

The 260<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 07<sup>th</sup> January, 2016 under the Chairmanship of Dr R.B. Lal for discussion on the query responses submitted by the PP and the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohini Saxena, Member
2. Dr. M.P. Singh, Member
3. Dr. Alok Mittal, Member.
4. Sh. Manohar K. Joshi, Member
5. Dr. Manoj Pradhan, Member

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

1. **Case No. 2086/14 Shri Rajendra Prasad Gupta, Shayam Agrahari, Flat No. F-9, Sterling Enclave-1, A-Sector, Shahpura, Bhopal (M.P.)-462016 Prior Environment Clearance for approval of proposed Balahewa Weathered Phyllite (Boulder Stone) Quarry in an area of 1.25 ha. capacity 7,430 cum/year at Khasra No. 224 at Vill.-Balahewa, Th.-Chitrangi, District-Singrauli (M.P.)**

This is case of Boulder Stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 224 at Vill.-Balahewa, Th.-Chitrangi, District-Singrauli (M.P.) 1.25 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 1203 dated: 29/08/2014 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of Boulder Stone as per mine plan with quantity not exceeding 7430 cum/year.
- A village road is about 40 meters away from the ML area thus additional row of plantation should be provided towards road side.
- A natural drain is about 60 meters away from the site thus garland drain with settling tank of suitable capacity be provided all around the ML area.

2. **Case No.- 2543/2015 Shri Raja Saraogi (-Shri Raj Kumar Saraogi), Prop., M/s Rewanchal Stone Crusher, Town & Th.-Budhar, Shahdol (M.P.)-484110 Basalt Stone Quarry Lease Area - 2.00 ha., Capacity- 7,350 cum/year at Khasra no.- 1506, Vill.-Navalpur, Th.-Sohagpur, Dist-Shahdol (M.P.)**

This is case of **Basalt Stone Quarry**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.- 1506, Vill.-Navalpur, Th.-Sohagpur, Dist-Shahdol (M.P.) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 4040, dated: 26/9/2015, has reported that there is no more mines operating or proposed within 1000 meters around the said mine.

This case has already been discussed in the 255<sup>th</sup> SEAC meeting dated 02/01/2016 and recommendations have been sent to SEIAA.

3. **Case No. 565/2010- Smt Urmila Tripathi Candmari Road Dhawari Distt. Satna (M.P) Limestone & Laterite Mine 8.09 Ha at Village- Tihari, Tehsil- Rampur Baghelan Distt. Satna (M.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village- Tihari, Tehsil- Rampur Baghelan Distt. Satna (M.P.) 8.09 Ha. The project requires prior EC before commencement of any activity at site.

It was case of extension of TOR which was issued on 29/06/2013 and was valid up to 28/06/2015. PP has requested for extension of TOR vide letter dated 28/09/2015. Committee after deliberations recommended that TOR may be extended for one year with validity up to 28/06/2016 as per OM No. J-11013/41/2006-IA-II (I) (part) dated 08/10/2014.

4. **Case no. 682/2012 Ku. Bharti Parwani, Vishnu Heights of M/s Jitesh Estate Pvt. Ltd., 141, Mezzanine Floor, City Trade Centre, Malviya Nagar, Bhopal ( M.P.) – 46200 Vishnu Heights of M/s Jitesh Estate Pvt. Ltd. at .Part of Khasra no. of 24/1/3,14/3 and 14/5/1 Village – Bawdia kalan, Teh. – Huzur, Distt. – Bhopal(M.P.) Total Land Area – 2.634 ha.. , Total Built Up Area – 79595.35 sq mt. for Residential Building, Club House and School For - Building Construction, Env. Consultant – Creative Enviro-Services, Bhopal, (M.P.).**

The project pertains to Item No. 8(a) category 'B' of the EIA Notification schedule, as the total built-up area is more than 20,000 m<sup>2</sup>. Hence it has to be appraised at SEIAA/SEAC of the state for grant of prior EC. The application and relevant documents were forwarded by the SEIAA to SEAC for appraisal. The case was presented before the committee by the PP and his consultant, which reveals following features of the project:

**Salient features of the project:**

Total Plot Area	2.634 Ha
Total Built up Area	79595.35 sq mt for Residential Building, Club House and School
Dwelling Units	Residential Flats: 572
Location of Project	Khasara no. of 24/1/3, 14/3 and 14/5/1 at Bawdia kalan/ Ahamadpur, Tehsil- Huzur, Bhopal (MP)
Occupancy	Own Private Land
Geological Location	23011ø20.6ö N, 77026ø45.5ö E
Height of Building	37.7 mt
ROW	60 mt

Width of internal roads	09 mt
Nearest Highway	NH - 12
Rail Way Line	80 mt
Nearest Airport	Raja Bhoj Airport (~ 15.5 km)
Seismic Zone	III
Annual avg. Temperature	Max. 45.0 & Min. 6.00
Annual avg. Rainfall	1150 mm
Topography	Plain
Land use pattern	Commercial & Residential
Total Water Requirement	393 KLD
Total Waste Water Generation	353 KLD
Flushing water requirement	132 KLD
Total Fresh Water Requirement	261 KLD
Power Requirement	3365 KW
Back up Power facility	1 DG sets of 250 KVA
Solid Waste	1603 KG per day
Stilt + open Parking Space	9190 Sq Mt
Maximum Height	Stilt parking + 37.7 M.
Total nos. of DUØS (excluding E.W.S. & L.I.G.)	572 DUØS
Minimum distance between two block	6.00 M

### Water demand calculation

Water Demand Calculations For Residential	
1	Occupancy Load = 5 Person / flat

2	Daily Water Demand = 135 lit/cap/day
Water Demand Calculations For Commercial	
1	Occupancy Load = 1Person / 10 sqm
2	Daily Water Demand = 45 lit/cap/day
Water Demand Calculations For Visitors	
1	Occupancy Load = 1 Person / 200 Sq.ft
2	Daily Water Demand = 15 lit/cap/day
Water Demand Calculations For Club House	
1	Occupancy Load = 1 Person / 200Sq.ft
2	Daily Water Demand = 45lit/cap/day
Water Demand Calculations For Landscape	
	@ 5 Litres per Sq.m.

### Water Balance

S. No.	Description	Total Population	Water Requirement				Total Water	% flow to Sewer				
			Flushing		Domestic			Flushing		Domestic		Total waste water
			A	B	A+B	%		KLD	%	KLD	KLPD	
			LPCD	KLD	LPCD	KLD	KLD	%	KLD	%	KLD	KLPD
1.	Flats	2860	45	129	90	257	386	100	129	85	218	347
2	Visitors	50	07	0.35	08	0.40	0.750	100	0.35	85	0.34	0.69
3	Chambers	100	20	2.0	25	2.5	4.5	100	2	85	2.125	4.125
4	School	100	07	0.7	08	0.80	1.5	100	0.7	85	0.68	1.38
	Total						392.75		132.05		221.14	353.195
							= 393		= 132		= 221	= 353

### Proposed Sewage Treatment Plant

The Sewage Treatment Plant based on FAB technology will be designed to treat sewage quantity of 370 cu.mt./day

#### " Primary Treatment

Here the raw sewage effluent from different septic tanks / anaerobic bio-digester will be collected in the bar screen and oil and grease trap followed by in equalization sump

Coarse and Fine Bar Screens		02 Nos.
Application	For removing large size floating and suspended particles from sewage	
Dimensions of screen chamber channel	400 mm x 400 mm with water depth of 500 mm	
Type	Coarse & Fine bar screen	
Bar spacing	20 mm & 10 mm	
Features	The fine bar screen shall be a complete unit comprising of main frame with an integral part consisting of net having bar spacing of 20 and 10 mm. The bar screen shall be cleaned manually.	
MOC	MS Epoxy Coated	
Coarse Air Bubble Diffusers		
Application	For mixing of sewage and to supply air	
Location	Homogenisation Tank & Treated Water Tank	
Air discharge	1.5 cu.mt./hr per diffusers	

MOC	Diffuser: EPDM Rubber Supporting Structure: PVC	
Tubular Air Diffusers		20 Nos.
Application	To supply air in the form of coarse air bubble for aeration	
Location	Fluidized Aerobic Bio Reactor	
MOC	EPDM Membrane, PVC supporting structure and SS 6 304 clip and nipple	
Air Discharge	6 cu.mt./hr per diffusers	

From equalization sump effluent will be pumped into the fluidized aerobic bio-reactor for aeration using bacteria. Aeration tank shall be fitted with diffusers for supplying air (oxygen) through twin lobe roots air blower and will have suspended media. From here, effluent will be taken into the secondary settling tank (Clarifier). The sludge settled in the clarifier will be stored in aerobic sludge holding tank. From here the sludge shall be disposed off through filter press in the form of cakes.

- Tertiary Treatment

Clear effluent will be taken into the filter feed pump sump from where it will be pumped into the pressure sand filter and activated carbon for tertiary treatment before using for plantation and/or flushing purpose.

Before using the treated effluent for toilet flushing, treated effluent will be allowed to pass through the Ozonator to ensure proper disinfection.

**Rain Water Harvesting System:**

Rooftop Rainwater Harvesting

Total roof top area = 9504 m<sup>2</sup>

Average annual rainfall = 1154.0 mm (1.15 m)

Catchment factor for rooftop = 0.85 (as per C.G.W.A. norms)

Volume of water to be generated =  $5367 \times 1.15 \times 0.85 = 9290 \text{ m}^3/\text{annum}$

Road and Paved Area Rainwater Harvesting

Total road and Paved runoff area =  $8683.51 \text{ m}^2$

Average annual rainfall =  $1154.0 \text{ mm}$  (1.15 m))

Catchment factor for road and Paved = 0.75 (as per C.G.W.A. norms)

Volume of water to be generated =  $8683.51 \times 1.15 \times 0.75 = 7489.5 \text{ m}^3/\text{annum}$

### **Open Land and Green Belt area Rainwater Harvesting**

The proposed Project premise has open green belt area. After accounting for natural seepage rate of 0.1 cm/min, 15 % Catchment factor may be considered for rainfall runoff. Volume of water to be captured from open ground and green belt area and open land area for the recharge to the ground water would be:

Open land and green belt runoff area=  $7744.74 \text{ m}^2$

Average annual rainfall =  $1154 \text{ mm}$  (1.15 m)

Catchment factor for open area = 0.15 (as per C.G.W.A. norms)

Volume of water to be generated =  $7744.74 \times 1.15 \times 0.15 = 1336 \text{ m}^3/\text{annum}$

### **Fire Fighting Measures**

The design and planning of Fire Protection System shall be done keeping in view the following criteria:

- National Building Code Sept 2005: Part IV for Fire Protection
- Local Bye-Laws.
- Relevant BIS codes: Specifically IS: 3044, IS: 5290 and IS: 5312, IS: 908 and IS: 2190, IS: 3844, IS: 15105.
- NFPA & TAC Manual (for reference and guideline).

System Design

Fire water storage



Static fire water storage tank for Fire Protection System shall be provided at each building terrace level of 25 cu-m capacity.

Fire pumping system

The fire pumping system shall comprise of independent booster pump located at each building terrace level of below capacity.

a. Terrace booster pump on each building:- Capacity - 900 LPM 35 Mt head

**Solid Waste Generation:**

Sr No	Description	Occupancy	Kg Capita per day	per per	Total in Kg per day
(i)	Residents	2860	@0.55		1573
(ii)	Staff	-	@0.25		-
(iii)	Visitors + School	200	@ 0.15		30
	Total Solid Waste Generation	-	-		1603

**Solid Waste Management Plan**

It is estimated that at about 1603 kg per day of waste will be generated from the facility during the operation

Construction debris

- Use of fly ash bricks and fly ash at concrete mix also
- Construction debris is bulky and heavy and re utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity.

- Recycled aggregate will be used for filler application, and as a sub base for road construction. Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be given to recyclers.
- Contractors will be allowed to remove metal scrap from structural steel, piping, concrete reinforcement and sheet metal work from the site. A significant portion of wood scrap can be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

## **Operation Phase**

### Collection and transportation

- The biodegradable and non- recyclable/ non biodegradable waste will be stored and collected separately.
- Coloured collection bins shall be provided in proper numbers ( Two on each floor and two at outside of each building )
- To minimize littering and odours, waste will be stored in well designed containers/bins that will be located at strategic locations to minimize disturbance in traffic flow.
- The collection vehicles will be well maintained to minimize noise and emissions, and while transporting waste, these will be covered to avoid littering.

### Disposal

- With regard to the disposal/treatment of waste, the facility will disposed off the waste at trenching ground of Bhopal Municipal Corporation by our transportation facility.

### **Energy Conservation**

- " Energy efficient CFL/T5 lamps for common areas.
- " Multiple circuit for lighting to switch off unwanted lights
- " Use of low loss capacitors
- " Group control for elevators
- " Proper selection & sizing of cables consideration derating factors so as to minimize losses
- " High efficiency motors conforming to IS 2615-2004
- " Use of LED lightings which consume less energy
- " Use of day light which reduce 50-60% of lighting cost
- " Use of insulated glass can save 10-13% of cooling and heating cost

## **Plumbing**

- “ Variable speed pumping system will be adopted for water distribution
- “ Recycle programme ( dual Plumbing system) has been considered for water
- sq. mt. common green area will be provided.

## **Plantation/ Landscape Plan**

- Pedestrian movement area will also be provided with paver blocks having greenery within the blocks
- Trees along the access road to our township
- Tree plantation shall be done and greenery shall be maintained within the premises and around the premises

## **Documents submitted:**

Permission from Town & Country Planning, Permission from High Rise Committee  
Copy of Rin Pustika, P-II Form and Permission from Municipal Corporation For Water Supply

## **Statement of Area and other salient features of the project:**

- |  |                          |
|--|--------------------------|
| • Total Area                           | 2.634 ha. (26340 Sq mt.) |
| • Area under 60 M road widening        | 306.20 Sq mt             |
| • Area under 24 M road widening        | 2164.87 Sq mt            |
| • Area reserved for amenities School - | 400 Sq mt                |
| • Net plot area                        | 2368.93 Sq mt.           |
| • Services area                        | 265.25 Sq mt.            |
| • Open Area                            | 2489.06 Sq mt ( 10.6%)   |
| • Maximum permissible ground coverage  | 30% of net plot area     |
| • Maximum permissible F.A.R.           | 1:2.5                    |

## **Background**

- ✓ The case was presented by the PP and their consultant in the 97<sup>th</sup> SEAC meeting dated 14/06/2012 wherein after deliberation committee asked the proponent to submit following information along with the supporting documents:

1. The site is surrounded by several open lands with some govt. land hence exact land parcel owned by the proponent is not clear. in view of the same committee decided to visit the site during July 2012 to validate the exact location where the project is proposed.
2. Provision of play ground other than the proposed park has to be made in the plan; accordingly plan has to be submitted.
3. Provisions for physically challenged persons have to be made so that they can reach their flats / parking comfortably.
4. Used oil from DG sets has to be collected and disposed off as per the provisions of hazardous waste rules.
5. Copies of permission / undertaking from competent authority to be submitted regarding supply of drinking water for the project.
6. Quantity of water and its source during construction phase to be submitted along with the supporting documents.
7. Provision of driving passage has to be made for the residents of adjoining colonies during construction phase accordingly plan to be submitted.
8. The solid waste generated during construction phase to be quantified and plan regarding its management such that the residents of adjoining colonies are not disturbed has to be submitted.
9. Lay out map of the region showing locations & status of all the neighboring plots to be submitted.
10. Parking space for four / two wheelers has to be re-estimated such that all residents and visitors have sufficient parking space.
11. Location of STP in the lay out has to be planned away from the borings and boundary walls.
12. Maximum height of the buildings along with the ROW of approach road and NOC from fire deptt indicating the distance from the nearest fire-fighting station.
13. It was brought to the notice of the committee that a township project adjacent to the proposed project is operating under the name 'Vishnu Hi-tech City' in this context PP has to submit response on following :
  - Whether the two projects i.e. 'Vishnu Heights' and 'Vishnu Hi-tech City' are owned by the same proponents (Partners).
  - Linkage between the two projects.
  - Distance between the two projects.
  - Status of EC and Consents issued to the existing 'Vishnu Hi-tech City' to be furnished.
  - Status of STP and Municipal Solid Waste Management in the 'Vishnu Hi-tech City'.

- ✓ The case was recommended for delisting in SEAC 169<sup>th</sup> meeting dated 27/01/2015 as PP has not responded to the quarries raised by SEAC.
- ✓ The case was discussed in 195<sup>th</sup> SEIAA meeting dated 20.04.15 and was sent back to SEAC vide their letter no 1528 dated 01.06.15 to appraise the case along with the reply/information submitted by PP to SEIAA on dated 15.04.15
- ✓ The case was discussed in the 199<sup>th</sup> SEAC meeting dated 21/06/15 and it was decided that since the case pertains to 2012, the inspection of the site be carried out by SEAC to ascertain any construction activity on the site.
- ✓ As decided, Shri R. B. Lal, Chairman SEAC and Shri K. P. Nyati, Member SEAC visited the site on 08/10/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal and Shri Jitesh, representing project, were also present.
- ✓ The inspection of site reveals that the site is clear and no construction has been taken place on the site till date. The Google image and recent photographs are attached herewith this report. At present the site is covered with small bushes.
- ✓ The report of committee was discussed in the 232<sup>ed</sup> SEAC meeting dated 28/10/15 and after deliberations, committee decided to call PP for making query response presentations in the up-coming SEAC meetings.

Response to the above queries was submitted by the PP and the same was placed before the committee and PP and their consultant also made the presentation for above quarries. The submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 261 KLD.
2. The excess treated water will be use for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.

3. Peripheral plantation all around the project boundary shall be carried out using tree plants of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings
4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
5. Power back-up for un-interrupted operations of STP shall be ensured.
6. CFL/LED should be preferred over of tube lights.
7. Installation of solar photovoltaic cells for street lighting system should be provided.
8. Corpus-fund should be exclusively used for the EMP.
9. MSW storage area should have 48 hours storage capacity.
10. PP will obtain other necessary clearances/NOC.
11. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
11. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

**5. Case No. 4082/15 Shri Ajay Singh R/o Ram Manohar Lohiya Ward, District-Katni (MP)-483501 Prior Environment Clearance for approval of Stone Quarry in an area of 1.90 ha. (20,000 cum/year) at Khasra no.-1051 & 1054, Village-Bichpura, Tehsil-Barhi, District-Katni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-1051 & 1054, Village-Bichpura, Tehsil-Barhi, District-Katni (M.P.) 1.90 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 4150 dated: 30/9/2014 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 12.14 ha including this mine.

Case was presented by PP and their consultant. During presentation, it was observed that as per the certificate issued by the DFO, Panpathe wild Life Sanctuary is at a distance of 8.5 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/384/2015 and date of submission is 16/12/2015

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure :-Aø

- Production of Stone as per mine plan with quantity not exceeding 20,000 cum/year.
- Grant of EC would be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

6. **Case No. – 2824/2015 Smt. Shanti Bai W/o Late Shri Gopilal Sisodiya, Vill.-Balampur, Teh.-Huzur, District-Bhopal Bhanwar Khedi Stone Quarry Lease Area- 2.023 ha., Capacity - 8,550 cum/year, at Khasra No. – 1, Vill.-Bhanwar Khedi, Teh.-Raisen, District-Raisen (MP)**

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 1, Vill.-Bhanwar Khedi, Teh.-Raisen, District-Raisen (MP) 2.023 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 297, dated: 7/4/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine. A railway track is about 250 meters away from the ML area. No crusher is proposed in the ML area as informed by the PP during presentation.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

subject to the following special conditions in addition to the standard conditions at annexure -Aø

- Production of Stone as per mine plan with quantity not exceeding 8,550 cum/year

**7. Case No. – 2621/2015 Mr. H.R. Rai, 244, King Shopping Centre, Near Hotel Arch Manor, 1st Floor, Zone-1, M.P. Nagar, Bhopal (M.P.)-462011 Prior Environment Clearance for proposed Residential Project "Rai Pink City Phase-II" at Vill.-Borda, Kolar Road, Phanda, Teh.-Huzur, Distt.-Bhopal (M.P.) Env. Consultant – EQMS INDIA Pvt. Limites, New Delhi.**

The project pertains to Item No. 8(a) category 'B' of the EIA Notification schedule, as the total built-up area is more than 20,000 m<sup>2</sup>. Hence it has to be appraised at SEIAA/SEAC of the state for grant of prior EC. The application and relevant documents were forwarded by the SEIAA to SEAC for appraisal. The case was presented before the committee by the PP and his consultant, which reveals tthat:

- a. During presentation, it was observed that the co-ordinates submitted by the PP in from-1 are not falling on the actual location of the project site and actual site is almost 06.00 Kms away. Thus PP was asked to submit revised From-1 with actual co-ordinates of the site through SEIAA.
- b. Itø a case of violation for which PP has submitted the affidavit. The committee after deliberation decided to carryout site visit only after receipt of the revised Form-1.

**8. Case No. – 2805/2015 Shri S.C. Mathur, Vice President, M/s Vista Organics (P) Ltd., Plot No. 06, New Industrial Area Phase-II Mandideep, District- Raisen (MP)-462046 Prior Environment Clearance for proposed Manufacturing of bulk drugs Vitamins and Intermediate) expansion of existing unit at Plot No. – 06, New Industrial Area- Phase-II Mandideep, District- Raisen (MP) Env. Consultant – Vardan Envir Net, Gurgaon, Haryana.**

This is a case of Manufacturing of bulk drugs Vitamins and Intermediate. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Plot No. 06, New Industrial Area Phase-II Mandideep, District- Raisen. The project requires prior EC for expansion of existing unit before commencement of any activity at site.



The case was scheduled for the approval of proposed TOR in the 198<sup>th</sup> SEAC meeting dated 04/06/2015. During deliberation and as per the information submitted by the PP in the application, it was noticed that this unit has already undergone an expansion in the year 2008 and 2014 respectively without obtaining EC which constitutes the violation of EIA Notification, 2006 and thus credible action has to be initiated as per the provisions of OM dated 12/12/2012 issued by MoEF&CC, Delhi. In the light of above facts, the case is sent back to SEIAA for onward necessary action.

The case was discussed in 217<sup>th</sup> SEIAA meeting wherein it was decided to verify after a site visit whether PP has already made expansion in the plant by way of installing machinery etc. Once the validation is done, SEAC may send the recommendation to SEIAA for credible action.

As decided Shri K. P. Nyati, Member SEAC visited the site on 27/08/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, Dr. Avinash Karera, Chief Chemist, MP Pollution Control Board, Bhopal and Shri Jitesh, representing project were also present.

The inspection report was discussed in the 232<sup>th</sup> SEAC meeting dated 28/10/2015 and after deliberations committee decided that above report may be sent to SEIAA confirming on the basis of above report that M/s. Vista Organics Pvt. Ltd., have neither expanded their manufacturing facilities nor have made any changes in the product mix and thus recommendation made in the 198<sup>th</sup> SEAC meeting dated 04/06/2015 for credible action (as per the provisions of OM dated 12/12/2012 issued by MoEF&CC, Delhi) stands withdrawn and PP may be called for the presentation of TOR in the upcoming meetings of SEAC. On the basis of above IR, PP requested for TOR presentation in SEIAA and their application was forwarded by the SEIAA vides letter no.8404 dated 30/11/2015 for necessary action.

The case was presented by the PP and their consultant for TOR today wherein it was observed that as per the Form-1 submitted by the PP there are 12 proposed products but in TOR presentation raw material consumption of only 07 products are given. After deliberation committee decided that since PP has not submitted the detailed information about the raw material consumption they may be called again for TOR presentation after submission of relevant information as above.

9. **Case No. – 3135/2015 Shri Sachin Junakar S/o Shri Ashok Rao Junakar, Gotmar Peth, Teh.-Pandhurna, Chhindwara (M.P.)-480334 Stone Quarry Lease Area -**

**2.00 Capacity - 5,000 cum/year, at Khasra No. 312, 313/2 at Vill.-Sawajpani, Teh.-Pandhurna, District-Chhindwara (M.P.)**

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 312, 313/2 at Vill.-Sawajpani, Teh.-Pandhurna, District-Chhindwara (M.P.) 2.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 2880, dated: 08/12/2014 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was earlier presented in the 216<sup>th</sup> SEAC meeting dated 22/08/2015 wherein scrutiny and the presentation made by the PP revealed that it is an existing mine which has already been excavated but this fact has not been depicted on the concerned surface map attached with the mine plan. Further all co-ordinates of mining lease area are not provided in mine plan to verify its location. In view of above lacking, the appraisal was not possible in the present form of mine plan. Thus above case was returned to SEIAA and PP was asked to get the mine plan revised addressing all the components of MM Rules, 1996.

PP has submitted the revised mine plan duly approved by the competent authority and same was forwarded by SEIAA through letter no. 8604 dated 02/12/2015 for appraisal.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of Stone as per mine plan with quantity not exceeding 5,000 cum/year.

**10. Case No. 3180/15 Shri Abhishek Mishra, Ward No. 29, Purani Basti, District-Shahdol (MP)-484001 Prior Environment Clearance for approval of Stone**

**Quarry Lease Area - 1.299 ha., Capacity - (5,880 cum/year) at Khasra No.-353, Vill.-Chatwai, Teh.-Sohagpur, District-Shahdol (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-353, Vill.-Chatwai, Teh.-Sohagpur, District-Shahdol (MP) 1.299 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 779 dated: 2/7/2015 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 after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**11. Case No. – 653/2011 Shri PC Jain M/s Eastern Minerals 35, Vivekand Marg Contonment , JhansiPi-2840 01 Khera mine of 6.171 ha. cap 10,000 MTPA of Pyrophyllite and 400 MTPA Diaspore at village Khera, Teh-Jatara, Distt-Tikamgarh.**

This is a case of expansion of mining project proposed in an area of 6.171 Ha. at Tehsil- Jatara , Distt. ó Tikamgarh (M.P.). Mining of Pyrophyllite and Dispore is being carried out presently. Project has valid EC issued by MoEF, Delhi. The case has been submitted for revised EC in view of proposed enhancement in the production capacity. TOR was issued vide letter dated 13/01/2012. The mine lease is adjoining the lease area of other mine of the same proponent mentioned at Case no. 658/2011.

EIA report submitted by the PP was received through SEIAA for appraisal. EIA and EMP were presented by the PP and his consultant. The same were discussed at length

in the meeting. Public hearings proceedings were also discussed in detail during the meeting. The submissions and presentation made by the PP and his consultant reveals following:

### Environmental Setting of Project

Nearest City	Tikamgarh 18 km from Mine
Nearest Railway Station	Niwari 70 km from lease area.
Nearest Airport	Khajuraho 165 km from the mines by road
Nearest Highway	Tikamgarh-Jhansi NH-12 is 14 km from mine.
Nearest Village	Khera at 400m
Nearest River	Jammi River 6.8 km
Topography	Mount shape
Ecological Sensitive Zone	No national parks and sanctuary within 10 km radius
Nearest Industries	None within 10 km radius
Interstate boundary	More than 10 km.

### Location of the mine

District/State	Tahsil	Village	Khasara No.	Area
Tikamgarh (MP)	Jatara	Khera	230/1, 230/2 & 1354/2	6.171 ha
			Total	6.171 hectare

### Breakup of Project Cost

S.No.	Particular	Expense (in Lacs )
1.	Land	8.18
2.	Mining	4.97
A.	Cost for infrastructure, tools, equipments & Mining Plan etc.	11.09

3.	Environmental Protection	1.03
A.	Pollution Control (check dam, garland drain protective bund etc.	2.09
B.	Tarpaulin Control cover for stack of ore	0.86
4.	Occupational Health & Safety	0.97
A.	Infrastructure & PPEs	0.34
	Total Capital Investment	29.53

Salient feature of 2 km radius

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

#### Minerals & Capacity

Mineral	Existing	Proposed
Pyrophyllite	4000 MTPA,	10000 MTPA
Diaspore	200 MTPA	400 MTPA

#### Existing land use of lease area

Particulars	Area in (ha)
Pits and Quarries	0.85
Dumps	2.91
Backfilled area	0.32
Temple/Chabutera	0.014
Road	0.54
Stack yard	0.192

Rest Shelter	0.005
Balance Undisturbed area	1.34
Total	6.171

**Mineral Reserves**

Category	Institu reserves (tones)	Recoverable Reserves (tones)
Proved Reserves	4790715	4551179
Probable Reserves	942474	895352
Total	5733189	5446531

**Public hearing**

Public hearing was conducted on 26.09.2012, at Grampanvhayat Bhavan at Village Khera. 39 people have attended the hearing and a common opinion has been observed for the mining activity that employment should be given to local villagers. 17 of them registered their opinion in writing. As such no adverse comments were reported from the public hearing.

Problems from blasting operations were raised by some of the villagers, PP has reported that the blasting is being carried out since last 40 years and no complaint has been registered so far. The blasting is being done only during day hours. Regarding flying stones it was submitted by the PP that flying fragments, can travel max. 10m. and muffled blasting is being adopted in which the drill hole is covered with screen (Jali) and the quantity of explosive is being used is only 3.5 to 4.0 kg per hole. This is a small scale mine and blasting is not required every day, and done as and when required.

**Action Plan for Implementation of PH Commitment (Case No. 653/2011 & 658/2011):**

S. No.	Particular	Commitment	Budget
1.0	Plantation	Plantation shall be carried out in 2.03	Rs. 4,41,000/- in next

		ha lease area within 5 years. 600 plants shall be planted every years	five years.
2.0	Plantation near temple	100 plants / species shall be planted near the temple within a year.	Rs. 8,000/-
3.0	Maintenance of Temple	We will take care of maintenance of temple by the way of white washing every year and general maintenance as and when required.	Rs. 10,000/- per year.

The case was presented in the 137<sup>th</sup> SEAC meeting dated 24/07/2013 wherein the EIA report, EMP and Public Hearing commitments and the compliance of the existing EC as submitted and presented by the PP are satisfactory and acceptable. Hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

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

SEIAA vide its letter no. 6615 dated 21/10/2015 has sent the file along with the certified copy of compliance report of conditions stipulated in the EC by MoEF&CC for consideration.

The compliance of EC conditions was presented by the PP and their consultant wherein it was observed that non compliance/ partially non compliance was observed by the MoEF&CC on some conditions. During presentation PP informed that:-

- ✓ They have collected all the OB which was stored outside the ML area and filled it in reclaimed area of about 0.5 ha.
- ✓ Constructed garland drains and two settling tanks of suitable capacity in the ML area.
- ✓ Planted about 1500 trees in the ML area along with the periphery.
- ✓ A planned schedule is followed for carrying out the monitoring of Air, Water and Noise.

Committee after deliberations recommends following additional conditions to be stipulated in the EC recommended earlier:-

- a. No OB should be stored outside the ML area and it should be properly stacked at designated place.
- b. A retaining wall of suitable height be erected all around the stacked OB.
- c. Proper Personal Proactive Equipments (PPE) should be provided to all the workers.
- d. Plantation should be done according to schedule and 1.5 ha area be developed as green belt.

**12. Case No. 3721/15 Shri Nitin Barsaiya R/o 2283, Madan Mahal, District-Jabalpur (MP) Prior Environment Clearance for approval of Metal Stone Quarry in an area of 1.72 ha. (33,630 cum/year) at Khasra no.-105, Vill.-Dhadhra, Tehsil-Jabalpur, District-Jabalpur (MP)**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-105, Vill.-Dhadhra, Tehsil-Jabalpur, District-Jabalpur (MP) 1.72 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 1414 dated: 11/8/2015 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 15.73 ha including this mine. Crusher is proposed outside of lease area.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, except that the maps attached with the mine plan are not signed by the



competent authority. PP was asked to get the maps duly authenticated by the competent authority.

**13. Case No. 3353/15 Shri Dileep Singh Sondya S/o Shri Hari Singh Sondhya, Gram-Chandanpura, Teh.-Bioara, District-Rajgarh (MP)-465674 Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (2,000 cum/year) at Khasra No. 146/21/2 at Vill.-Binyakhedi, Teh.-Bioara, District-Rajgarh (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 146/21/2 at Vill.-Binyakhedi, Teh.-Bioara, District-Rajgarh (MP) 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 323 dated: 29/04/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -Aø

- Production of Stone as per mine plan with quantity not exceeding 2,000 cum/year.

**14. Case No. 3517/15 Shri Amandeep Singh, 169, Moti Bangla, District-Dewas (MP) Prior Environment Clearance for approval of Stone Deposit Gitty Quarry in an area of 0.7470 ha. (10,000 cum/year) at Khasra No.-152/2/1, 153/4/1, 155/2, Vill.-Naveri, Teh.-Hatpipaliya, District-Dewas (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-152/2/1, 153/4/1, 155/2, Vill.-Naveri, Teh.-Hatpipaliya, District-Dewas (MP) 0.7470 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 1220 dated: 11/01/2012 has reported that there are 4 more mines operating or proposed within 500 meters around the said mine with total area of 3.747 ha including this mine.

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

**15. Case No. 3534/15 Shri Pramod Kaplish, Proprietor, M/s Krishana Stone Metal, E-1/63, Arera Colony, Bhopal (MP)-462016 Prior Environment Clearance for approval of Stone Quarry in an area of 3.689 ha. (28,400 cum/year) at Khasra No.-185, 200, Vill.-Chapri, Teh.-Huzur, District- Bhopal (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-185, 200, Vill.-Chapri, Teh.-Huzur, District- Bhopal (MP) 3.689 ha. The project requires prior EC before commencement of any activity at site.

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

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

**16. Case No. 3358/15 Shri Sanjay Singh S/o Shri Mahendra Singh, Res-Tanodia, Teh.-Agar, District-Shajapur (MP)-465001 Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (4,185 cum/year) at Khasra No. 277 at Vill.-Tonodia, Teh.-Agar, District-Shajapur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 277 at Vill.-Tonodia, Teh.-Agar, District-Shajapur (MP) 2.00 ha ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 260 dated: 4/07/2015 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.0 ha including this mine.

The case was presented by the PP and their consultant and during presentation it was observed that certificate issued by DFO is bearing Khasra no. 272 while the actual Khasra number of the site is 277 as per Form-1 and other certificate submitted by the PP. Thus PP was asked to get the revised certificate of DFO.

**17. Case No. 3582/15 Shri Durga Prasad Dixit S/o Shri Asharam Dixit R/o 32, Indrapuri Colony, District-Tikamgarh (MP)-472001 Prior Environment Clearance for approval of Metal Stone Quarry in an area of 4.00 ha. (18,000 cum/year) at Khasra No.-465/1,Vill.-Prempura, Teh.-Tikamgarh, District-Tikamgarh (MP)**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-465/1,Vill.-Prempura, Teh.-Tikamgarh, District-Tikamgarh (MP) 4.00 ha. The project requires prior EC before commencement of any activity at site.

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

Officer vide letter no. 388 dated: 8/05/2015 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 6.0 ha including this mine. No crusher is proposed in ML area.

The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure -A

- Production of Stone as per mine plan with quantity not exceeding 18,000 cum/year.

**18. Case No. 3342/15 Shri Ajay Kumar Singh S/o Shri Dinesh Kumar Singh, Vill.-Sukhwahi, Post-Baghwari, Teh.-Gopad, District-Sidhi (MP)-486771 Prior Environment Clearance for approval of Stone Quarry in an area of 1.660 ha. (12,825 cum/year) at Khasra No.-119, 120/1, 121, Vill.-Kargil, Teh.-Gopad, District-Sidhi (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-119, 120/1, 121, Vill.-Kargil, Teh.-Gopad, District-Sidhi (MP) 1.660 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 1367 dated: 16/11/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Case was presented by PP and their consultant and the EMS and other submissions made by the PP were found to be satisfactory and acceptable. During presentation, it was observed that as per the certificate issued by the DFO dated 29/10/2015, Son Ghariyal Abhayaran is at a distance of 3.150 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/513/2015 and date of submission is 06/01/2016. Since the cumulative area within 500 radius of this mine is <5.00 ha (As per Mining Officer vide letter no.-1443, dated: 14/08/2015) the general conditions are

not applicable in this project as per GOI Notification No. S.O. 2731 (E) dated 09/09/2013 and thus the case was considered as B-2 category.

During deliberation it was observed that maps attached with the mine plan are not approved by the competent authority. Thus PP was asked to get the maps duly authenticated by the competent authority.

**19. Case No. 3379/15 Shri Arvind Sharma S/o Shri Ram Narayan Sharma, Vill.-Dongargaon, Teh.-Susner, District-Agar (MP)-465445 Prior Environment Clearance for approval of Stone (Gitty) Quarry in an area of 1.00 ha. (10,000 cum/year) at Khasra No.-839, Vill.-Dongargaon, Teh.-Susner, District-Agar (MP)**

This is case of Stone (Gitty) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-839, Vill.-Dongargaon, Teh.-Susner, District-Agar (MP) 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 206 dated: 11/06/2015 has reported that there are 3 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha including this mine.

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

**20. Case No. 3535/15 Shri Arvind Sharma S/o Shri Ram Narayan Sharma, Vill.-Dongargaon, Teh.-Susner, District-Shajapur (MP)-465445 Prior Environment Clearance for approval of Stone Quarry in an area of 2.00 ha. (2,784 cum/year) at Khasra No.-841, Vill.-Dongargaon, Teh.-Susner, District- Shajapur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-841, Vill.-Dongargaon, Teh.-Susner, District- Shajapur (MP) 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 207 dated: 1/06/2015 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 3.0 ha including this mine.

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

**21. Case No. 3551/15 Shri Shiv Kumar Singh R/o House No. C-3/22, Sindsor Hill, Siroi Road, District-Gwalior (MP)-474011 Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (26,325 cum/year) at Khasra No.-1351, Vill.-Kharag, Teh.-Datia, District-Datia (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-1351, Vill.-Kharag, Teh.-Datia, District-Datia (MP) 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 376 dated: 16/07/2015 has reported that there are 11 more mines operating or proposed within 500 meters around the said mine with total area of 27.22 ha including this mine.

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

**22. Case No. – 1922/2014 Shri Atul Nidhan Singh Chouhan, M/s Sky Plast Mining & Mineral, Savitri Sadan, Barhi Road, Beside Pankaj Palace Hotel, Katni (MP)-483501 For- ToR *Sejha Limestone & Dolomite Mine in an area of 6.552 ha. at Village-Sejha, Tehsil-Badwara, District-Katni (MP), Lease Area – 6.552 ha., Capacity – 34,272 Cubic mt.. /Year. At Khasra Nos. - 23/6, 23/2, 37, 25/1, 23/3, 23/5, 24, 25/2, 26, 197/3, 202/2, 203 (new no.38, 39, 42, 216, 40, 41, 217)Environmental Consultant - M/s Creative Enviro Services, SR-4, Shriram Kunj, E-8, Bharat Nagar, Arera Colony, Bhopal (MP)***

This is a project pertaining to mining of Limestone and Dolomite in MLA of 6.552 ha. The activity is mentioned at S.N. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. The project is not attracted by the any general conditions and falls under category 'B-1' by virtue of its location and mining lease area. Hence the project requires prior Environmental Clearance from the SEIAA. The case was forwarded by SEIAA to SEAC for scoping so as to determine TORs to carry out EIA and prepare EMP for the project.

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

It was submitted that this is a proposed mine. The proponent has proposed for production of 34272 Tonnes per annum. Accordingly the mine plan has been approved.

**Environment setting**

Village	Sejha
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Tehsil	Badwara
District	Katni
Latitude	23 <sup>o</sup> 41' 21.4 " to 23 <sup>o</sup> 41'31.1" North
Longitude	80 <sup>o</sup> 30'24.7" to 80 <sup>o</sup> 30'42.4"East
Co-Ordinate	23 <sup>o</sup> 41" 25.7"- 80 <sup>o</sup> 30'24.7" 23 <sup>o</sup> 41" 27"- 80 <sup>o</sup> 30'24.9 " 23 <sup>o</sup> 41" 21.4"- 80 <sup>o</sup> 30'27.5" 23 <sup>o</sup> 41" 27.0" - 80 <sup>o</sup> 30'28.2 "
General Ground Level	443 M
Nearest Village	Sejhatola - Adjoining
Nearest National/state Highway	Katni-Shahdol NH-78 - 8.50 km
Nearest Railway Station	Rupaund Railway Station - 7.75Km
Nearest Airport	Jabalpur - 72.50 km
Nearest Tourist Place within 10km radius.	None within 10km radius
Archaeological Important Place within 10km radius.	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None within 10km radius
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	Jorapahar RF - 3.25km - S Pori PF - 9.5 km - N
Nearest major city with 100000 population within 10km radius	Nil
Nearest Town / City within 10km radius	None
Nearest Nalla/ pond	Jaranagar Nalla ó 1.5 km - NW Bhabrar Nalla - 1.0 km óE Bhawandar Nalla ó 8.5km óN Sumrar Tank ó 8.0 km ó NWW Datla Reservoir ó 5.0km- ENE



	Baragaon Nalla - 0.50km ó NW Canal - 0.70km - NW
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It was reported by the PP that

- The lease area of 6.552 hectares was originally granted in favour of Shri Surendra Kumar Agrawal for 20 years from 25.06.2002 to 24.06.2022. Now this lease has been transferred under Rule 37 of MCR 1960 to M/S Sky Plast Mining and Minerals having its correspondence office at õSavitri Sadanö, Barhi Road, Katni (MP), by Govt. of MP vide their order no. F-3-6/2013/12-2 dated 05.9.2013 for balance period.
- The lease area comes under Govt. waste and Pvt. land
- one other lease area are located within 500m radius,
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur
- it was reported by the PP that baseline data of the region has already been stated from Oct, 14 (Post Monsoon)

### Salient feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	6.552 ha
Mineable Area	1.8112ha
Existing Pits & Quarries	0.2605ha
Existing Dumps	Nil
Plantation	0.05ha
Recoverable / Mineable Reserve	318863 T
Method of mining	Manual
Ultimate Depth of Mining	4m (436mRL)

Ultimate Pit Slope	45°
Expected Life of Mines	10years
Lease Period	20 year upto 2022
Stripping Ratio	1 :0.06 to 1:0.29
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	1.8112ha
Area to be reclaimed by conceptual period	0.4781ha
Area to be covered under plantation by conceptual period	2.0ha
Area to be covered under water reservoir	0.9831ha
Elevation	446-440mRL
Ground water table	
Monsoon period	15m bgl (425mRL)
Dry month	20m bgl (420mRL)

### Details of existing pits

Pit no.	Size-m	mRL	Logging in meters (average)
PIT -1	17X10X5	442M	Pit 1,2 are exclusive in limestone zone while pit -3 partly in limestone and dolomite i. e. Southern part has dolomite
PIT -2	45-X5X3-4	444M	
PIT -3	85X26X6-10	437M	

### Mining Method

- Opencast method of mining (manual) is proposed for the excavation of limestone and Dolomite.
- It is proposed to excavate 1.8112ha in next four years with average depth 4m depth or up to the RL of 436m.
- Ground water table in the area is very low. Seepage from ground water table may not be encountered.
- It is proposed to excavate 3.2772ha in next five years with average depth 38m depth or up to the RL of 430m.
- Ground water table in the area is very low. Seepage from ground water table may not be encountered.

Year	Soil m <sup>3</sup>	OB/ waste m <sup>3</sup>	Production in T
1 <sup>st</sup>	4970	1333	30388
2 <sup>nd</sup>	Nil	1428	32130
3 <sup>rd</sup>	Nil	1523	34272
4 <sup>th</sup>	Nil	1290	29417

### Existing and proposed land use plan

Items	Existing	Conceptual Period
Total lease area	6.552 ha	
Ultimate depth of mining	3m bgl (437mRL)	4m bgl (436mRL)
Ultimate pit slope	45 degree	45 degree
Area under dumps	Nil	Nil
Area under pits	0.2605ha	1.8112ha
Area to be reclaimed	Nil	0.4781 ha

Infrastructure & Road	0.048ha	0.5ha
Mineral storage	0.0250ha	Nil
Plantation	0.05ha	2.0ha
Water body	0.1ha	0.9831ha

## SOLID WASTE MANAGEMENT

- It has been studied that during the life of mine total 1.8112ha areas will be excavated and 0.4781ha area will be reclaimed by using mine waste & OB and rehabilitated through afforestation.
- Presently 0.0188ha area are covered under inactive old dumps, contains 258m<sup>3</sup> weathered over burden material comprising rock fragments and lateritic soil, which is observed in side of pit. These dumps will be re-handled for approach road maintenance.
- During the SOM period, 4970m<sup>3</sup> lateritic soil and 5574m<sup>3</sup> mine waste will be generated and same will be dumped over the dump no. SD1 and MW1 in eastern and northern part respectively, which will cover about 0.3075ha area.
- Further measures and suggestion for solid waste management shall be studied during EIA study.

## Proposed waste generation

Proposed waste Generation		
Year	Soil m <sup>3</sup>	OB/ waste m <sup>3</sup>
1 <sup>st</sup>	4970	1333
2 <sup>nd</sup>	Nil	1428
3 <sup>rd</sup>	Nil	1523
4 <sup>th</sup>	Nil	1290

Afforestation plan										
REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Un-worked area green belt		Outside dumps (Reclaim)		Benches of pit		Inside dump (village side)		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.05	25	-	-	-	-	-	-	0.05	25
1 <sup>st</sup> to 5th			-	-	-	-	0.45	750	0.45	750
6 <sup>th</sup> to conceptual period	0.6719	1000	0.4781	750	0.35	525	-	-	1.5	2275
<b>Total</b>	<b>0.7219</b>	<b>1025</b>	<b>0.4781</b>	<b>750</b>	<b>0.35</b>	<b>525</b>	<b>0.45</b>	<b>750</b>	<b>2.0</b>	<b>3050</b>

After deliberations committee approved the proposed TOR with inclusion of following points to be addressed in the EIA / EMP in the 161<sup>st</sup> SEAC meeting dated 22/12/2014:

- HT line is reported to be passing near the site; issue regarding its shifting to be dealt in the EIA.
- Already collected base line data can be used in the EIA subject to appropriate validation of the same.
- Issue regarding track reported to be passing through the MLA to be addressed in the Public Hearing and alternate route to be explored for transportation of materials.
- Other standard TORs shall be applicable.

The EIA/EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.

3. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
4. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
5. Commitments made in public hearing for development of alternate route and compensation should be fulfilled by the PP.
6. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
7. PP has to ensure for 10 times compensatory plantation in addition to the plantation already proposed in 05 years plantation scheme in lieu of any tree if uprooted.
8. Production of Lime stone & Dolomite shall be as per the mining plan not exceeding 34,272 TPA.
9. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.
10. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
11. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
12. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**23. Case No. – 2225/15 Smt. Saroj Rani Agrawal, Shri Vinod Maheshwari, HPA, Chandra Village, Heera Ganj, Kashmir Hardware Gali, Katni (MP)-483501 Prior Environment Clearance for approval of proposed Sejha Limestone Dolomite Mine in an area of 7.03 ha. at Khasra No.-55, 56, Village-Sejha, Tehsil-Badwara, District-Katni (MP) (EIA)**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.-55, 56, Village-Sejha, Tehsil-Badwara, District-Katni (MP) 7.03 ha. The project requires prior EC before commencement of any activity at site.

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

**24. Case No. - 3992/15 Shri Kamal Sharma R/o A-349, Durga Vihar, Devali Goan, New Delhi-110062 Prior Environment Clearance for approval of Malehara Granite Deposit Mine in an area of 3.749 ha. (5,000 MTPA) at khasra No.Vill.-Malehara, Tehsil-Maharajpur, District-Chhatarpur (MP) (TOR)**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at khasra No.Vill.-Malehara, Tehsil-Maharajpur, District-Chhatarpur (MP) 3.749 ha. The project requires prior EC before commencement of any activity at site. Following are the salient features of the project:-

Particulars	Details
Latitude & Longitude	25°00'59.28" to 25°01'07.50"N 79° 39'25.13" to 79°39'38.01" E
Co-ordinate	1. 25°00'59.28" - 79° 39'27.51" 2. 25°01'03.78" 79°39'38.01" 3. 25°01'01.26" 79°39'31.63" 4. 25°01'07.50" 79°39'35.84"
Height above mean sea level	274-268m
Nearest City	Maharajpur - 6.5 km

Nearest Railway Station	Rajnagar	ó 33.70 km	
Nearest Airport	Khajuraho	-34.25 km	
Nearest Highway	Chhatarpur-Malehara-Mahoba Road	ó 0.40km	- E
Nearest Village	Malehara	- 2.00 km	-NE
Hills/Valley	None within 10km radius		
Ecological Sensitive Zone within 10km radius	None within 10km radius		
Reserve Forest	Malehara RF	-0.26km	ó NNW
	Bari RF	-0.5km	- ESE
Historical Place	None in 10 km radius		
Nearest River/ Nalla	Urmal N	ó 7.25km	-WNW
	Singhari N	ó 3.90km	-SW
	Local Nalla	ó 1.0km	-SW
	Local Nalla	ó 0.35km	-W
	Water Reservoir	ó 0.8km	ó N
	Bhitari Tal	ó 6.0km	- E

It was reported by the PP that

- The lease area of 3.749 hectares was originally granted in favour of Kamal Sharma for 30 years.



- The lease area comes under Govt. land
- Two other lease area are located within 500m radius,
- The scheme of mining with progressive mine closure plan has been approved by DGM, Bhopal

Salient feature of the lease area

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease Area	3.749 ha
Mineable Area	3.0970 ha
Existing Pits & Quarries	0.0180 ha
Existing Dumps	Nil
Infrastructure and road	Nil
Mineral Storage	Nil
Plantation	Nil
Total Minalbe Reserve	449880 cum
Method of mining	Mechanised
Ultimate Depth of Mining	19m bgl (249mRL)
Ultimate Pit Slope	<sup>7</sup> 0°
Expected Life of Mines	90 years
Lease Period	30year
Stripping Ratio	1:0.67

Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	3.0407 ha
Area to be reclaimed by conceptual period	Nil
Area to be covered under plantation by conceptual period	0.7083ha
Area to be covered under water reservoir	2.50 ha
Monsoon period	25m bgl (243 mRL)
Dry month	30m bgl (238mRL)

### **Mining Method**

- Opencast Mechanized Method of Mining is proposed by using of tools such as fixed crane, wire saw, drilling machine etc.
- During the proposed mining, blocks of granite will be excavated by using wire saw. The rectangular blocks (2.9x1.9x1.9mt.) of granite will be produced. Produced blocks of granite will be transported to cutting unit for further processing. The primary block is separated from mainsheet with the help of feathered and wedges and the block removed by the excavators.
- Waste material in the form of chips and weathered rock material will be generated. It will be about 20 % by volume. Thus recovery percentage of mineral will be 80 % of ROM.
- Block cutting of mineral will be done by using machineries which deployed strictly under the supervision.
- During the year, mining in the eastern part of the area shall be started from 271 mRL with top óslicing opencast method by stabilizing 267 mRL bench.
- Dumps of waste material and soil will be placed in north and north western part of the area in the non mineralised area and 7.5 mtr barrier zone.
- Loading of the block of granite will be done by mobile crane and loading of overburden will be hauled by loader cum dumper combination.

### **Existing and proposed land use plan**

Items	Existing	At the end of lease period
Total lease area	3.749 ha	
Total minable reserve	449880 cum	
Ultimate depth of mining	265 mRL	249 mRL
Ultimate pit slope	70 <sup>0</sup>	70 <sup>0</sup>
Area under dumps	Nil	Nil
Area under pits	0.0180 ha	3.0407 ha
Afforestation	nil	0.7083 ha
Road	Nil	0.172 ha
Area fully rehabilitated through water body	Nil	2.5ha

The case was presented by the PP and their consultant and requested that their project be considered as B-2 category for following reasons:-

1. Granite has been considered as minor mineral under the relevant mining rule.
2. Further the mine area is only 3.749 ha.
3. The production volume is very small i.e. 5000 cum per year.
4. No blasting is required and proposed for granite mining.
5. No environmental sensitive issues are observed which may be affected by virtue of mining of granite.
4. The nearest habitation is 2 km away from the site. No first order stream is passing through the lease area

5. No ground water intersection is envisaged from the proposal of granite mining. Hence no impact on the hydro geological aspect is envisaged.

The committee examined the above request of PP in the light of following observations:-

- ✓ Granite is a minor mineral and is governed by granite Conservation and Development Rule, 1999.
- ✓ Mining projects of minor minerals having lease area less than 5 ha were brought under the purview of EIA notification 2006 after a judgment of Hon Supreme court Deepak Kumar Vs State of Haryana dated 27.2.2012.

In view of above, the committee decided to consider above case as B-2 category and the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure Aø

1. Production of Granite as per mine plan with quantity not exceeding 5,000 cum/year.
2. 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.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. 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. Entire plantation should be carried out in the initial 2-3 years while maintenance and causality replacement be done in subsequent years.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

10. 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.

**(R. B. LAL)**  
**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. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
3. Transportation of material shall be done in covered vehicles.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done using appropriate media.
6. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**Annexure- 'B'**

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

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