

The 196<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 2<sup>nd</sup> June, 2015 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. Shri K.P. Nyati, Member
3. Dr. U.R. Singh, Member
4. Dr. M.P. Singh, Member
5. Dr. Alok Mittal, Member
6. Shri Manohar K. Joshi, Member
7. Dr. Manoj Pradhan, Member
8. Shri A. A. Mishra, Secretary

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

**1. Case No. 1008/2012 - Shri Omprakash Rai Katni Road, , P.O. Maihar, Distt. Satna – 485771 . Lease Area – 11.894 Ha. Pahari (No.-1) Limestone and Reject Stone at Khasra No. – 797 to 801, 810, 811, etc. at village- Pahari, Tehsil- Maihar, Distt. Satna (M.P.) Production Capacity of 30,000 TPA to 75,000 TPA, ToR (116) issued letter No.- 708 dt. 25/09/13.**

This is a case of mining of Limestone & reject stone. TOR was issued by SEAC to carry out EIA and prepare EMP by SEAC vide letter dated 25/09/2013. The EIA based on the TOR was forwarded to SEAC for appraisal and necessary recommendations. Salient features of the project with EIA and EMP were presented by the PP and his consultant before the committee in this meeting. Mining is proposed at Khasra no. 797 to 801, 810, 811, etc. at village Pahari, Tehsil- Maihar, Distt. Satna, in an area of 11.894 Ha. The existing production capacity is 30000 MTPA which is proposed to be enhanced to 75000 MTPA.

The scrutiny of the EMP revealed that the same is general and not project specific. Hence PP was asked to submit project specific EMP with special reference to the following:

- Detailed plantation scheme depicted on the lay-out map of lease area. Plants preferably the local species proposed to be planted with budget has to be furnished.
- Year-wise production figures from prior to 1994 till the last production taken from the mine duly validated from the Mining department to be furnished.
- Activity-wise water requirement in the project with source.
- CSR budget to be revised with activity-wise allocation.
- EMP should also include the construction / repair of the service roads with budget earmarked for the same.

**2. Case No. 1013/2012 – Shri Omprakash Rai Katni Road, , P.O. Maihar, Distt. Satna – 485771 Renewal of Mining Lease for – 20 Year, Lease Area – 6.543 Ha. Pahari (No.- 3) Limestone Mine along with Crusher at Khasra No. – 1167, 1168, 1165, 1166, etc. (Total - 31.06 Bigha or 6.543 ha.) at Village- Pahari, Tehsil- Maihar, Distt. Satna (M.P.) Proposed Production of Lime Stone and Reject Stone – 1,00,000 MTPA, Production Capacity of 30,000 MTPA, Renewal of Mining Lease for – 30Year . ToR issued (115) letter no. 710 dt. 25/09/13.**

This is a case of mining of Limestone & reject stones. TOR was issued by SEAC to carry out EIA and prepare EMP by SEAC vide letter dated 25/09/2013. The EIA based on the TOR was

forwarded to SEAC for appraisal and necessary recommendations. Salient features of the project with EIA and EMP were presented by the PP and his consultant before the committee in this meeting. Mining is proposed at Khasra No. – 1167, 1168, 1165, 1166, etc. **(Total - 31.06 Bigha or 6.543 ha.)** at Village- Pahari, Tehsil- Maihar, Distt. Satna (M.P.). The existing production capacity is 30000 MTPA which is proposed to be enhanced to 1.0 lac MTPA.

The scrutiny of the EMP revealed that the same is general and not project specific. Hence PP was asked to submit project specific EMP with special reference to the following:

- Detailed plantation scheme depicted on the lay-out map of lease area. Plants preferably the local species proposed to be planted with budget has to be furnished.
- Year-wise production figures from prior to 1994 till the last production taken from the mine duly validated from the Mining department to be furnished. Activity-wise water requirement in the project with source.
- CSR budget to be revised with activity-wise allocation.
- EMP should also include the construction / repair of the service roads with budget earmarked for the same.

**3. Case No. 1021/2012 Shri Om Prakash Rai, katni Road, District - Satna (M.P.) – 485771 .Pahai (No. -2) Lime Stone Mine at Khasra No. – 1161, 1162, 1163/1,2, 1164, 1165, 1166, 1167, 1168, 1281/1,2 Village- Pahari, Tehsil – Maihar, Distt. – Satna (M.P.) Lease Area – 8.094 Ha., Lease Period – 10 Year. Proposed Capacity – 30,000 Cubic Meter/Year, ToR issued (116) letter no. 274 dt. 11/03/13.**

This is a case of mining of Limestone & reject stones. TOR was issued by SEAC to carry out EIA and prepare EMP by SEAC vide letter dated 11/03/2013. The EIA based on the TOR was forwarded to SEAC for appraisal and necessary recommendations. Salient features of the project with EIA and EMP were presented by the PP and his consultant before the committee in this meeting. Mining is proposed at Khasra No. – 1161, 1162, 1163/1,2, 1164, 1165, 1166, 1167, 1168, 1281/1,2 Village- Pahari, Tehsil – Maihar, Distt. – Satna (M.P.) Lease Area – 8.094 Ha., The proposed production capacity is 30000 MTPA.

The scrutiny of the EMP revealed that the same is general and not project specific. Hence PP was asked to submit project specific EMP with special reference to the following:

- Detailed plantation scheme depicted on the lay-out map of lease area. Plants preferably the local species proposed to be planted with budget has to be furnished.
- Year-wise production figures from prior to 1994 till the last production taken from the mine duly validated from the Mining department to be furnished.
- Activity-wise water requirement in the project with source.
- CSR budget to be revised with activity-wise allocation.
- EMP should also include the construction / repair of the service roads with budget reserved for the same.

*Note- The EMP submitted for all the above three projects is found to be identical and general irrespective of size and production capacities. Hence PP and their consultant were asked to ensure that the EMP should be location specific for all three projects.*

*The committee was disappointed with the approach adopted by the consultant in preparation of EIA report particularly the discrepancies in EMP and mis-match in data/ information analysis.*

- 4. Case No. 1020/2012, Shri Om Prakash Rai, Katni Road, District Satna (M.P.) – 485771**  
*.Nandan ( Shiva Prasad) Lime Stone Mine at Khasra No. – 49,55 P, 56 P, 88, 89, 90, 92, 93, 94, 114 & 118 P Village- Nandan, Tehsil – Maihar, Distt. – Satna (M.P.) Lease Area – 8.09 Ha., Lease Period – 20 Year. Proposed Capacity – 1.0 Lac MT/ Year. ToR issued (116) letter no. 272dt. 11/03/13.*

This is a case of mining of Limestone. TOR was issued by SEAC to carry out EIA and prepare EMP by SEAC vide letter dated 11/03/2013. The EIA based on the TOR was forwarded to SEAC for appraisal and necessary recommendations. Salient features of the project with EIA and EMP were presented by the PP and his consultant before the committee in this meeting. Mining is proposed at Khasra No. – 49,55 P, 56 P, 88, 89, 90, 92, 93, 94, 114 & 118 P Village- Nandan, Tehsil – Maihar, Distt. – Satna (M.P.) Lease Area – 8.09 Ha., The proposed production capacity is 1.0 lac MTPA.

After deliberations PP was asked to submit response for the following points:

- a. Year-wise production figures prior to 1994 till the last production from the mine duly validated from the Mining department.
- b. CSR budget to be revised as suggested by the committee with activity-wise allocation.
- c. Detailed plantation scheme depicted on the lay-out map of lease area. Plants preferably the local species proposed to be planted with budget has to be furnished.

- 5. Case No. – 2561/2015 Shri Shiva Dixit, Director, Jaypee Nagar, Rewa (M.P.)***Jura Limestone Mine Lease Area - 25.595 ha., Capacity -30,000 TPA, at Khasra No. – 158, 159, 160, 161, 164, 165, 166, 167, 168, 169, 170, 171, 172, Village-Jura, Teh.-Maihar, Distt.-Satna (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 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.

- 6. Case No. – 2562/2015 Shri Shiva Dixit, Director, Jaypee Nagar, Rewa (M.P.)***Jura Limestone Mine Lease Area-23.287 ha., Capacity -50,000 TPA, at Khasra No. – 397 to 413, 418 to 435, 438 to 443 and 466 to 467, Village-Jura, Teh.-Maihar, Distt.-Satna (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 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.

- 7. Case No. - 1369/2013 Shri N.D. Upadhyay, Post – Tirodi, Distt. – Balaghat (M.P.) – 481449.***Expansion of Jam Manganese Ore Mine at Khasra No. – 747, Village – Jam, Tehsil- Katangi, Distt. – Balaghat (M.P.). Lease Area – 8.09 Ha. Proposed Capacity – 5,000 TPA.*

This is a mining project in an area of 8.09 Ha. The minerals proposed for mining is Manganese ore with capacity expansion from 1200 to 5,000 TPA. TOR to carry out EIA was issued by SEAC vide letter dated 29/06/2013. EIA submitted by the PP was forwarded to SEAC. The salient features of the project and the EIA / EMP were presented by the PP and his consultant before the committee in 196<sup>th</sup> meeting dated 02<sup>nd</sup> June, 2015. The presentation reveals following:

**Location and Approach**

É Site	:	Village - Jam
É Tehsil	:	Katangi
É District	:	Balaghat
É Location	:	Toposheet No. 55O/13 & 14
É Land Use	:	Govt. Land
É Khasra No.	:	747
É Latitude	:	21 <sup>o</sup> 45'07.3ö North
É Longitude	:	79 <sup>o</sup> 53'01.5ö E
É Road Connectivity	:	Katnagi-Jam- Jarah Mohgaon Road

**Public Hearing Details**

- ❖ Public consultation has been conducted by SPCB on 15.07.2014 at Mine Premises, Jam, Tehsil Katangi Dist. Balaghat (MP) by ADM, Balaghat
- ❖ 89 peoples have attended the hearing and observed that people of nearby areas are in favour of mining project as they will get employment from it. Ten of them registered their opinion in writing.
- ❖ It was reported that the issues raised were duly addressed and clarified
- ❖ No adverse comments have been observed / received during the Public Hearing.

Public hearing was discussed in depth and no adverse issues are noticed. The balsting is being carried out by Nonel system in which is apparently vibration free.

**Mineable reserves and anticipated life of the mine:**

Thus, the total mineable reserves            32225.4  
 Anticipation life of mine with  
 Actual production of 22,613 T First Five years  
 Balance 9612 T@ 5000 T per year  
 Therefore the anticipated life of mine is - 7 years  
 Mine-life: The mine life is taken maximum production  
 First five year scheme period + (Reserves ó five year period production)/Max proposed production  
 $32225.40 - 22613 = 9612 / 5000 = 5 + 1.92 = 6.92$  years say 7 years

**Production schedule –**

- Mining capacity ó 5,000 TPA.

**Mining Method**

- Opencast manual/ semi-mechanized method of mining has been carried out and same will be continuing in future by using hand tools i.e. spades, chisel, drill machine, JCB, Dumper, Jack Hammer etc.
- Presently 3pits have been observed in lease area, which covers about 3.4279ha area
- Haul road will be extended up-to the bottom of the pit.
- The mining operations include removal of overburden, drilling by diesel compressor & Jack hammer, blasting and removal of manganese ore to the surface and screening and sizing.
- The mining operations are proposed in un-worked area in between SW boundary and Pit no. 2 taking advantage of irregular excavation in pit no.1.
- It is proposed to take up mining of primary bedded and the mining activity will consist of:
- Initially removal of overburden to the surface near the working pit.
- Mining of Manganese ore from ore zone.

- Removal of mined ROM to the surface for proper breaking, sizing, sorting, screening, stacking & jiggling etc.
- Preparing grade wise stacks of ore for delivery.
- Dewatering of the working pits
- Bench height and width will be about 5m in ore

**Details of Existing Pits**

Pit No. 1 : 251mL x 91mW x 25mD

Pit No. 2 : 142mL x 30mW x 10mD

Pit No. 3 : 194mL x 37mW x 10mD

**Salient features of the project:**

SN	Particulars	Details
1	Type of Mine	Opencast
2	Mining Lease Area	8.09ha
3.	Mineable Area	4.4120ha
4.	Existing Pits	3.4279ha
5.	Existing dump	3.2362ha
6.	Infrastructure and road	0.058ha
7.	Mineral Storage	0.0576ha
8.	Plantation	1.0ha
9.	Recoverable Reserve	35806 T
10.	Method of mining	Manual/ semi-mechanised
11.	Ultimate Depth of Mining	28m bgl (318m RL)
12.	Existing capacity	1200 tonne
14.	Proposed capacity	5000 tonne
15.	Expected Life of Mines	7 years
16.	Lease Period	20years upto 2022
17	Thickness of soil/OB	
	Minimum	0.0 m
	Maximum	2.0 m
	Average	2.0 m
18	Proposed mode to transportation of mineral	Road
19	Area to be covered under dumps	3.2362 ha
20	Area to be covered under open pit	4.4120 ha
21	Area to be reclaimed by lease period end	Nil
22	Area to be converted as water body	2.5ha
23	Area to be covered under plantation	3.2ha
24	Average mRL	346-345mRL
25	Ground water table	
25	Monsoon period	6m bgl
	Dry month	8-9m bgl

**Conceptual plan of the project**

Items	Existing	At the end lease period
<b>Total lease area</b>	<b>8.09 ha</b>	
Area under pits	3.4279ha	4.4120ha
Area under Dumps	3.2362ha	3.2362ha
Area to be reclaimed	Nil	Nil
Infrastructure & Road	0.058ha	0.13ha
Mineral storage	0.0576ha	Nil
Plantation	1.0ha	3.2ha
Water reservoir	1.056ha	2.5ha

**Environmental setting of the project**

SN	Particulars	Details
1.	Locations	
	Village	Jam
	Tehsil	Katangi
	District	Balaghat
	State	MP
2.	Latitude	21 <sup>o</sup> 45'07.36 North
	Longitude	79 <sup>o</sup> 53'01.56 East
3.	General ground level	346m
4.	Nearest National/state Highway	Katangi - Jarahmohgaon PWD Road - passing outside from lease area.
5.	Nearest Railway Station	Lakhanwara - NNE - 3.50 km
6.	Nearest Airport	Nagpur - 150.0 km
7.	Nearest Tourist Place within 10km radius.	None
8.	Archaeological Important Place within 10km radius.	None
9.	Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None
10.	Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	None
11.	Nearest major city with 100000 population within 10km radius	Nil
12.	Nearest Town / City within 10km radius	Katangi - WNW 6 8.5km
13.	Nearest Village	Arjunitola - E - 0.1 km
14.	Nearest River	Chandan River - SSW - 2.25km
15.	Nearest Nalla	Jamuniya Nalla - W - 1.0km Jamuniya Canal - W - 0.1km Karnitola Pond - ENE - 0.60km Katang Nalla - SSE 6 5.5km
16.	Nearest Hill Ranges	None within 10km radius
17.	Other running quarries within 5km radius	02 quarry Jarahmohgaon 02 (M/s Jaipuria Leo Software Ltd. And Balasore Alloy Ltd.)
18.	Industry within 10km radius	None within 10km radius

**Environment Management Plan:**

**Air pollution control measures reported to be practiced -**

Following air pollution control measures will be taken to minimize negative impact due to mining activity.

- Spraying of water has been observed on the haulage roads, services road & dump area. Same practice need to be adopted in future also
- Regular water spraying over the dumps (once in a day) is suggested at this stage
- Dumping has been all around the lease area in barrier zone mostly in north west direction away from the habitation i.e. eastern direction. Plantation has been observed in the lease toward the village side. It is suggested to make circle of the same around the lease area.
- Over burden dumps has been observed as partially stabilized with legumes and grasses, which help to prevent the erosion of soil and to arrest the dust emission during windy days. These dumps should be completely stabilized and same shall be taken up at earliest as backfilling is not proposed at this stage.
- Water has been sprayed over the muck pile and dumps to reduce the dust generation;
- Dust mask has been provided to all workers, but wearing of the same should be made compulsory.
- Water spraying during the drilling, has been practices to reduce the dust emission
- Haulage of overburden/mine waste to the siding has been done by dumper. The approach road from lease area to road is pucca and adjacent hence scenario of dust emission over kuccha road is eliminated. However water spraying over the road is suggested prior to movement of dumper for at least 0.440 km from the mining gate.
- Regular maintenance of vehicles and machines has been observed in order to control emissions;
- Frequent Water spraying has already been carried out on the haulage roads & services road and same practice will continue in future also.
- Considering the location of village (east direction), dumping has been done in North West direction

**Impact of Predicted MGLC By Open Pit and Line Source Emission**

**Predicted incremental concentrations by Haul road emission**

<b>Pollutant</b>	<b>Incremental value of PM<sub>10</sub> µg/m<sup>3</sup></b>
I <sup>st</sup> Max for 1hrs value	1.09
I <sup>st</sup> Max for 24hrs value	0.53

**Predicted incremental concentrations by village road emission**

<b>Pollutant</b>	<b>Incremental value of PM<sub>10</sub> µg/m<sup>3</sup></b>
I <sup>st</sup> Max for 1hrs value	2.57
I <sup>st</sup> Max for 24hrs value	0.43

**Water Pollution Control Measures reported to be practiced-**

The water table as seen in a nearby well goes down 336m RL i.e. 9meters below surface during summer and rise upto 339MRL during rainy season. At the end of the lease period, the deepest working is likely to reach to 318 MRL. Therefore, the water table intersect during mine working hence hydrology has already got impact, which is mitigated by dropping the seeped water at existing abandoned pit and Karnitola pond located to nearby of area, which help to regain the ground water profile of area. Following measures has already been taken by the lessee to minimize the impact of mining on water environment:

1. Regular removal of settled silt from the settling tank.
2. The mining site has already been equipped with basic sanitary facilities like engineered latrine followed by septic tanks.

3. The parking area (in front of mine office) should be provided with drainage system and shall be diverted to settling tank.
4. It is suggested to construct 6 settling tank at each corner, considering the length of drain i.e. 1.65kme

**Noise Pollution Control Measures reported to be practiced -**

Following management practices have been observed for the present operation.

A) Drilling

1. Hydraulic drills has been used for drilling;
2. All moving parts are properly lubricated; and
3. Non-moving parts are properly fastened.

B) Blasting

- Blast has well designed and arranged in such a way that only one or two holes are blasted at a time with the use of short delay detonators in combination with sequential blasting machine and also maintaining the charge per delay;
- Hydraulic Rock Breaker is used for breaking boulders instead of conventional pop shooting;
- Explosives is blasted in confined stage or optimum stemming column is maintained during charging of holes;
- Blasting is practiced between 12 noon to 4 pm when temperature inversions are not likely to be there and air density is less.

In order to further control with respect to expanded capacity, following measures are adopted:

- Row of trees are planted all around mine premises to reduce propagation of noise and dust due to blast outside the lease;
- No blasting shall be done when the sky is clouded because cloud cover can cause reflection of pressure wave back to the ground level at some distance from the blast; and
- The workforce working at the mining face, where high noise level is expected, has been provided with protective device for occupational safety, however it's wearing should be made compulsory to them.
- Inspection and maintenance scheduled need to be nicely formulated and strictly adhered to.
- Noise generating machinery, should strictly be in compliance with the recommendations of the manufacturers.
- Provision of insulating caps and aids at the exit of noise source on the machinery
- Maintenance of machines and vehicles has been carried out regularly. The scheduling of frequency is need attraction.
- Use of physical barriers and green belt development around the mine to restrict the noise from going outside the mine boundary during operation

**Solid Waste Management**

During the last five years, 83395 cum waste has been generated which has been kept as dumps. Total existing dumps are 04 in numbers. These dumps are being located all around the lease area at barrier zone. During the next five 77153 cubic meter mine waste and 7780 cubic meter soil will be generated, which will be dumped in outside of lease area which is acquired by lessee. No back filling is proposed at this stage. The excavated area of 2.5 ha will be converted as water retaining body. The bench height in overburden will be 2 mt and over all height of dump will be 20 mt.

**Reclamation plan**

Reclamation will be start only after the full thickness of manganese will be mined out. Retaining wall at the downside of dump has been observed, which help to prevent the flow of boulder to the village and road side



**Detail of existing waste dump**

S. No.	Size in m L x W x H	Quantity in cum
1	190*42.6*9.04	72846
2	441*27*14	166698
3	150*31*5	23250
4	220*35*12	92400

**Budget for Environmental Protection**

S. No.	Head	Approximate Capital cost (Rs. In lacs)	Basis	Approximate recurring cost per annum (Rs. in lacs)	Basis
1	Air pollution monitoring	2.0	Cost includes water spraying arrangement	1.62 (Rs 4500/- per sample)	Expected cost includes regular monitoring by approved third party
2	Water pollution monitoring	3.0	Include cost of septic tank, garland drain, Settling tanks (15 no.)	1.05 Rs 3500/- per sample for G/w, S/w, M/D etc)	Expected cost includes regular monitoring by approved third party
3	Noise pollution monitoring	Nil	-	0.25	Expected cost includes regular monitoring by approved third party
4	Solid and hazardous waste management	3.0	Capital cost include cost of RCC dyke for keeping of oil drums	0.12 @1000/- per month	Expected cost of cleaning and maintenance
5	Environmental Monitoring and management	1.5	-	2.0	Recurring cost would incur on hiring of consultants for environmental management
6	Plantation at Site	0.5	Plantation in and around site	1.5	Maintenance of plantation
7	De-siltation of pit and ST		-	1.0 (0.50 in six month)	Six monthly basis
<b>Total</b>		<b>10.00</b>		<b>7.54</b>	

**Exsting and Proposed Afforestation plan**

S. No.	Type of Local species	No.
1.	Karanj	300
2	Gulmohar	275
3	Awla	200
4	Jamun	250
5	Neem	50
6	Kathal	25

7	Sitafal	100
8	Bans	100
9	Babool	75
10	Raintree	75
11	Saptapriya	50

<b>ENVIRONMENT IMPACT &amp; MANAGEMENT: Ecology: Stage Wise Cumulative Plantation</b>										
<b>REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION</b>										
Year	Unworked area		Outside dumps		Inside dump		Soil dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	0.2	200	-	-	0.8	1300	-	-	1.0	1500
1 <sup>st</sup> to 5 <sup>th</sup>	0.5	750	-	-	0.5	750	-	-	1.0	1500
5 <sup>th</sup> to conceptual period	0.2	500	-	-	1.0	1500	-	-	1.2	2000
<b>Total</b>	<b>0.9</b>	<b>1450</b>	<b>-</b>	<b>-</b>	<b>2.3</b>	<b>3550</b>	<b>-</b>	<b>-</b>	<b>3.2</b>	<b>5000</b>

Following are the CSR Activities undertaken by Jam Manganese ore mine to ensure socioeconomic upliftment of surrounding communities and people living nearby Village Jam of Balaghat:

- Provision of Healthcare facilities to surrounding villages including Jam.
- Roadside plantation of trees and that also covering barren land nearby
- Provision of mine water for agricultural purposes.

**CSR Action Plan ensuring socioeconomic benefits**

SN	Need Identified For CSR Plan	Activities	Duration	Frequency	Budgetary Provision (Rs.)
1.	Health and hygiene awareness camps and check-ups	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.	Half yearly	Four camps a year	50,000
2.	Tree plantation	The plantation of various saplings surrounding roadside area used for the transportation sequentially.	Seasonal	Scheduled	30,000
3.	Water Supply	Drinking water supply to villagers through two hand pumps and pit water supply for agricultural purposes.	One time	-	50,000
4.	Water Supply	Pit water supply for agricultural purposes through dedicated pipeline	One time	-	30,000
Total					<b>160,000</b>

**Compliance of EC conditions:**

The verified compliance report for earlier EC has been received from RO, MoEF and discussed in detail. The level of compliance from the mine owner is found satisfactory.

Based on the presentation and submissions made by the PP the case was recommended for grant of prior EC subject to the following special conditions:

1. Monitoring of AAQM, ground and surface water need to be carried out on regular basis as per the condition of consent / approved EMP.
2. Green belt shall be developed all around the boundary of the lease area.
3. Water spraying over the road has to be carried out prior to movement of dumper for at least 0.300 km from the mining gate.
4. Regular removal of settled silt from the settling tank is required.
5. The parking area (in front of mine office) shall be provided proper drainage system and shall be diverted to settling tank.
6. It must be ensured that 6 settling tank at each corner will be carried out in accordance with the length of drain i.e. 1.65km.
7. Regular cleaning of pond, canal and nalla is recommended to avoid any social issues.

**8. Case No. – 2583/2015 Mr. S.K. Arora, Director, M/s MNT Infratech Pvt. Ltd., Plot No. 30, Institutional Area, Sector-32, Gurgaon 122002 (Haryana).** *proposed Residential Project "Asteria" at Khasra No. – 2, 3, 5, 6, 7, 10, 13/1, 14/1, 29, Village-Pipelia Kasho, Teh.-Huzur, Distt.-Bhopal (M.P.) Total Project Area- 75160.71 m<sup>2</sup> (7.52 ha.) Total Built up Area- 42466.23 m<sup>2</sup>*

This is a building construction project comprising a Residential complex on a plot area of 75160.71 m<sup>2</sup> (7.52 Ha) and total built-up area of 42466.23 m<sup>2</sup>. The project is proposed at *Khasra No. – 2, 3, 5, 6, 7, 10, 13/1, 14/1, 29, Village-Pipelia Kasho, Teh.-Huzur, Distt.-Bhopal (M.P.)*. By virtue of type and size of the project falls under category 8(a) & B2 as per the schedule of the EIA notification hence requires prior EC from SEIAA before commencement of activity at site. Application along with the relevant documents was forwarded to SEAC by SEIAA for appraisal and necessary recommendations. PP and his consultant presented the salient features of the project along with the EMP proposed during construction as well as operation phase. After deliberations PP was asked to submit response to the following queries of the committee:

1. Width of the internal roads to be reviewed in accordance to the M.P. Bhoomi Vikas Niyam 2012 so as ensure smooth operation of Fire tenders during emergency. All access roads should be of 7.5 m wide
2. Plantation scheme to be furnished with provision of thick Plantation of perennial trees along the periphery of the project boundary and in the buffer zone of 9 meters between nallah and the project boundary. The total plantation scheme with budget to be furnished.
3. MSW storage area has to be re-located near STP.
4. Open space has to be provided in the area earmarked for EWS and LIG units.
5. Plan with commitment for utilization of treated sewage water to be furnished.
6. Provision for double row plantation
7. Provision for dual plumbing in entire project
8. Recalculate water requirement taking in to account dual plumbing in entire project
9. No composting at site shall be allowed hence alternate provision for disposal of STP sludge to be furnished.
10. Submit clearance / NOC of Competent authority for ground water extraction

- 9. Case No. – 2588/2015** Mr. Rajesh Talati, Director, M/s Mars Durobuild Pvt. Ltd., 103, Chhota Bangarda, Near National Public School, Teh. & Distt. -Indore-462006 (M.P.).*Prior Environment Clearance for proposed residential project "Ahinsa Residency & Villas" of M/s MARS DUROBUILD Pvt. Ltd. & Mr. Mohanlal Khatod S/o Late Shri Ramlal Khadod. at Village-Chhota Bangarda, Teh. & Distt. -Indore (M.P.) Total Plot Area- 56750.00 Sq.mt. (5.675 ha.) Total Land Area in possession – 52502.04 Sq.mt., Total Built up Area- 67368.75 Sq.mt.*

This is a building construction project comprising a Residential complex on a plot area of 56750.00 m<sup>2</sup> (5.675 Ha) and total built-up area of 67368.75 m<sup>2</sup>. The project is proposed at *Village-Chhota Bangarda, Teh. & Distt. -Indore (M.P.)*. By virtue of type and size of the project falls under category 8(a) & B2 as per the schedule of the EIA notification hence requires prior EC from SEIAA before commencement of activity at site. Application along with the relevant documents was forwarded to SEAC by SEIAA for appraisal and necessary recommendations. PP and his consultant presented the salient features of the project along with the EMP proposed during construction as well as operation phase.

Scrutiny of the case revealed that consent of Shri Mohanlal Khatod one of the project proponents is not available in the records. PP could not furnish the land ownership documents and requested for some time for submission of the same. The case was thus deferred till receipt of the above documents and was not appraised.

- 10. Case No. – 2601/2015** Shri Umashankar Mishra, M/s Uma Shankar Mishra, Indira Nagar, Rewa (M.P.)-486001.*Laterite, Quartz & Clay Mine Lease Area - 8.04 ha., Capacity - 15,028 cum/year, at Village-Umaria, Teh.-Dheemarkheda, Distt.-Katni (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 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. – 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 Village-Borda, Kolar Road, Phanda, Teh.-Huzur, Distt.-Bhopal (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 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.

- 12. Case No. – 2640/2015** Mr. Anil Satwani, Managing Director, Symbiotec Pharmed Pvt. Ltd., 385/2, Pigdambar, Rau, Indore (M.P.)-453331.*Prior Environment Clearance for proposed expansion of Manufacturing of Bulk Drugs (Steroids & Hormones) at Plot No. : 3,5,6,7*

& 8, Pharma Zone, Phase-II, Indore Special Economic Zone, Tehsil-Pithampur, District-Dhar (MP).

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.

**13. Case No. – 2642/2015 Mr. Rajesh Parchani, CEO, A-101, Orchard Point, Palace Orchard, Kolar Road, Bhopal-462016 (M.P.).** *Prior Environment Clearance for proposed Residential Group Housing Project "Signature-360" at Village-Barrai, Tehsil-Huzur, District-Bhopal (MP).*

This is a building construction project comprising a Residential. The project is proposed at Village-Barrai, Tehsil-Huzur, District-Bhopal (MP). By virtue of type and size of the project falls under category 8(a) & B2 as per the schedule of the EIA notification hence requires prior EC from SEIAA before commencement of activity at site. Application along with the relevant documents was forwarded to SEAC by SEIAA for appraisal and necessary recommendations.

It was reported by the PP and their consultant that construction activity at site has already been initiated. Thus the case is of violation. Committee decided to return the case to SEIAA with recommendation for credible action as per the provisions of the O.M. of MoEF & CC dated 12/12/2012. The case can only be considered after receipt of evidence of credible action against the duly forwarded by SEIAA.

**14. Case No. – 2643/2015 Mr. Arun Agrawal, B-62, Paraspar Colony, Chuna Bhatti, Bhopal-462017 (M.P.).** *Prior Environment Clearance for proposed Residential Group Housing Project "Padam Heights" at Village-Raslakhedi, Tehsil-Huzur, District-Bhopal (MP).*

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. – 2660/2015 Shri Sagar Raj Gurjar C/o Jai Shri Balaji Mines & Minerals, Govardhan Vilas, Valicha By Pass, Udaipur (Rajasthan)-313002.** *Makdawan Laterite Mine Lease Area - 14.20 ha., Capacity - 2,00,000 TPA, at Village-Makdawan, Tehsil-Shamgarh, District-Mandsaur (MP).*

This is a case of mining Laterite. The application was forwarded to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP. Salient features of the project with location aspects were presented by the PP and his consultant before the committee in this meeting. Mining is proposed at Village-Makdawan, Tehsil-Shamgarh, District-Mandsaur (MP), in an area of 14.20 Ha. The proposed production capacity is 2.0 Lac TPA.

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

- Since there is a Nala nearby ML area , special focus / chapter be added on impact of mining on natural drainage system, siltation and ground water etc and a well designed imitative plan as part of EMP.
- Impact of mining on natural drainage system
- Protection of siltation in down stream
- Effect on ground water regime.

**16. Case No. – 2668/2015 Shri Nitish Arjaria, M/s Khajuraho Stone (India) Pvt. Ltd., 6th Km., Sagar Road, Dhadari, P.O. & District-Chhatarpur (M.P.)-471001.Stone Quarry Lease Area - ha.4.00 ha., Capacity -1,00,000 cum/year, at Village-Ghoora, Tehsil-Rajnagar, District-Chhatarpur (MP) .**

This is a case of mining of stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Ghoora, Tehsil-Rajnagar, District-Chhatarpur (MP), in - 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. PP has reported that the pit formed after mining shall be developed into a water body. Crusher is not proposed in the lease area. Concerned Mining Officer vide letter no. 256 dated 12/03/2015 has reported that there is no mine operating /proposed within 500 meters around the said mine. It was submitted by the PP during meeting that the service roads and the bridge shall be maintained by them in consultation with the concerned authorities. The project site is reported to be 8.5 Km from the boundary of Core zone and 7.6 Km from the boundary of Buffer zone of the Panna Tiger Reserve by the Chief Wild Life Warden. The Chief Wild Life Warden has granted NOC for the project vide letter no. 3659 dated 26/05/2015 along with a copy of authentication of the location on map.

PP is required to furnish copy of the application submitted to the competent authority for wild life clearance/clearance from standing committee of NBWL.

**17. Case No. – 2685/2015 Shri Alok Chaturvedi Capacity - Partner/Attorney,, M/s Bundelkhand Granite, 6th km Sagar Road, Dhadari, P.O. & District-Chhatarpur .Stone Quarry Lease Area-3.60 ha., Capacity - 75,000 MTPA, at Village-Khajua, Tehsil-Rajnagar, District-Chhatarpur (M.P.) .**

This is a case of mining of Stone boulder. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Village-Khajua, Tehsil-Rajnagar, District-Chhatarpur (M.P.) in 3.60 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. PP has reported that the pit formed after mining shall be developed into a water body. Crusher is not proposed in the lease area. Concerned Mining Officer vide letter no. 1528 dated 09/12/2014 has reported that there is no mine operating /proposed within 500 meters around the said mine.

It was observed by the committee that this is an existing / operating mine and lease has been renewed with condition to operate after EC. Accordingly PP has applied for EC. During presentation it was observed that a nallah is passing from near the project boundary. After deliberation committee decided to visit the site to assess the existing status of the mine and the protection measures taken / proposed for conservation of the nallah.

**18. Case No. – 2686/2015 Mr. Rajesh Parchani, Signature Infrastructure, 15-16, Comfort Enclave, E-8 Extension, Babadiya Kalan, Bhopal-462042 (M.P.).** *Prior Environment Clearance for proposed Residential Project "Signature City" at Khasra No. – 163/1, 163/2, 163/3, 164/4, 165, 166, 167, 168, 169/1, 169/2, 172/2, Village-Bagli & Barrai Khasra No. - 326, Tehsil-Huzur, District-Bhopal (M.P.) Total Plot Area- 80970 m<sup>2</sup> Total Built up Area- 81238.36 m<sup>2</sup> (MPVPR).*

This is a building construction project comprising a Residential complex. Proposed plot area is 80970 m<sup>2</sup> and total built-up area is 81238.36 m<sup>2</sup>. The project is proposed at Khasra No. – 163/1, 163/2, 163/3, 164/4, 165, 166, 167, 168, 169/1, 169/2, 172/2, Village-Bagli & Barrai Khasra No. - 326, Tehsil-Huzur, District-Bhopal (M.P.). By virtue of type and size of the project falls under category 8(a) ó B2 as per the schedule of the EIA notification hence requires prior EC from SEIAA before commencement of activity at site. Application along with the relevant documents was forwarded to SEAC by SEIAA for appraisal and necessary recommendations.

It was reported by the PP and their consultant that construction activity at site has already been initiated. Thus it is a case violation. Committee decided to return the case to SEIAA with recommendation for credible action as per the provisions of the O.M. of MoEF & CC dated 12/12/2012. The cases can only be considered after receipt of evidence of credible action duly forwarded by SEIAA.

**19. Case No. – 2687/2015 Mr. Vipin Chouhan, Partner, E-2/21, Habibganj Railway Station, Arera Colony, Bhopal-462016 (M.P.).** *Prior Environment Clearance for proposed Residential Project "Ultimate Sky Villas" at Village-Bawadia Kalan, Tehsil-Huzur, District-Bhopal (M.P.) Total Land Area- 26980.00 Sq. mt. and 2.6980 Ha., Total Built up Area- 49899.46 Sq. mt.*

The case was deferred on request of PP, as PP was not able to attend the meeting.

**20. Case No. – 2688/2015 Mr. L.K. Batle, Executive Engineer, M.P. Housing & Infrastructure Development Board, Div.-5, Satellite Plaza, 1st Floor, Ayodhya Bypass, Bhopal-462041 (M.P.).** *Prior Environment Clearance for proposed Residential Project "Ayodhya Phase-V Part-II" of M. P. Housing & Infrastructure development Board, Bhoapl, at Khasra No. – 113/1, 113/1/2, 122, 125, 130, 129, 131, 133, 134, 348/136, 324/136, Village-Narela Shankari, Tehsil-Huzur, District-Bhopal (M.P.) Total Plot Area- 36.80 Acre, Total Built up Area- 68478.06 Sq. mt.*

This is a building construction project comprising of Residential complex. Proposed plot area is 80970 m<sup>2</sup> and total built-up area is 81238.36 m<sup>2</sup>. The project is proposed at Khasra No. – 163/1, 163/2, 163/3, 164/4, 165, 166, 167, 168, 169/1, 169/2, 172/2, Village-Bagli & Barrai Khasra No. - 326, Tehsil-Huzur, District-Bhopal (M.P.). By virtue of type and size, the project falls under category 8(a) ó B2 as per the schedule of the EIA notification hence requires prior EC from SEIAA before commencement of activity at site. Application along with the relevant documents was forwarded to SEAC by SEIAA for appraisal and necessary recommendations. The case was presented by the PP and their consultant. It was observed

that the project is part of already existing / operational project. The approval of plan from Town & Country Planning Department for complete project (i.e. existing as well as proposed) was granted in year 2003. Thus, from the above it appears that this is an expansion of an existing township project. A clarification on the issue is therefore required from the Commissioner Housing Board. Accordingly, the PP may be required to submit revised application mentioning the facts.

**21. Case No. – 2702/2015 Shri Alok Goenka (Prop.) Shri Sukhdev Pd. Shankar Goenka, Prop., M/s, Station Road, Katni, Distt. - Katni (M.P.)-483501.** *Prior Environment Clearance for approval of JamuwaniKalan Limestone, Bauxite & Clay Deposit Mine Lease Area-24.85 ha., Proposed Capacity: Lime Stone - 224193 TPA, Bauxite – 7953 TPA, Clay- 27356 TPA Total (Avg) Production - 1,41,253 TPA, at Khasra No. 728, 729, 737, 738, 739, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 817, 818, Village-JamuwaniKalan, Tehsil-Vijayraghavgarh, District-Katni (M.P.) .*

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

Proposed production is varying in the documents submitted and the form-1 hence the same has to be finalized as per the approved Mining Plan and presented in EIA and EMP reports. Since Form 1 is basic / authentic signed document submitted by PP for appraisal, it has to be revised addressing points / discrepancies pointed out by the committee during the meeting. The TOR shall be released after receipt of the revised form-1 with factual details.

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

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

Meeting ended with thanks to the Chair and the Members.

[R.B. Lal, Chairman]

[ A. A. Mishra, Secretary ]



**[R.B. Lal, Chairman]**

**[K.P. Nyati, Member]**

**[Dr. U.R. Singh, Member]**

**[Dr. Alok Mittal, Member]**

**[Dr. Manoj Pradhan,  
Member]**

**[Dr. M.P. Singh, Member]**

**[Dr. Mohini Saxena, Member]**

**[Manohar K. Joshi,  
Member]**

**[ A.A. Mishra, Secretary ]**