PH issue i.e. water supply to the villagers and protection measures like construction of retaining wall etc.
28. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
29. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
30. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
31. PP will comply with all the commitments made vide letter dated 24.02.2018.
32. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**4. Case No. - 5631/2018 Shri Umakant Patel, Village - Kakaiya, Dist. Mandla, MP – 492009. Prior Environment Clearance for Dolomite Mine in an area of 5.11 Ha. (66,479 ton per annum) (Khasra no.1448, 1449, 1450, 1452, 1454) at Village- Kakaiya, Tehsil - Bichhiya, Dist.) Mandla (MP).**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no.1448, 1449, 1450, 1452, 1454) at Village- Kakaiya, Tehsil -

Bichhiya, Dist.) Mandla (MP) 5.11ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 1039 Dated: 24/09/2015 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 09.74 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.

5. **Case No. - 5638/2018 M/s D S Construction, D-523, Suresh Nagar, Thatipura, Dist. Gwalior, MP – 464001 Prior Environment Clearance for Sand Quarry Deposit in an area of 23.0 Ha.. Proposed Capacity-67,500 cum per annum and Old Capacity-57,500 cum per annum (Khasra no. 173, 174) at Village- Badoni Kala, Tehsil - Datia, Dist. Datia (MP)**

This is case of Sand Quarry Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 173, 174) at Village- Badoni Kala, Tehsil - Datia, Dist. Datia (MP) 23.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 513 dated: 14/06/2016 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 46.00 ha including this mine.

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

6. **Case No. - 5621/2017 M/s S. R. Money Grow Company, Shri Rambir Singh Sikarwar, Plot No. 11, First Floor, Gomti Colony, Nehru Nagar, Bhopal, MP – 462003 Prior Environment**

**Clearance for Sand Mine in an area of 6.355 Ha.. (3040 cum per annum) (Khasra no. 1) at Village- Kelaras, Tehsil - Shadora, Dist. Ashoknagar (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 1) at Village- Kelaras, Tehsil - Shadora, Dist. Ashoknagar (MP) 6.355 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 1000 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. Nil dated: Nil has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled in 304<sup>th</sup> SEAC meeting dated: 15/01/2018 wherein it was recorded that: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today this case was scheduled for presentation wherein it was recorded that Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 304<sup>th</sup> SEAC meeting dated: 15/01/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even it 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. - 5637/2018 Shri Gaya Prasad Agrawal S/o Shri Jagdish Prasad Agrawal, Village - Amarkantak, Tehsil - Pushparajgarh, Dist. Anuppur, MP – 484886 Prior Environment Clearance for Stone Quarry in an area of 7.639 Ha.. (41,249 cum per annum) (Khasra no. 407/13, 406/4, 406/6, 406/7, 419/3k, 419/3kha, 407/1, 408/1) at Village- Bartola, Tehsil - Pushparajgarh, Dist. Anuppur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 407/13, 406/4, 406/6, 406/7, 419/3k 419/3kha, 407/1,408/1) at

Village- Bartola, Tehsil - Pushparajgarh, Dist. Anuppur (MP) 7.639 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 401 dated: 08/09/2017 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein following details were provided by the PP:

S. No	Particulars	Details				
1	<b>Name of the project &amp; its location:</b>	<b>7.639 Hectare Bartola Stone Quarry Of Gaya Prasad Agrawal S/o Shri Jagdish Prasad Agrawal At Village-Bartola, Tehsil-Pushparajgarh Dist. Anuppur (M.P)</b>				
2	Name of the Company, Address Tele No. & E-mail :	<b>Gaya Prasad Agrawal S/o Shri Jagdish Prasad Agrawal Village- Amarkantak, Tehsil-Pushparajgarh Dist. Anuppur (M.P) 484886 Email: gpa201718@gmail.com Contact No.: 7909557920</b>				
3.	Latitude and Longitude of the project	<b>COORDI NATE</b>	<b>PILLAR NO.A</b>	<b>PILLA R NO.B</b>	<b>PILLAR NO.C</b>	<b>PILLA R NO.D</b>
		Latitude	22°58'11.91 "N	22°58'1 2.48"N	22°58'16.86 "N	22°58'22 .72"N
		Longitude	81°27'55.88 "E	81°27'5 3.25"E	81°27'53.07 "E	81°27'53 .25"E
		<b>PILLAR NO.E</b>	<b>PILLAR NO.F</b>	<b>PILLA R NO.G</b>	<b>PILLAR NO.H</b>	<b>PILLA R NO.I</b>
		22°58'22. 81"N	22°58'26.64 "N	22°58'3 0.03"N	22°58'31.99 "N	22°58'33 .15"N
		81°27'55. 56"E	81°27'58.01 "E	81°28'0 1.03"E	81°28'01.99 "E	81°28'03 .26"E
		<b>PILLAR NO.J</b>	<b>PILLAR NO.K</b>	<b>PILLA R NO.L</b>	<b>PILLAR NO.M</b>	<b>PILLA R NO.N</b>
		22°58'33. 08"N	22°58'27.97 "N	22°58'2 6.51"N	22°58'15.03 "N	22°58'15 .22"N

		81°28'04. 07"E	81°28'03.47 "E	81°28'0 2.29"E	81°28'00.09 "E	81°27'59 .02"E
4.	If a Joint venture, the names & addresses of the JV partners including their share	<b>Lease Owner</b>				
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	<b>New Lease Area 7.635 Hect. Mineral – Basalt- Capacity : 41249 Cu.m Per Year Lease Period- 10 Year (17-18 to 26-27)</b>				
6	Whether the project is in the Critically Polluted Area (CPA):	<b>No.</b>				
7	Cost of the project :	<b>16 lakhs (Approx.)</b>				
8	Employment generated/to be generated:	<b>15-20</b>				
9	Benefits of the project:	<b>It's a mine of Basalt mineral.</b>				
9	Whether new or expansion project. If expansion: (i) from ..... MT to ..... MT (ii) ii What is the % of expansion	<b>It's a new project.</b>				
10	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	<b>No</b>				
11	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	<b>No</b>				
12	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.	<b>N.A.</b>				
13	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific	<b>N.A.</b>				

	reconsideration(s) being sought by the proponent)	
14	If the project was considered in EAC, Pl. gives dates of the meeting (s).	<b>No</b>
15	Type of Mine: (Open cast/Underground/mixed)	<b>Open cast Mine</b>
16	Capacity of the mine applied for	<b>7.369 Hect.</b>
17	ML Area i. As per block allotment ii. As per approved mine plan	<b>7.369 Hect.</b>
18	Date of approval of mine plan, mine closure plan, status & date	<b>Approval Letter no. 2007 Date. 30.12.2017</b>
19	Date of Board's approval:	<b>No</b>
20	Date of Ground water clearance:	<b>No</b>
21	Date of mine closure approval	<b>Mine lease is approved for the period of 10 years from 30.12.2017</b>
22	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	<b>Details of EMP &amp; CSR is given below:</b>

<b>ANNUAL COST OF ENVIRONMENTAL PROTECTION MEASURES</b>			
<b>Sr. No.</b>	<b>Environmental Management</b>	<b>Details of expanses</b>	<b>Expenses per Year (in Rs.)</b>
1.	EMP Cost	Production cost @ Rs. 200 / cu.m. Total production cost = Rs. 8249800 (41249 m <sup>3</sup> ) EMP cost = 3 % of total production cost	247494.00
a	Dust suppression (Haul Road Length = 500 M X 6 M)	Water cost = @ Rs. 100 / tanker * 3 * 240 days	72000.00

b	Development of green belt area	Budgetary provision for plantation and its maintenance @ Rs. 200/plant * 80 plants = Rs. 16000/- Gardener Expenses = Rs. 60000/- Other Expenses = Rs. 24000/-	100000.00
c	Environment Monitoring	Annual monitoring cost ( six monthly basis one sample of Air/Water/Noise Level) @ Rs. 30000	60,000.00
d	Reclamation/Rehabilitation	Not Require	Nil
e	Miscellaneous		15494.00
<b>Total</b>			<b>247494.00</b>

**ANNUAL COST CSR ACTIVITIES**

Sr. No.	CSR Activities	Details of expenses
<b>1</b>	<b>Total CSR budget</b>	<b>Total production = 41249 cu.m.</b> <b>Profit per cu.m.=Rs. 100 =</b> <b>Rs. 4124900</b> <b>Budget for CSR @ 3 % of the total profit</b>
a.	Construction of Classrooms and Sanitation facilities in nearby School.	40 % of annual CSR budget
b.	Distribution of Books and other stationeries to the children of nearby school.	30 % of annual CSR budget
c.	Health camps	15 % of annual CSR budget
d.	Energy conservation awareness through distribution of solar lamps.	15 % of annual CSR budget

Total					
3	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.		Details are given below:		
	A	B	C		D
Year	Plantation during the year (No. of saplings)	Area covered during the year in m <sup>2</sup>		Survival rate%	Remarks location/ Species
		BARRIER ZONE	Green belt Nos./area (Sqm)		Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>
2017-18	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Kachnar-20 Nos., Plantation @ 1/3 m <sup>2</sup>
2018-19	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>
2019-20	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Kachnar-20 Nos., Plantation @ 1/3 m <sup>2</sup>
2020-21	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>
2021-22	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>
2022-23	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>



	2023-24	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Kachnar-20 Nos., Plantation @ 1/3 m <sup>2</sup>
	2024-25	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>
	2025-26	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Kachnar-20 Nos., Plantation @ 1/3 m <sup>2</sup>
	2026-27	80	1860.2	80/1860.2	80	Neem -20 Nos., Sissoo-20 Nos., Mango-20 Nos., Awala-20 Nos., Plantation @ 1/3 m <sup>2</sup>
	Total	800	18602 m <sup>2</sup>	800/18602	80	
333 No. of additional trees will be planted both side of the 500 mtr. Long haul road within the time period of 10 years.						
4	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.		<b>No</b>			

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

1. The gradient of the QL is very high thus haul road layout commensurate to the gradient shall be submitted.
2. As per the Google image of November, 2016 on the both side of lease natural drains are in existence thus Pp was asked to submit revised map leaving 50 meters area for the natural drain as per MMR, 1996.
3. Drawing and design of garland drains and settling pits on surface map considering peak rainfall and existence of natural drain on both sides of the lease.
4. Revised plantation scheme as suggested by the committee.
5. Proposal for overhead sprinkling system with budgetary provisions in EMP.
6. Proposal for 03 meter MS wall all around the crusher with budgetary provisions in EMP.
7. Revised EMP with bifurcation in capital and recurring.
8. Proposal for occupational health survey for the workers with their number.

**8. Case No. - 5639/2018 M/s Sumer Marble, Village - Tilehri, Tehsil - Bahoriband, Dist. Katni, MP – 440008. Prior Environment Clearance for Marble Mine in an area of 7.620 Ha. (40,810 MT/Annum) (Khasra no. 585 (Part), 586 (Part), 587 (Part), 588, 598) at Village- Tilehri, Tehsil - Bahoriband, Dist. Katni (MP)**

This is case of Marble Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 585 (Part), 586 (Part), 587 (Part), 588, 598) at Village- Tilehri, Tehsil - Bahoriband, Dist. Katni (MP) 07.620 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no.5192 dated: 18/11/2014 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 14.06 ha including this mine.

**Salient features of the project**

Particulars	Details
Name of the project & its location	Tilehri Marble Mines (Area – 7.620 Ha.) Production capacity of 40810 MT per year
Name of the Company, Address Tele No. & E-mail	M/s Sumer Marble, 177, Radhika Vihar, Quetta, Colony, Nagpur – (MH), <a href="mailto:pj.tank@yahoo.com">pj.tank@yahoo.com</a> , 07122764667
Latitude and Longitude of the project	<p><b><u>Shown on the Surface Geological Plan as Follows:</u></b></p> <p>Pillar No. BP1: 23°37'11.9"N 80°11'21.7"E  Pillar No. BP2: 23°37'7.7"N 80°11'21.8"E  Pillar No. BP3: 23°37'7.9"N 80°11'22.6"E  Pillar No. BP4: 23°37'5.45"N 80°11'23.23"E  Pillar No. BP5: 23°37'6.25"N 80°11'26.79"E  Pillar No. BP6: 23°37'3.62"N 80°11'27.05"E  Pillar No. BP7: 23°37'3.90"N 80°11'32.45"E  Pillar No. BP8: 23°37'10.45"N 80°11'33.54"E  Pillar No. BP9: 23°37'12.13"N 80°11'32.64"E  Pillar No. BP10: 23°37'13.01"N 80°11'26.60"E</p>
Toposheet No.	64A/2
Khasra No.	585 (part), 586 (part), 587 (part), 588, 589, 598
OWNERSHIP/OCCUPATION	Govt. & Pvt. Waste land
If a Joint venture, the names & addresses of the JV partners including their share	M/s Sumer Marble, 177, Radhika Vihar, Quetta, Colony, Nagpur – (MH)
Project brief: nature of proposal	Existing Project for Tilehri Marble Mines, leases area- 7.620 Ha. Post

(new/expansion,) total area- land use, project components, connectivity to the site etc	& Village- Tilehri, Tehsil - Bahoriband, District - Katni (MP)
Whether the project is in the Critically Polluted Area (CPA):	No
Cost of the project :	1.50 Cr.
Employment generated/to be generated:	Unskilled labour -17 Supervisory staff-1 Part time mining engineer*-1 Permit manager -1 Time keeper/store keeper cum first aider Mali/ watchmen /pump operator-1
Benefits of the project:	The unit has made good efforts for the extending the benefits to the people of the area. For the purposes to meet socioeconomic development objectives, M/s Sumer Marble has retained dedicated staff for having regular touch with local surrounding villages/villagers to monitor the implementation of various programme made by the project authority, Social welfare activities are being taken up on a large scale for the area
Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion	Existing Project for Tilehri Marble Mines, leases area- 7.620 Ha. & Production capacity of 40810 MT per year
If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	This is a existing mine project
If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	This is a existing mine project
No. and Date of the ToR /and revised ToR, if any, letter issued by the authority.	NA
No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	NA
If the project was considered in EAC, Pl. gives dates of the meeting (s).	NA
Type of Mine: (Open cast/Underground/mixed):	Open cast semi mechanized method of mining is being carried out and it will continue in future
Capacity of the mine applied for	Production capacity of 40810 MT per year
ML Area i. As per block allotment ii. As per approved mine plan	I. Leases area- 7.620 Ha. II. Leases area- 7.620 Ha.

Date of approval of mine plan, mine closure plan, status & date	24.07.2017, approval Letter Number :-15083/-2 /न.,क.28/2017				
Date of Board's approval:					
Date of Ground water clearance:	NA				
Date of mine closure approval	24.07.2017, approval Letter Number :-15083/-2 /न.,क.28/2017				
Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost.	<b>Sno</b>	<b>Need Identified For CSR Plan</b>	<b>Activities</b>	<b>Duration</b>	<b>Budgetary Provision (Rs.) Per Annum</b>
	1.	Total quality education for girls and adult education camps	Scheduled evening classes ensuring holistic quality education for drop outs or out-reach girls and adult education camps for illiterate women who have attained 30 years of age; who were not enrolled or required to be enrolled in primary school; and who: Lack sufficient of basic educational skills to enable them to function effectively in society; Do not have any diploma certificates and have not achieved an equivalent level of education; Are unable to read or write the Hindi and English	12 months	140000

		Languages.		
2.	Health and hygiene awareness camps and check-ups	Awareness generation and seasonal medical camps to “Keep Community disease free through prevention”. The diseases like diarrhea, malaria, dengue, hookworm etc. get spread due to irregular lifestyle and lack of knowledge. This CSR activity will be implemented taking an action in knowledge sharing how to adopt a healthy lifestyle and how to prevent unwelcoming diseases.	Quarterly	200,000
3.	Ensuring clean water and safe sanitation practices	Education and awareness generation campaign, wall writing, village level theme camps, participatory learning & action (PLA), village and local natural resource mapping	Monthly	100,000
4.	Vocational and skill training	Facilitating self-employment skill generation	Scheduled	100,000

		for ST/SC and BPL card holders	vocational training programmes for creating better self employment ventures through inducing skill among the women of youths & farmers of selected villages both on on-farm and off-farm activities based on need, interest and market potentiality. It will create better employment opportunities for the community.		
5.	Environment education & awareness including Tree plantation	<p><b><u>Nature Study:</u></b> Direct, firsthand observation and active, inquiry-based learning of the Natural World.</p> <p><b><u>Conservation Education:</u></b> Management and protection of Natural Resources, Biodiversity Conservation and Tree plantation</p> <p><b><u>Outdoor Education:</u></b> Live together away from home and learn new outdoor-oriented skills as a way to build self-esteem</p>	12 Months	140,000	

			and socialize the group. <b><u>Experiential Education:</u></b> Education in Behavior, Hand-on practices, Practical learning and model building.		
		<b>Total</b>			<b>6,80,000</b>
Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.					

**Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions:-**

S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
<b>1<sup>st</sup> Year</b>	Saplings	25	70/-	1750/-
	Earth work	25	50/-	1250/-
	Pesticides/insecticide		80/-	80/-
	Mali (worker)	1 No.	@ 200/- per sample	92,400/-
			<b>Total</b>	<b>92,400/-</b>
<b>2<sup>nd</sup> Year</b>	Saplings	150	70/-	1750/-
	Earth work	150	50/-	1250/-
	Pesticides/insecticide		80/-	80/-
	Mali (worker)	1 No.	@ 200/- per sample	92,400/-
			<b>Total</b>	<b>92,400/-</b>
<b>3<sup>rd</sup> Year</b>	Saplings	150	70/-	1750/-
	Earth work	150	50/-	1250/-
	Pesticides/insecticide		80/-	80/-
	Mali (worker)	1 No.	@ 200/- per sample	92,400/-
			<b>Total</b>	<b>92,400/-</b>
<b>4<sup>th</sup> Year</b>	Saplings	150	70/-	1750/-
	Earth work	150	50/-	1250/-
	Pesticides/insecticide		80/-	80/-
	Mali (worker)	1 No.	@ 200/- per sample	92,400/-
			<b>Total</b>	<b>92,400/-</b>

<b>5<sup>th</sup> Year</b>	Saplings	150	70/-	1750/-
	Earth work	150	50/-	1250/-
	Pesticides/insecticide		80/-	80/-
	Mali (worker)	1 No.	@ 200/- per sample	92,400/-
			<b>Total</b>	<b>92,400/-</b>
			<b>Grand total</b>	<b>4,62,000/-</b>

The case was presented by the PP and their consultants. After presentation, PP was asked to submit the following information:

- 1) Top soil management plan.
- 2) Revised plantation scheme as suggested by the committee.
- 3) Revised CSR as suggested by the committee.

PP vide letter dated 24/02/2017 has submitted the reply of above queries which was found satisfactory and acceptable to the committee. Hence the case was recommended for grant of prior EC for Marble Mine in an area of 7.620 Ha. (40,810 MT/Annum) (Khasra no. 585 (Part), 586 (Part), 587 (Part), 588, 598) at Village- Tilehri, Tehsil - Bahoriband, Dist. Katni (MP) subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

8. Zero discharge condition shall be maintained.
9. Prescribed safety norms for wire saw operators and workers shall be followed.



10. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1600 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
11. Transportation of material shall be done in covered vehicles.
12. Transportation of minerals shall not be carried out through forest area.
13. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the DGM/IBM.
14. Garland drains 1000mX01mX01m with 02 settling tanks of total 7850 KL should be provided to avoid silt discharge. Garland drain shall be connected with settling tanks for proper sedimentation.
15. Water sprinkling through tankers should be provided on 1.20 Km long and 06 meter wide transportation road. However, regular water spraying should also be practiced on haul road for dust suppression.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits should be carried out.
17. The existing and proposed land use plan of the mine is as follows:

<b>SNO</b>	<b>ITEMS</b>	<b>PRESENT (HA.)</b>	<b>CONCEPTUAL PERIOD (HA.)</b>
A	Pits & Quarry	1.560	2.820
B	Dump of Waste &	0.671	0.726
C	Overburden	0.040	0.040
D	Office & Store	0.030	0.030
E	Road	0.020	1.125
F	Plantation Un worked area	5.299	2.879
	<b>Total Area</b>	<b>7.620</b>	<b>7.620</b>

18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.

19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

23. The proposed EMP cost is Rs. 23.40 lacks and Rs. 17.72 lacks /year are proposed as recurring expenses out of which Rs. 07.50 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 05.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
  24. Under CSR activity, Rs. 08.00 lacks and Rs. 04.50 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
  25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
  26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
  27. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  28. PP will comply with all the commitments made vide letter dated 24.02.2018.
  29. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
9. **Case No. 32/2016 Shri Vidhyanath Sapera R/o Vill. Shankarpur, Distt. Gwalior (M.P.) Prior Environment Clearance for Stone quarry of area 2.5 ha. in Village, Kakhoda Tehsil – Ghatigaon Distt. Gwalior (M.P.)**

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 it

the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

10. **Case No.4550/15 M/s. S.R. Traders, Sub Lessee, M.P. State Mining Corp. Ltd., Shri Atul Gondal, E-5, Shop NO. 12 Metro Plaza, Bittan Market, Bhopal (M.P.) – 462 004. Prior Environment Clearance for approval of Sand Quarry in an area of 7.0 ha. (70,000 cum/Year) at Khasra No. 896/1 at Vill. Shahganj, Tehsil – Budhni, Distt. Sehore (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra No. 896/1 at Vill. Shahganj, Tehsil – Budhni, Distt. Sehore (M.P.) 7.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.-1784 dated: -10/7/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vides their letter no. 307/SEIAA/16 dated 02/04/2016 have forwarded the replenishment plan of the above lease.

Earlier this case was presented by PP and their consultant 17<sup>th</sup> SEAC-II meeting dated: 06/04/2016. During presentation, it was observed that as per the certificate issued by the DFO, Ratapani Abhayaran is at a distance of 8.0 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/324/2015 and date of submission is 09/11/2015. It was also observed during presentation as per the Google image of January, 2016 based on the co-ordinates provided by the PP that some parts of the lease area is submerged in the water and thus committee decided that 30 meters area of lease from the river side be left as no mining area as it is submerged in water. 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 70,000 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.

This case was scheduled in today's agenda (306<sup>th</sup> SEAC Meeting dated 27/01/2018) as SEIAA has forwarded this case vide letter No. 1458 dated 04/01/2018 stating that: **The case was discussed 461<sup>th</sup> SEIAA Meeting 26.12.2017 it was recorded that** *“PP has submitted a request letter dtd. 22.11.2017 mentioning that in the ESZ Notification of Ratapani & Singhori Wildlife Sanctuary published by MoEF & CC, GoI on dtd. 11.08.2017. The Eco Sensitive Zone in case of Ratapani & Singhori Wildlife Sanctuary has been fixed with an extend of 2 km. from the boundary of the Ratapani & Singhori Wildlife Sanctuary and it was requested that the ML area lies at distance of about 8.0 km from the Ratapani Wildlife Sanctuary & the specific conditions (no 13 & 14) as mentioned in Prior EC vide letter no. 1181 dt. 03.05.16 for Wild Life Clearance from NBWL may be withdrawn by SEIAA.*

*This case was discussed in the 319<sup>th</sup> SEIAA meeting dtd. 20.04.2016 and granted Prior EC subject to following specific conditions pertaining to the necessary wild life clearance from NBWL was imposed as under.*

1. *SEAC has put a condition for obtaining Wild Life Clearance from NBWL and PP has submitted application also. No mining activity shall commence till the Wild Life Clearance is given by the National Board for Wild Life. The OM dated 02.12.2009 shall be applicable in this particular case. Mining Officer, Sehore shall be responsible for compliance.*
2. *Grant of environmental clearance does not necessarily implies that wildlife clearance shall be granted to the project and that their proposals for wildlife clearance will be considered by the respective authorities on their merits and decision taken.”*

Based on above submission case was placed before in 306<sup>th</sup> SEAC Meeting dated 27/01/2018 for discussion wherein 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.

Today this case was scheduled for presentation wherein it was recorded that Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised

or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 306<sup>th</sup> SEAC Meeting dated 27/01/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case 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.

**11. Case No. - 5642/2018 Shri Ramchandra Singhal S/o Shri Nandlal Singhal, 983, Manak Choukk, Mhow, Dist. Indore, MP – 453441 Prior Environment Clearance for Stone Quarry in an area of 6.03 Ha.. (Murum – 9,700 cum per annum and Stone – 48,502 cum per annum) (Khasra no. 742/2) at Village- Billod , Tehsil - Dhar, Dist. Dhar (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 742/2) at Village- Billod, Tehsil - Dhar, Dist. Dhar (MP) 6.03 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no.1461 dated: 20/07/2017 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings 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.

**12. Case No. - 5619/2017 Mr. Sameer Khan S/o Shri Muneer Khan, 87, Shastri Ward, Pathak Lekhan Bahawan Ke Pass, Station Road, Bina, Dist. Sagar, MP – 473443 Prior Environment Clearance for Sand Auctioned Quarry in an area of 6.00 Ha. (4,000 cum per annum) (Khasra no. 363) at Village- Badouli, Tehsil - Moungaoli, Dist. Ashoknagar MP.**

This is case of Sand Auctioned Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 363) Village- Badouli, Tehsil - Moungaoli, Dist. Ashoknagar (MP) 6.0 Ha. The project requires prior EC before commencement of any activity at site.

The PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 218 dated: NIL has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for the presentation in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in 304<sup>th</sup> SEAC meeting dated 15.01.2018 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled for the presentation, wherein it was observed as per the Google image of May 2017 that approximately 80% of the ML area is submerged in water body, but committee observed that the demanded volume of 4000 cum/year can be evacuated from the remaining dried QL area. 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 4,000 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.
- The lease area should be clearly distinguished and earmarked at the site.

- A budgetary provision for Environmental management Plan of Rs. 01.50 lacks (capital) is made with a recurring expenditure of 2.80 Lacks. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return. Under CSR Rs. 01.50 lacks/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

**13. Case No. - 5615/2017 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1 South Tukoganj, Indore, MP – 452001 Prior Environment Clearance for Sand Deposit Quarry in an area of 12.500 Ha.. (3,75,000 cum per annum) (Khasra no. 277/1) at Village- Harrai, Tehsil - Chandala, Dist. Chhatarpur (MP).**

This is case of Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 277/1) at Village- Harrai, Tehsil - Chandala, Dist. Chhatarpur (MP) 12.500 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 1000 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 505 dated: 21/4/17 has reported that there are 01 more mine operating or proposed within 1000 meters around the said mine with total area of 24.0 ha including this mine.

The case was scheduled for the presentation 302<sup>nd</sup> SEAC meeting dated 22.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in 304<sup>th</sup> SEAC meeting dated 15.01.2018 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the

deliberation. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was again scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017 & 304<sup>th</sup> SEAC meeting dated 15.01.2018. 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.

**14. Case No. - 5614/2017 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1 South Tukoganj, Indore, MP – 452001 Prior Environment Clearance for Sand Deposit Quarry in an area of 10.0 Ha.. (2,40,000 cum per annum) (Khasra no. 1540/1) at Village- Padwar, Tehsil - Gourihar, Dist. Chhatarpur (MP).**

This is case of Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 1540/1) at Village- Padwar, Tehsil - Gourihar, Dist. Chhatarpur (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. NIL dated: NIL has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation 302<sup>nd</sup> SEAC meeting dated 22.12.2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was again scheduled for presentation in the 304<sup>th</sup> SEAC meeting dated 15.01.2018 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017. Committee decided to call the PP in subsequent meetings giving last chance to present their



case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was again scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 302<sup>nd</sup> SEAC meeting dated 22.12.2017 & 304<sup>th</sup> SEAC meeting dated 15.01.2018. 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.

**15. Case No. 5241/16 M/s Metal & Minerals, MIG-II-14, Opp. Jain Temple, Housing Board Colony, Katni, and MP. Prior Environment Clearance for Manganese Mine Project in an area of 4.906 ha. (10,800 TPA) at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP) EIA CONSULTANT:M/s Amalys Enviro Industrial Consultants, New Delhi.**

This is case of Manganese Mine Project. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP) 4.906 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was presented by the PP and their consultant in 35<sup>th</sup> SEAC-II meeting dated 03/07/2016 wherein it was recorded that It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.
2. As per the Google image a shed is in existence very near to the ML area thus its protection plan be discussed in the EIA report.
3. Top soil management plan be discussed in the EIA report.
4. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
5. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
6. Any alternate route avoiding the nearby habitations (if any).

PP has submitted the EIA report vide letter dated 17/10/2017 which was forwarded by the SEIAA vide letter no. 1066 dated 24/10/2017.

The case was scheduled for the presentation 297<sup>th</sup> SEAC meeting dated 08-11-17 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP vide letter dated 07/11/2017 has requested that due to unavoidable circumstances he is not in position to present the case and another opportunity may be given to him. Committee after deliberations 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 again scheduled for the presentation in the 299<sup>th</sup> SEAC meeting dated 07/12/2017 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. However, PP vide letter dated 06/12/2017 has informed that due to health issue their case may be reschedule in the next SEAC meeting. The committee after deliberations decided that on above request this case should be scheduled in the upcoming meetings of the SEAC for which a request has to be made by the PP.

PP has again submitted the EIA report as they have changed their consultant vide letter dated 06/12/2017 which was forwarded by the SEIAA vide letter no. 1325 dated 12/12/2017.

The EIA was presented by the PP and their consultant wherein PP was asked to address the issues raised in a complaint made by Shri Shalendra Jain forwarded by SEIAA vide letter no. 498 dated 22/05/2017 and 819 dated 21/06/2017. PP informed that both the complaints are regarding the allotment of lease and illegal mining thereof. PP further submitted that vide letter dated 31/10/2017 (forwarded by SEIAA vide letter no. 1107 dated 09/11/2017) he has submitted the reply in SEIAA & SEAC on the issues raised in the complaints. PP informed that lease on Khasra no. 151/1 for 4.906 ha was initially allotted to Sh. Mahesh Mishra vide office order no. F3-43/07/12/2 dated 02/03/2009 and later on was transferred to M/s Metals & Minerals, Katni. PP further submitted that Mining Officer, (in charge) Balaghat vide letter no. 845 dated 02/08/2017 has submitted a report to the collect orate, Balaghat stating that the mining is done within the allotted lease and no mining activities were observed as the lease area was filled with water. It is further stated in the report of mining officer that mining was done within the sanctioned lease area. PP has submitted the copy of above mining officer report. Committee after deliberations observed that the complaint is related to the allotment of lease and illegal mining which is replied by the Mining Officer, (in charge) Balaghat vide letter no.

845 dated 02/08/2017 wherein MO has clearly stated that the mining is done within the allotted lease area. During EIA presentation, following details were provided:

- ❖ The proposed Selwa Manganese Mine is located at Village– Selwa & District – Balaghat State – Madhya Pradesh over an area of 4.906 ha.
- ❖ Shri Mahesh Mishra for periods of 20 years dated 02.03.2009 vide Govt. of Madhya Pradesh, Mineral Resource Dept. Mantralaya, Bhopal vide order no. F-3-43/07/12/2.
- ❖ Later on, this mining lease was transferred in the name of M/s Metal & Minerals Vide State Government Order No. F-3- 4/11/12/2 dated on 02.04.2011.
- ❖ Terms of Reference (ToR) was issued by the State Expert Appraisal Committee Madhya Pradesh in its 35st meeting held during 3rd June 2016 and vide its letter 1152/PS- MS/MPPCB/SEAC-II/M/TOR (035)/2016 dated 18-07-2016.
- ❖ The Mining Plan has been approved by Regional Controller of Mines IBM, Nagpur and vide letter no. BGT/MN/MPCN-1017/NGP dated 16.03.2015.
- ❖ The proposed Selwa Manganese Mine lease is about 4.906-ha of land, as the proposed mine lease area is less than 50-ha of land, it is classified as “CATEGORY-B1”, as per the EIA notification dated 14th September 2006 & its subsequent amendments thereof.

#### **ENVIRONMENTAL SETTING**

<b>Sr. No.</b>	<b>Particulars in 10 km</b>	<b>Details</b>
<b>1</b>	<b>State Highway</b>	SH – 4 at distance of 4 km from mine site.
<b>2</b>	<b>National Highway</b>	Nil in 10 km
<b>3</b>	<b>State, National Boundaries</b>	Nil in 10 km
<b>4</b>	<b>Railway station</b>	Katangi Railway station at a distance of 1.68 km in NW direction.
<b>5</b>	<b>Airport</b>	Nil in 10 km
<b>6</b>	<b>Ecological Sensitive Areas (Wildlife Sanctuaries)</b>	Nil in 10 km
<b>7</b>	<b>Reserved/Protected Forests</b>	Pench Tiger Reserve at a distance of 10 km away in North direction.

<b>8</b>	<b>Town/ City with 2,00,000 population</b>	Nil in 10 km
<b>9</b>	<b>Seismic Zone</b>	Seismic Zone II (Low Damage Risk Zone)

**Life of mine**

The expected rate of production is expected to be around 10,800 TPA.

The anticipated life of mine will be as follows -

Total production during first 5 years = 54000 Tonnes

Therefore, Life of mine at proposed production of 10,800 TPA from 5th year

$$5 \text{ years} + \frac{(81800 \text{ t} - 54000 \text{ t})}{10,800 \text{ TPA}} = \sim 7 \text{ Years.}$$

**List of Mining Machinery**

Proclain/ JCB	2 Nos. + 1 spare 2.1m <sup>3</sup> for development and loading
Tippers	3 Nos. + 1 spare of 10 tonne capacity
Compressors	1 No. 350 cfm
Water Sprinkler	1 No.
Jack hammer	2 Nos. (1+ 1) spare
Crawler – mounted large dia. Machine (for OB devp)	1 No.

**Land Use Pattern**

Sr. No	Area to be used for	Present (Ha)	After Fifth Year (Ha)	End of mine life (Ha)
1	Mining Pit	0.9750	2.2800	2.2800
2	Dumping of waste /rejects	0.2250	1.1800	1.1800
3	Area under storage	0.1800	0.1800	0.1800

	of ore			
4	Sheds /Building etc.	0.0150	0.0150	0.0150
5	Road	0.1000	0.1000	0.1000
6	Plantation	0.0300	0.1800	0.1800
7	Undisturbed	3.381	0.971	0.971
	<b>Total</b>	<b>4.906</b>	<b>4.906</b>	<b>4.906</b>

**EMP Budget**

SI. No.	Measures	Capital cost (in Rs.)	Annual recurring cost (in Rs.)
		Proposed	Proposed
1	i) Pollution Control Dust Suppression	52,500	--
2	i. Pollution Monitoring ii. Air pollution Water pollution	-- --	5750 5750
3	Green Belt ( <b>Rs. 250/plant</b> )	5,95,000	20,000
4	Reclamation of mined out area	41000	--
	<b>Total</b>	<b>6,88,500</b>	<b>31,500</b>
	<b>Grand Total</b>	<b>Rs.7,20,000</b>	

**CSR Budget**

Year wise allocation of the Fund for the various ESR Activities (in Rs.)						
SI. No.	Activity	1 <sup>st</sup> yr	2 <sup>nd</sup> yr	3 <sup>rd</sup> yr	4 <sup>th</sup> yr	5 <sup>th</sup> yr
1	Health camps and free medicine	15,000	15,000	15,000	15,000	15,000
2	Toilet for Girls	15,000	15,000	15,000	15,000	15,000
	<b>TOTAL</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>
	<b>GRAND TOTAL</b>	<b>(Rs. 1,50,000)</b>				

During presentation it was observed that a natural drain on northern side of the lease and a shed on the south western side are in existence for which PP submitted that no mining is proposed in these areas and a setback of minimum 50 meters is already left from natural drain and shed. PP further submitted that they have proposed garland drain with settling tanks to

arrest surface runoff from the mine and thus no direct discharge will be allowed in this natural drain. Committee after deliberations decided that PP should carryout dense plantation towards this natural drain and shed with additional plantations of 2280 trees. After presentation, PP was asked to submit response on following:

1. Commitment for relay blasting only.
2. No tree cutting will be permitted in the non mining area for which a commitment shall be submitted.
3. Intermediate stacking of soil should be avoided and same shall be used for plantation.
4. Plantation schedule as suggested by the committee for additional 2280 trees.
5. Bifurcation of CSR budget in capital and recurring.

PP has submitted the response of above quarries vide letter dated 21/12/2017 which was placed before the committee and the same found satisfactory. 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 for approval for Manganese open cast mine Project in an area of 4.906 ha. (10,800 TPA) at Khasra no.-150/1, Village-Selwa, Tehsil - Katangi, Dist. Balaghat (MP) subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed expansion shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. For dust suppression, regular sprinkling of water should be undertaken.
6. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

7. No intermediate stacking of soil is permitted and same shall be utilized for plantation
8. No tree falling is proposed during the mining activity.
9. During blasting relay detonators shall be used.

10. Vibration monitoring as per the prescribed protocol shall be carried out considering the proximity of a shed on the south western side of the lease.
11. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) including the village side to provide additional protection in one year only. As proposed in the landscape plan & EMP a minimum of 2380 no's of trees will be planted.
12. Transportation of material shall be done in covered vehicles.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. Garland drains 12m x 02 x 01m and settling pits (11m x04m x02m) should be provided to avoid silt discharge. Settling tanks shall be connected with garland drains for proper sedimentation.
16. Fixed types of water sprinklers should be provided on haul road. However, regular water spraying should be practiced on 550 meter long and 07 meter wide transport road for dust suppression.
17. The existing and proposed land use plan of the mine is as follows:

Sr. No	Area to be used for	Present (Ha)	After Fifth Year (Ha)	End of mine life (Ha)
1	Mining Pit	0.9750	2.2800	2.2800
2	Dumping of waste /rejects	0.2250	1.1800	1.1800
3	Area under storage of ore	0.1800	0.1800	0.1800
4	Sheds /Building etc.	0.0150	0.0150	0.0150
5	Road	0.1000	0.1000	0.1000
6	Plantation	0.0300	0.1800	0.1800
7	Undisturbed	3.381	0.971	0.971
	<b>Total</b>	<b>4.906</b>	<b>4.906</b>	<b>4.906</b>

18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

23. The proposed EMP cost is Rs. 6,88,500 and Rs. 31,500 /year are proposed as recurring expenses out of which Rs. 5,95,000 is proposed for green belt development and Rs. 20,000 /year for recurring expenses for plantation in the proposed EMP of this project.
24. Under CSR activity, Rs. 01.50 lacks are proposed for the next 05 years in different activities with Rs. 00.30 lacks /year as recurring expenses and same should be implemented through respective committees.
25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
27. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
28. PP will comply with all the commitments made vide letter dated 21/12/2017.
29. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

SEIAA vide letter no. 1615 dated: 03.02.2018 has forwarded this case file to SEAC stating that: *“The case was discussed in 464<sup>th</sup> SEIAA meeting dtd 19.01.2018 and it has been recorded*



*that .....This case was recommended in 301<sup>st</sup> SEAC meeting dated 21.12.17, a complaint has been received in SEIAA on 15.01.18 on recommendation given by SEAC in its 301<sup>st</sup> meeting and it has been observed that a legal case has also been filed by complainant as OA No.101/2017 in Hon'ble NGT against the mining lease sanctioned in favour of M/s Metal and Minerals".*

SEIAA vide letter no. 1722 dated 22/02/2018 has forwarded PP's vide letter dated 13.02.2018 through which PP has also submitted the reply on issues raised in the complaint which was also placed before the committee.

During appraisal of the issue, PP was also present wherein PP has submitted that complainant is making false complaint with malafide intention.

PP further submitted that PL was sanctioned in the year 2006-07 and ML was granted on 2008-09. PP submitted that the mining operations were started since 2008-09 after obtaining necessary approval for the other competent authorities.

Shri Shailendra Jain submitted complaint before the Secretary Mine, Govt. of MP, Mineral Resources Department & CM Help line against which a joint inspection was carried out by the team of Mining Department and Revenue Department on 03.07.2017. This team also found working within granted area. The copy of Panchnama & site inspection report is enclosed herewith as Encl-2.

Three Vidhan Sabha questions were raised in the session of July 2017 by two Hon'ble Members, in response, Hon'ble Minister MRD, submitted reply that Mining Lease in question was granted after getting clear recommendations from all concerned officials, Tahsildar Katangi, Forest Office, Gram Panchayat Selwa and mining operations are being undertaken according to prevailing Rules & Regulations. A copy of the answers submitted by Hon'ble minister is enclosed herewith as Encl-3.

Public Hearing was conducted on 23.02.2017 at the mine in the presence of Collector Balaghat, SDM Katangi and other officials. There was no objection raised by anyone regarding mining activity. The Officers inspected the mine and working was found satisfactory with boundary pillars & co-ordinates.

There is no river/mainstream is available within granted area. The area was previously granted to some other party and a part of which has been re-granted to the PP. The Collector vide letter dtd. 10.06.2005 to The Secretary, Govt. of MP, clearly mentioned about the area that neither there is water nor reserved for public use. A copy of letter is enclosed herewith as Encl-7.

PP informed that GoMP has also informed in a vidhan sabah reply that since 2011-12 to 2016-17 approx. 18560.24 MT mineral has been excavated from this lease.

The committee after deliberations observed that during appraisal of the project following submissions was recorded in the minutes of 301<sup>st</sup> SEAC meeting dated 21/12/2017 wrt to a complaint made by Shri Shalendra Jain:

- (A) *“The EIA was presented by the PP and their consultant wherein PP was asked to address the issues raised in a complaint made by Shri Shalendra Jain forwarded by SEIAA vide letter no. 498 dated 22/05/2017 and 819 dated 21/06/2017. PP informed that both the complaints are regarding the allotment of lease and illegal mining thereof. PP further submitted that vide letter dated 31/10/2017 (forwarded by SEIAA vide letter no. 1107 dated 09/11/2017) he has submitted the reply in SEIAA & SEAC on the issues raised in the complaints. PP informed that lease on Khasra no. 151/1 for 4.906 ha was initially allotted to Sh. Mahesh Mishra vide office order no. F3-43/07/12/2 dated 02/03/2009 and later on was transferred to M/s Metals & Minerals, Katni. PP further submitted that Mining Officer, (in charge) Balaghat vide letter no. 845 dated 02/08/2017 has submitted a report to the collect orate, Balaghat stating that the mining is done within the allotted lease and no mining activities were observed as the lease area was filled with water. It is further stated in the report of mining officer that mining was done within the sanctioned lease area. PP has submitted the copy of above mining officer report. Committee after deliberations observed that the complaint is related to the allotment of lease and illegal mining which is replied by the Mining Officer, (in charge) Balaghat vide letter no. 845 dated 02/08/2017 wherein MO has clearly stated that the mining is done within the allotted lease area”.*
- (B) *“During presentation it was observed that a natural drain on northern side of the lease and a shed on the south western side are in existence for which PP submitted that no mining is proposed in these areas and a setback of minimum 50 meters is already left from natural drain and shed. PP further submitted that they have*

*proposed garland drain with settling tanks to arrest surface runoff from the mine and thus no direct discharge will be allowed in this natural drain”.*

Committee observed that again Shri Shalendra Jain has made a complaint referring the minutes of SEAC challenging the allotment of lease.

Committee after deliberations recommends that on the basis of the documents submitted by PP and forwarded by SEIAA the case was appraised and recommendations were made. If allotment of lease is challenged, same needs to be rectified by the competent sanctioning authority.

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

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

**(Prashant Shrivastava)**  
**Member**

**(R. Maheshwari)**  
**Member**

**(Mohd. Kasam Khan)**  
**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/Murram 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. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. 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.
8. Transportation shall not be carried out through forest area.
9. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
15. 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. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. 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.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. 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.
10. No Mining shall be carried out during Monsoon season.
11. The depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. 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.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. 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.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. 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. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. 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.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. The mining activity shall be done manually.
7. Heavy vehicles shall not be allowed for removal of sand.
8. The sand shall be transported by small trolleys up to the main transport vehicle.
9. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
10. No Mining shall be carried out during Monsoon season.
11. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
12. NOC of gram panchayat should be obtained for the water requirement.
13. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
14. The mining shall be carried out strictly as per the approved mining plan.