

The 341st meeting of the State Expert Appraisal Committee (SEAC) was held on 31th January, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Shri Prashant Srivastava, Member.
4. Dr. Jai Prakash Shukla, Member.

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

1. **Case No. 5311/16 M/s Savitri Minerals, House No. 241/1, Saket Nagar, Jabalpur - 482002 (MP) Prior Environment Clearance for Bauxite, Laterite & Fire Clay Mine in an area of 8.094 ha. (Expansion from 5,500 TPA to 1,00,000 TPA) at Khasra No. 402 P (New) 144/2 (Old) at Village-Tikariya , Tehsil - Mudwara, Dist. Katni (MP) Env. Consultant : M/s Cognizance Research India Private Limited, NoidaU.P**

This is case of Bauxite, Laterite & Fire Clay Mine for expansion in production capacity. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 402 P (New) 144/2 (Old) at Village-Tikariya, Tehsil - Mudwara, Dist. Katni (MP). The project requires prior EC before commencement of any activity at site.

SALIENT FEATURES OF THE PROJECT

Particulars	Details
Project Name	Tikariya Bauxite, Laterite & Fire clay Mine
LOCATION	
Village	Tikariya
Tehsil	Katni
District	Katni
State	Madhya pradesh
Mining Lease Area & Type of Land	8.094 Ha & Waste Land
Name of Mineral to be mined out	Bauxite, Laterite & Fire clay
Latitude	23°43'51.3" N to 23°44'0.6" N
Longitude	80°23'57.1" E to 80°24'11.3" E

Toposheet No.	64A/6		
Mineable Reserve	Type of Reserve	Bauxite (Tonnes)	Laterite (Tonnes)
	Proved Mineral Reserve	258368	69293
	Probable Mineral Reserve	90963	61784
	Total	349331	131077
Capacity	100,000 TPA of Bauxite, Laterite & Fire clay Mine & 70 TPD Screening and Scrubbing unit.		
Estimated Project Cost	90 Lakhs		
Highest and Lowest Elevation	Highest elevation – 486 m R.L. towards NW Lowest elevation – 470 m R.L. towards East		
Ultimate Depth of Mining	10 Meter bgl		
Nearest Habitation/Town	Town : Katni at 12 Km in South Direction		
Nearest Railway Station	Niwar Railway Station about 4.0 km in SW Direction.		
SOM Approval by IBM	Scheme of Mining Approved by IBM on 28/11/2015.		

LOCATION OF THE PROJECT

Village-Tikariya Tehsil-Katni

District-Katni

State-Madhya-Pradesh

Khasra No. –	Area	Ownership/ Occupancy
402 P (New), 144/2(Old)	8.094 Ha	Government Land

Break-Up of Land Utilization Pattern (Area in Ha)

Sl.No.	Particular	Existing	5 th Year end	Mine life end
1.	Total area excavated (broken)	3.0	3.17	6.90
2.	Area fully mined out (out of 1)	0.21	0.21	6.90
3.	Area fully reclaimed (Backfilled out of 2)	0	0.21	6.90
4.	Area rehabilitated out of 3 byafforestation	0	0.21	6.90
5.	Area reclaimed by water harvesting	NIL	Nil	Nil
6.	Area under Dump	1.5	1.605	Nil
7.	Area under active Dump	Nil	0.105	Nil

8.	Area under mineral stack	Nil	Nil	Nil
9.	Area under Road	0.10	0.10	Nil
10.	Area under Green belt	0.10	1.194	1.194
11.	Area under infrastructure	Nil	0.10	Nil
12	Protective Bund and Drain	Nil	0.25	Nil

The case was presented by the PP and their consultant in the 45th SEAC-II meeting dated 09/08/2016, wherein it was recorded that : Being it's a case of major mineral, it was decided to consider this case as B-1 and committee recommended issuing standard TOR prescribed by the MoEF&CC for conducting the EIA with following additional TOR's:

1. As per the Google image based on the co-ordinates provided by the PP, a house is located within the lease area. Thus PP was asked either to rehabilitate the house or propose safety measures for this in the EIA report.
2. Detailed analysis report of Bauxite, Laterite & Fire Clay should be discussed in the EIA report specifically heavy metals.
3. Inventory of operating / proposed mines within 2 Km around the said mine.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
6. Any alternate route avoiding the nearby habitations.
7. Environmental Policy duly approved by the authority should be attached with the EIA report.
8. Monitoring on atleast 07 Stations should be carried out for Ambient Air, Surface Water, Ground Water, Noise and Soil by selecting suitable locations in core zone and buffer zone. During monitoring, if any sensitivity is observed by the monitoring agency, additional monitoring stations should be added and same should be inferred in the EIA report.
9. Land use plan should be plotted on the map.

PP has submitted the EIA report vide letter dated 15/06/2018 which was forwarded by SEIAA vide letter no. 1018 dated 19/06/2018 and thus the case was placed in the agenda.

The case was presented by the PP and their consultant in 324th SEAC meeting dated 19/08/2018, wherein during initial discussion PP was informed that being the case of expansion MoEF&CC, compliance report of earlier EC conditions is not submitted which is essential for consideration of the project. PP submitted that vide letter dated 01.06.2018 they have requested ministry for the report but the said certified compliance report till date has not received by them hence, requested to the committee that in the light of MoEF&CC

circular dated. 07.09.2017, SEAC may write a letter in this regard to MoEF&CC, Bhopal for early submission of compliance report which was agreed by the committee.

PP vide their letter no. nil dated 29.11.2019 submitted certified EC compliance report carried out by MoEF&CC's Regional office Western Region, Bhopal vide letter no. 18B-13/2012 (ENV)/ 835, dtd. 26.10.2018.

The case was scheduled for the presentation in 337th SEAC meeting dated 01/01/2019 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings. The case was again rescheduled in today's meeting.

The case was presented by the PP and their consultant wherein deep concern raised by the committee regarding habitation located near the southern side of lease area and a house located within the lease area. PP submitted that considering the proximity with the habitations an area of 100 meters is already deducted in the plan declared as non-mining area. However, the house located within the lease belongs to PP and is the shelter for workers. After presentation, PP was asked to provide clarification as follows:

1. Safety measures proposed considering habitations near the lease and house within the lease.
2. Written commitment from PP that
 - a. Entire lease is waste land and no agricultural land is involved in the project.
 - b. Height of benches will be compatible with the height of machines deployed.
 - c. No external dumping will be carryout and simultaneous backfilling will be practiced from the first year onwards.
 - d. Environmental policy will be displayed to all stack holders.
3. Records of occupational health survey already conducted as it is an existing mine.
4. Revised design of settling tanks as suggested during presentation by the committee.
5. Revised EMP budget, including cost of PPEs as suggested and provision for inter water spraying arrangements through fixed pipeline.
6. Explanation regarding two different values of calm %.
7. Back-up data of analysis report shall be submitted.
8. Traffic management plan of existing and for proposed capacity.

Vide letter dtd. 31.01.2019 PP has submitted the reply of the above made queries. PP submitted that only controlled blasting will be done with all permission in dislodged boulder only. The dia of hole be equal to or less than 33 mm and depth 0.8 meter and charge per hole will be not more than 250 gm. rock breaker will be mainly deployed and blasting will be avoided. Moreover,

other quarries response which were also placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Bauxite, Laterite & Fire Clay Mine in an area of 8.094 ha. (Expansion from 5,500 TPA to 1,00,000 TPA) at Khasra No. 402 P (New) 144/2 (Old) at Village-Tikariya , Tehsil - Mudwara, Dist. Katni (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

9. During blasting the dia of hole be equal to or less than 33 mm and depth 0.8 meter and charge per hole will be not more than 250 gm.
10. No external dumping is allowed.
11. No explosive shall be stored at mine site.
12. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
13. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast

- growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 8094 nos of trees will be planted on approach roads and in lease boundary.
14. Transportation of material shall be done in covered vehicles.
 15. Transportation of minerals shall not be carried out through forest area.
 16. The OB as over burden shall be reutilized for backfilling. PP shall bound to compliance the final closure plan as approved by the IBM.
 17. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the Garland drain will be 1100m x 2m x 1.5m. The settling tank will be two in number of size 20 X 6.0 X 3.0 = 720 CUM shall be provided for proper sedimentation.
 18. No mine water shall be discharged outside of the lease and zero liquid discharge shall be maintained.
 19. Transportation road shall be made pucca.
 20. For dust suppression over head Sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 21. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
 22. The existing and proposed land use plan of the mine is as follows:
 23. Land use of mine lease area for pre-operational, operational and post operational phase of the mine is as follows :

Sl. No.	Particular	Existing (ha)	5 th Year End (ha)	Mine Life End (ha)
1	Total area excavated (broken)	3.0	4.30	(6.90)
2	Area fully mined out (out of 1)	0.21	2.0	(6.90)
3	Area fully reclaimed (Backfilled out of 2)	0	1.25	(6.90)
4	Area rehabilitated out of 3 by afforestation	0	0.5	6.90
5	Area under mineral stack	0.3	0.3	
6	Area under Road	0.10	0.10	-

7	Area under Green belt	0.10	0.50	1.194
8	Area under infrastructure	-	0.10	-
9	Undisturbed	4.384	2.794	-
	Total	8.094	8.094	8.094

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

(C) ENTIRE LIFE OF THE PROJECT

30. The EMP cost is Rs. 16.50 lakh and Rs. 10.0 lakh /year are as capital and recurring expenses respectively. Out of which Rs. 3.5 lakh is proposed for plantation.
31. Under CSR activity, Rs. 6.0 lakh /year proposed in nearby village Tikariya, Tokhla & Bharoli respectively in different activities and should be implemented through respective committees.
32. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
33. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
34. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

35. PP will comply with all the commitments made vide letter dated 31.01.2019.
36. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. Case No. 1407/13 M/s. K.C.Bagaria Sons, Prop. Sh. Madhusudan Bagaria, Station Road, P.O. & Distt. Katni (M.P.) PIN – 483501. Prior Environmental Clearance for approval of Amehta Limestone & Dolomite Mine (7.52 Ha.) production capacity- 2,00,000 MTPA(Expansion) at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P). EIA Consultant: Grass Roots Research and Creation India Pvt. Ltd.

This is case of for Amehta Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P) 7.52 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled in the 36th SEAC-II meeting dated 04/07/2016 wherein it was recorded that the TOR was approved in the 130th SEAC meeting dated 07/05/2013 and the same was issued to the PP vide letter no. 544 dated 29/06/2013. The validity of TOR expired on 28/06/2015. SEIAA vide their letter no. 11767 dated 11/03/2016 has sent the file for extending the validity of TOR extent. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 28/06/16. PP vide letter dated 15/06/2016 has again requested for extension in validity of TOR for one more year as twice their public hearing has been cancelled referring letter dated 25/08/2015 wherein PP has requested for TOR validity extension for two years. PP further submitted that against their request of two year extension TOR validity was extended only for one year. Committee after deliberations recommends that the TOR validity may be extended for one year with validity up to 27/06/2017.

PP has submitted the EIA report vide letter dated 22.06.2017, which was forwarded by the SEIAA vide letter no. 884 dated 24.06.2017, in this meeting EIA was presented by the PP and their consultant. Following observation made –

The Mining Lease has been granted in favour of M/s K.C. Bagaria Sons by the State Government of M.P. for a period of 20 years w.e.f. 27.03.1995 to 26.03.2015 over an area of

7.52 Ha. The mine lease has been extended for 50 years as per MM (D&R) Amendment Act 2015 from date of grant of mine lease up to 26.03.2045. The Mining Plan along with progressive mine closure plan under rule 24(A), MCR, 1960 was approved by IBM Vide Letter No. - MP/Katni/Limestone/MPLN/R-29/2014-15 dated 25.06.2015. The ToR was granted vide letter No. 544/PS-MS/MPPCB/SEAC/TOR(130)/2013 dated 29-06-2013. The cost of proposed project is about Rs. 1.5 Crore. Environmental Study: October to December 2014. Public Hearing for the project was completed on 15.07.2016 .

Salient Feature of the Project

Total Mining Lease area	7.52 ha
Geographical Co-ordinates	Latitude : 24° 00'45.2" to 24° 00'54.9" North Longitude : 80°32'21" to 80°32'32.2" East
Probable Mineral Reserve (122) Pre-Feasibility Mineral Resource (222)	18,82,191 tons 3,02,788 tons
Production Capacity	2,00,000 TPA
Mining Method	Opencast other than fully mechanized method of mining.
Life of mine	12 Years
Use of Mineral	The Limestone will be used in the steel, cement plants and lime kiln while dolomite is mainly used for calcinations in kilns for making dolo lime.
Required Man Power	50

The reclamation plan, post mine land use and progressive greenbelt development plan

S.No.	Particular	Existing	After Five Year	Lease Period
1	Total area excavated (broken)	3.44	4.80	(6.62)
2	Area fully mined out (out of 1)	Nil	-	(6.62)
3	Area fully reclaimed (Backfilled out of 2)	Nil	-	(1.62)
4	Area rehabilitated out of 3 by afforestation	NA	-	1.62
5	Area reclaimed by water	Nil	-	5.0

	harvesting			
6	Total area under dumps	1.21	1.70	Nil
7	Area under active dumps	1.21	-	Nil
8	Area under mineral stack	Nil	-	Nil
9	Area under Road	0.30	0.10	Nil
10	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	0.07	0.50	0.90
11	Area under infrastructure	0.02	0.02	Nil
12	Undisturbed area	2.48	-	Nil
	Total	7.52		7.52

Site elevation, working depth, groundwater table should be provided both in AMSL and BGL.

Site Elevation	383m–381m RL
Working Depth	28m BGL or 355m RL
Water Table	40-50 m BGL or 330-340 m RL

During Mine operation

Total Capacity of mine : 2,00,000 TPA
 No. of working days : 275 days
 Total Capacity of mine/day : 727.2 TPD
 Truck Capacity : 16 tonnes approx.
 No of Trucks deployed per day : $727.2/16 = 46$ trucks
 No of Trucks deployed /day to and fro : $46*2 = 92$
 Frequency of dumpers deployed/hr and fro : 6(approx.) one way or 12 dumpers to

Impact of Traffic movement:

It has been estimated that there will be a total of 12 trips by 16 T dumpers per hour for transport of mineral to the destination. Other than this, no other additional vehicles are envisaged at site on a regular basis. The present road leading to the mines of length 600m will have to be strengthened and maintained for the movement of trucks and melted at own cost by the lessee along with other mine owners.

Evacuation Route:

- 0.60km Haul roads outside ML area will be sprinkled with water to keep the dust suppressed.
- It is ensured that the covered vehicle will be used during mining operation for transport of minerals.
- Proper route management of the traffic will be done for smooth traffic movement.
- On the both side of approach road plantation will be done.
- Only PUC certified vehicle will be use.
- In 0.3 km internal road , fixed type dust sprinkler will be provided.

Total Water requirement for Dust Suppression on 0.6km approach road\out side ML area by Water tanker fitted with sprinkler –

Total length of the road is 600 meter and width = 6m

Total area of the road is 600m x 6m = 3600 sqm

Total water required for the 600m Road

= 3600sqm x 1.2 ltr/sqm

Total water required= 3600 sqm x 1.2 ltr/sqm = 4.32 KLD.

Total Water requirement for Dust Suppression in 0.3 km haul road within the ML area by fixed type sprinkler -

Total length of the road is 300 meter and width = 6m

Total area of the road is 300m x 6m = 1800 sqm

Total water required for the 0.30 km Road

$$= 1800\text{sqm} \times 1.2 \text{ ltr/sqm}$$

(on the assumption of 0.4 liter /sqm in one round and total spraying thrice a day)

$$\text{Hence Total water required} = 1800 \text{ sqm} \times 1.2 \text{ ltr/sqm} = 2.16 \text{ KLD}$$

Total water required for the 0.30 km Road

$$= 1800\text{sqm} \times 1.2 \text{ ltr/sqm}$$

(on the assumption of 0.4 liter /sqm in one round and total spraying thrice a day)

$$\text{Total water required} = 1800 \text{ sqm} \times 1.2 \text{ ltr/sqm} = 2.16 \text{ KLD}$$

Surface Water Management:

There is no source of surface water such as river or nalla in the lease area. There is an only seasonal water course, Tons river besides non-perennial seasonal nallas is in the buffer zone. Garland drain has been made towards northern & southern side of the ML area to prevent erosion, sedimentation, and siltation. Since there is no river or any perennial water course in the applied area, diversion will not be required. There is no toxic element in and around the applied area or in OB or ore. Hence contamination of expected for surface or any ground water source.

Design of Rain Water Harvesting system at peak rainfall value during monsoon period

Peak Rainfall in Past 10 years in monsoon period was 1800 mm

Peak rainfall on any day = 200 mm

Hence, Runoff potential on any day = $75200 \text{ m}^2 \times 0.2\text{m} \times 0.2$ (runoff Coeff) = **3008 m³**

RWH Potential Calculations				
Particulars	Area (Sq. m.)	Runoff coefficient	Rainfall (m)	Run Off Potential (m ³ in monsoon period)
lease Area	75200	0.2	1.80	27072

Total Capacity of Garland Drain = Area of garland Drain (m²) x Depth (m)

$$= 1600 \text{ sqm} \times 1.5\text{m} = \mathbf{2400 \text{ cum}}$$

Sump, capacity = 60m x 40m x 4m = **9600 m³**

Considering 60 rainy days

Quantum of water need to be stored due to peak rainfall on any day = $27072/60 = 452 \text{ m}^3$

The sump will be used for storage of water and reuse in the mine area for dust suppression on road and watering of plants.

Hence Total Storage of Drain and sump on any day due to peak rain fall =

$2400\text{m}^3 + 9600 \text{ m}^3 = 12000 \text{ m}^3$ which is much more than the rain fall on any peak rainfall day i.e. 3008 m^3 .

The case was presented by the PP and their consultant in 297th SEAC meeting dated 08/11/2017. During presentation it was suggested by the committee that mine should be properly fenced and recovered top soil shall be simultaneously used for the plantation. It was instructed to the PP that regular monitoring of noise and vibration should be carried out by the PP. After presentation PP was asked to submit following information and also needs to present the case again for EC as PP so far has not submitted the EC compliance report. For EC compliance report, PP submitted that they have requested long back but till dated compliance report is not issued by the MoEF&CC. PP as per recent circular of MoEF&CC issued vice letter no. J-11013/6/2010-1A II (Part) dated 07/09/2017 requested to write a letter to regional office of MoEF&CC for submission of EC compliance report within 30 days:

- Revised details of mining equipments.
- Inventory of existing plantation within the lease area.
- Management plan of top soil and details of its stacking.
- Commitment of PP that mine should be properly fenced, recovered top soil shall be simultaneously used for the plantation and regular monitoring of noise and vibration should be carried out.
- Actual details of Reserve/Protected forest from the ML area as there are variations in the distance mentioned in EIA report on page no. 1/6,1/9 and 3/42.
- Revised EMP considering the cost of road demand made in public hearing.
- Revised top soil management plan.
- Details of minable reserves compatible to the mine life.
- Revised CSR as suggested by the committee.
- PP commitment regarding occupational health survey should be conducted every six months as per norms and over head sprinklers shall be provided for dust suppression.

PP vide their letter dated 11.07.2018 submitted query reply and vide letter dtd. 14.01.2019 submitted certified EC compliance report carried out by MoEF&CC's Regional office Western Region, Bhopal vide letter no. 18 B-9/2018/SEIAA/(ENV) 032 dated 11.01.2019.

In this meeting, PP and their consultant presented the query presentation For EIA before the committee, during presentation committee after went through the EC compliance report it was observed that point no. 8, 11 and 19 are non- compiled by the PP. After presentation PP was asked to submit following information:

1. Vibration study due to blast.
2. Plan for R.W.H.
3. Public hearing publication details
4. Proposed deployment of machinery
5. Revised EMP budget and details as suggested during meeting.

Vide letter dtd. 31.01.2019 PP has submitted the reply of the above queries and case was scheduled in agenda for query reply.

During presentation, PP stated that plan for RWH has been submitted to Additional PCCF, Regional office, MoEF&CC, Western Region, Bhopal on dated 31.01.2019. Further PP submitted that no ground water study was carried out in the past due to no deep hole drilling and blasting proposed. The production capacity was less and blasting of hole depth 1-1.5 meter of dia equal to less than 33 mm was only carried out with optimum charges. Controlled and muffled blasting was practiced. Mostly rock breaker was used due to less quantum of production. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for approval of Amehta Limestone & Dolomite Mine (7.52 Ha.) production capacity-2,00,000 MTPA(Expansion) at Khasra no.-183, 230/1, Vill.- Amehta, Th.- Vijayraghgarh, District- Katni, (M .P). EIA Consultant: Grass Roots Research and Creation India Pvt. Ltd., subject to the following special conditions:

(A) PRE-MINING PHASE

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

6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. No overcharging during blasting to avoid vibration.
10. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
11. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
12. No explosive will be stored at the mine site.
13. No intermediate stacking is permitted at the mine site.
14. No dump shall be stacked outside the lease area.
15. Overhead sprinklers shall be provided in mine.
16. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
17. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature.
18. As proposed in the landscape plan & EMP a minimum total 2500 nos. of trees will be planted, on backfilled area and along the transportation route.
19. Transportation of material shall be done in covered vehicles.
20. Transportation of minerals shall not be carried out through forest area.
21. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
22. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 1200 M X 2M X 1.5M. The settling tank will be four in number of size 20x 5m x 3.0m.
23. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. The existing and proposed land use plan of the mine is as follows:

Sl.No.	Particular	Existing	After Five Year	Lease Period
1.	Total area excavated (broken)	3.44	4.80	(6.62)
2.	Area fully mined out (out of 1)	Nil	-	(6.62)
3.	Area fully reclaimed (Backfilled out of 2)	Nil	-	1.62
4.	Area rehabilitated out of 3 by afforestation	Nil	-	1.62
5.	Area reclaimed by water harvesting	Nil	-	5.0
6.	Total area under dumps	1.21		Nil
7.	Area under active dumps	1.21	-	Nil
8.	Area under mineral stack	Nil	-	Nil
9.	Area under Road	0.3		Nil
10.	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	0.07	-	0.9
11.	Area under infrastructure	0.02		Nil
12.	Undisturbed area	2.48	-	Nil
13.	Total	7.52		7.52

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

(C) ENTIRE LIFE OF THE PROJECT

31. In the proposed EMP, capital cost is Rs. 19.00 Lakh is proposed and Rs. 8.0 Lakh /year as recurring expenses.
32. Under CSR activity, Rs. 5.00 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
33. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP

budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

34. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
 35. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 36. PP will comply with all the commitments made vide letter dated 31.01.2019.
 37. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
- 3. Case No. - 5817/2019 Shri Umesh Kumar Khemka, P.O. Jaitwara, Dist. Satna, MP – 485221 Prior Environment Clearance for Laterite, Ochre and White Clay Mine in an area of 38.518 Ha. (1,59,600 ton per annum) at Khasra No. 565, 566/1, 566/2k, 566/2Kh, 567/1 567/2, 568, 569, 570/1K/1, 570/1K/2, 570/1K/3, 570/1K/4, 570/1K/5, 570/1K/6, 570/1K/7, 570/1K/8, 570/1Kh, 570/2, 571, 575, 576, 577/1, 577/2, 757/858, 580/1K, 580/1Kh, 580/2 (MP). at Village- Nimha, Tehsil - Kotar, Dist. Satna (MP)**

This is case for Laterite, Ochre and White Clay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The Project in an area of 38.518 Ha. for production capacity 159600 ton per annum at Khasra No. 565, 566/1, 566/2k, 566/2Kh, 567/1 567/2, 568, 569, 570/1K/1, 570/1K/2, 570/1K/3, 570/1K/4, 570/1K/5, 570/1K/6, 570/1K/7, 570/1K/8, 570/1Kh, 570/2, 571, 575, 576, 577/1, 577/2, 757/858, 580/1K, 580/1Kh, 580/2 (MP). The project requires prior EC before commencement of any activity at site.

In this meeting the PP and their consultant present salient features of the project:

EXECUTIVE SUMMARY

1	Name of the project & its location	Laterite, Ochre and White Clay Mine 38.518 ha. 1,59,600 TPA)at khasra No. 565, 566/1, 566/2k, 566/2kh, 567/1, 567/2, 568, 569, 570/1K/1, 570/1K/2, 570/1K/3, 570/1K/4, 570/1K/5, 570/1K/6, 570/1K/7, 570/1K/8, 570/1Kh, 570/2, 571, 575, 576, 577/1, 577/2, 757/858, 580/1K, 580/1Kh, 580/2 at village Nimha, Tehsil- Kotar, District-Satna, State M.P by Sh. Umesh Kumar Khemkha
2	Name of the Company, Address Tele No. & E-mail :	Sh. Umesh Kumar Khemkha P.O Jaitwara, District Satna, Pin Code-485221 Email: umeshkhemka@yahoo.com
3	Latitude and Longitude of the project	Latitude 24°45'18.2"to 24°45'53.4" North

		Longitude	81°02'59.5"to 81°03'26.7"East
4	If a Joint venture, the names & addresses of the JV partners including their share	Not Applicable	
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	Nature of proposal	New
		Total area-land use	38.518 ha.
		ML Area Elevation	Highest Elevation- 400 m RL towards top of the mound in South Lowest elevation- 377 m RL towards west
		Connectivity	<ul style="list-style-type: none"> • The lease area is 37 kms from Distt. Headquarter Satna (M.P.) via Satna Semaria PWD Road. • It is 32 kms from Satna on Satna Semaria road up to Bihara. From Bihara to applied area is 5 kms towards north. The applied area can also be approached via Tikuri. • The nearest railway station is Satna at a distance of about 28 km in SW. • The lease area can be approached by own conveyance too.
6	Whether the project is in the Critically Polluted Area (CPA):	No	
7	Cost of the project :	Rs 1.5 Crores	
8	Employment generated/to be generated	36 person	
9	Benefits of the project	The area surrounding the mining site is economically backward. The project will give direct employment to 36 persons and indirect employment to approx 50 persons. Local people will be preferred for providing job opportunity. Out of area (38.518 ha), 35.0 ha area will be backfilled and remaining area will be used under green belt (3.518 ha) at final closure. About 3518 number of sapling will be done over green belt area (3.518 ha), while 35000 sapling on excavated area (35.0 ha) for reclamation. Besides 1000 sapling will be planted along the transportation route.	
10	Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion	It is new mining lease area.	
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006	Not applicable, It is new mining lease area.	
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Not applicable	
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	Not applicable	
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	Not applicable	

15	If the project was considered in SEAC, Pl. gives dates of the meeting (s)	Not applicable
16	Type of Mine: (Open cast/Underground/mixed)	Open Cast
17	Capacity of the mine applied for	1,59,600 TPA
18	ML Area i. As per block allotment ii. As per approved mine plan	38.518 Ha 38.518 Ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan was approved from DGM Bhopal vide letter No. 15222-23/MP/G-8/24-2017 dated 26/09/2018.
20	Date of Board's approval	Not applicable.
21	Date of Ground water clearance	Not applicable.
22	Date of mine closure approval	Not applicable.
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	EMP Cost: Capital Cost: 10 Lakhs Recurring Cost: 6.5 Lakhs CSR Cost: 3 Lakhs
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Total No of Sapling - 38518 The species of various fire-wood and fruit trees viz Neem, Mango, Pipal, Khamer, Gulmohar, Karanj, Bamboo, Sejha, Satkatha, Bhelma, Tendu, Harra, Mahua, Amla, Achar, Haldu and Dalberia sissou etc. will be planted every year.
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	Asrawal Nala – 1.2 Km in N Gorsari Nadi -2.2 Km in SW Jokaha Nala- 2.2 Km in NW Mau Nala -5.2 Km in NW Sitawal Nala-4.9 Km in NW Simrawal Nadi- 5.3 Km in S Khurwal Nala – 10.9 Km in NE Jhala Nala – 9.2 Km in NE Tons Nadi- 8.4 Km in S Tons Barrage-7.5 Km in SE

Committee after presentation decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per Annexure D:-

1. In the Google image, village roads are passing within the lease area hence address this issue meticulously in the EIA.
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
4. Permission from gram Sabha shall be required.
5. Some houses are seeing within the lease area hence, detailed R&R plan shall be required.
6. Transportation plan & traffic management plan should be discussed in the EIA report.
7. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.

8. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
9. Atleast 08 stations should be selected for monitoring with two stations on transportation route and results should be discussed in the EIA report.
10. Hydro- geological study should be carried out if ground water intersection is proposed.
11. Top soil management plan should be addressed in EIA report.
12. Input data of modeling should be addressed in EIA along with this all back up calculation.
13. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
14. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
15. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
16. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.

4. Case No. - 5818/2019 Smt. Nirmala Khemka, P.O. Jaitwara, Dist. Satna, MP – 485221
Prior Environment Clearance for Laterite, Ochre and White Clay Mine in an area of 44.093 Ha. (2,12,800 ton per annum) at Khasra No. 62/1Kh, 62/1/G, 62/2/1, 62/2/2, 63/1K/1A, 63/1K/1B, 63/1Kh/K/1, 63/1Kh/K/2, 63/2, 64/1k, 64/1Kh, 64/2, 65/1, 65/2K, 65/2Kh, 65/2G, 65/3, 66/1, 66/2, 66/3/K, 66/3Kh, 66/3G, 66/3Gh/1, 66/3Gh/2, 233/1K, 233/1Kh, 233/2, 234/1, 234/2, 234/3/1, 234/3/2, 234/4 at Village- Chitgarh, Tehsil - Kotar, Dist. Satna (MP)

This is case for Laterite, Ochre and White Clay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The Project in an area of 44.093 Ha. for production capacity 212800 ton per annum at Khasra No. 62/1Kh, 62/1/G, 62/2/1, 62/2/2, 63/1K/1A, 63/1K/1B, 63/1Kh/K/1, 63/1Kh/K/2, 63/2, 64/1k, 64/1Kh, 64/2, 65/1, 65/2K, 65/2Kh, 65/2G, 65/3, 66/1, 66/2, 66/3/K, 66/3Kh, 66/3G, 66/3Gh/1, 66/3Gh/2, 233/1K, 233/1Kh, 233/2, 234/1, 234/2, 234/3/1, 234/3/2, 234/4 at Village- Nimha, Tehsil - Kotar, Dist. Satna (MP). The project requires prior EC before commencement of any activity at site.

In this meeting the PP and their consultant present salient features of the project:

1	Name of the project & its location	Laterite, Ochre and White Clay Mine 44.0963 ha. 2,12,800 TPA) at khasra No. 62/1Kh, 62/1/G, 62/2/1, 62/2/2, 63/1K/1A, 63/1K/1B, 63/1Kh/K/1, 63/1Kh/K/2, 63/2, 64/1k, 64/1Kh, 64/2, 65/1, 65/2K, 65/2Kh, 65/2G, 65/3, 66/1, 66/2, 66/3/K, 66/3Kh, 66/3G, 66/3Gh/1, 66/3Gh/2,
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		233/1K, 233/1Kh, 233/2, 234/1, 234/2, 234/3/1, 234/3/2, 234/4 at village Chitgarh, Tehsil- Kotar, District-Satna, State M.P by Smt. Nirmala Khemkha	
2	Name of the Company, Address Tele No. & E-mail :	Smt. Nirmala Khemkha P.O Jaitwara, District Satna, Pin Code-485221 Email: umeshkhemka@yahoo.com	
3	Latitude and Longitude of the project	Latitude	24°45'17.5" to 24°45'48.2" North
		Longitude	81°04'04.5" to 81°04'34.4" East
4	If a Joint venture, the names & addresses of the JV partners including their share	Not Applicable	
5	Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc.	Nature of proposal	New
		Total area-land use	44.093 ha.
		ML Area Elevation	Highest Elevation- 405 m RL towards top of the mound in South Lowest elevation- 373 m RL towards west
		Connectivity	<ul style="list-style-type: none"> • The lease area is 38 kms from Distt. Headquarter Satna (M.P.) via Satna Semaria PWD Road. • It is 32 kms from Satna on Satna Semaria road up to Bihara. From Bihara to applied area is 6 kms towards north. The applied area can also be approached via Tikuri. • The nearest railway station is Satna at a distance of about 29 km in SW. • The lease area can be approached by own conveyance too.
6	Whether the project is in the Critically Polluted Area (CPA):	No	
7	Cost of the project :	Rs 1.5 Crores	
8	Employment generated/to be generated	49 person	
9	Benefits of the project	The area surrounding the mining site is economically backward. The project will give direct employment to 49 persons and indirect employment to approx 75 persons. Local people will be preferred for providing job opportunity. Out of area (44.093 ha), 40.0 ha area will be backfilled and remaining area will be used under green belt (4.093 ha) at final closure. About 4093 number of sapling will be done over green belt area (4.093 ha), while 40000 sapling on excavated area (40.0 ha) for reclamation. Besides 1000 sapling will be planted along the transportation route, barrier zone and backfilled area.	
10	Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion	It is new mining lease area.	
11	If for expansion, whether the application is under 7(ii) of the EIA Notification,	Not applicable, It is new mining lease area.	

	2006	
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Not applicable
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	Not applicable
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	Not applicable
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	Not applicable
16	Type of Mine: (Open cast/Underground/mixed)	Open Cast
17	Capacity of the mine applied for	2,12,800 TPA
18	ML Area iii. As per block allotment iv. As per approved mine plan	44.093 Ha 44.093 Ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan was approved from DGM Bhopal vide letter No. 15225-26/MP/G-8/25-2017 dated 26/09/2018.
20	Date of Board's approval	Not applicable.
21	Date of Ground water clearance	Not applicable.
22	Date of mine closure approval	Not applicable.
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	EMP Cost: Capital Cost: 12 Lakhs Recurring Cost: 8.0 Lakhs CSR Cost: 3 Lakhs
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	Total No of Sapling - 44093 The species of various fire-wood and fruit trees viz Neem, Mango, Pipal, Khamer, Gulmohar, Karanj, Bamboo, Sejha, Satkatha, Bhelma, Tendu, Harra, Mahua, Amla, Achar, Haldu and Dalberia sissoo etc. will be planted every year.
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	Asrawal Nala – 1.2 Km in N, Gorsari Nadi -3.5 Km in SW , Jokaha Nala- 3.8 Km in NW, Mau Nala -7.8 Km in NW, Sitawal Nala-6.8 Km in NW, Simrawal- 5.0 Km in S, Khurwal Nala – 8.1 Km in ENE, Jhala Nala – 7.2 Km in NE, Tons Nadi- 8.0 Km in S, Tons Barrage-6.1 Km in SE, Jarmora Nala – 13.6 Km in ENE, Jhinar Nala – 13.7Km in SE

Committee after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's and as per Annexure D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
 2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
 3. Permission from gram Sabha shall be required.
 4. Some houses are seeing within the lease area hence, detailed R&R plan shall be required.
 5. Transportation plan & traffic management plan should be discussed in the EIA report.
 6. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
 7. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
 8. Atleast 08 stations should be selected for monitoring with two stations on transportation route and results should be discussed in the EIA report.
 9. Hydro geological study should be carried out if ground water intersection is proposed.
 10. Top soil management plan should be addressed in EIA report.
 11. Input data of modeling should be addressed in EIA along with this all back up calculation.
 12. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
 13. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
 14. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
 15. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
5. **Case No. - 5655/2018 Shri Puran Mal Aanjana, S/o Shri Ram Lal Aanjana, R/o Aanjana Complex, Tagore Marg, Tehsil & District - Neemuch, MP Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha. (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP).**

Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP)

PP has submitted EIA report which was forwarded by the SEIAA vide letter no. 1811 dated 28/02/2018.

This case was again scheduled for EIA Presentation in the 312th SEAC meeting dated 17/04/2018 wherein it was recorded: Neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any

commitment which may be desired by the committee during the deliberation. PP was also absent in the 310th SEAC meeting dated 24/03/2018. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

This case was scheduled 315th SEAC meeting dated 18/06/2018, as PP vide letter no.-PMA/17-18/25 dated 04/05/2018 has requested for extension in validity of TOR for one year as a delay has been caused in the process of obtaining NOC from Tehsildar as a result of which the validity of TOR has expired. The committee observed that the TOR was issued by MoEF & CC on dated 23/01/2015 its validity was up to 22/01/2018 and as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014 it can be further extended for one year by regulatory authority. The case was presented by the PP and their consultant wherein PP informed that there is no change in the location and capacity of the project and thus their TOR may be extended for one year. The Committee recommends that since PP has applied for the TOR validity extension on dated 04/05/2018, the TOR's validity can be further extended for one more year with validity up to 21/01/2019 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014.

This case was scheduled in 331st SEAC meeting dated 25/10/2018, wherein PP and their consultant were present. During discussion and perusals of the documents it was observed by the committee that the It's a case of Violation.

After deliberation, Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as a independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC for conducting the EIA as follows:-

1. Project description, its importance and the benefits.
2. Project site detail (location, toposheet of the study area of 10 Km, coordinates,

Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage.

3. Land use as per the approved Master Plan of the area, permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board etc.
4. Land acquisition status, R & R details.
5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 Km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6. Baseline environmental study for ambient air (PM10, PM2.5, SO₂, NO_x & CO), water (both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/CPCB guidelines at minimum 5 locations in the study area of 10 Km.
7. Details on flora and fauna and socio-economic aspects in the study area
8. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.)
9. Source of water for different identified purpose with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.
10. Waste water management (treatment, reuse and disposal) for the project and also the study area
11. Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
12. Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
13. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environmental (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
14. Preparation of EMP comprising remediation plan and natural community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
15. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.

PP vide letter dated submitted the EIA report with remediation plan and natural

community resource augmentation plan 24/12/2018.

The EIA was presented by the PP and their consultant, during presentation PP has presented the following details of this mine:

- The mining lease for mineral Laterite was granted in favour of Shri Purnamal Aanjana for a period of 20 years from 28.09.1998. Further vide letter no.1637/Khanij/2017 dated 21.11.2017 issued by the Collector Neemuch District Madhya Pradesh, the period of mining lease has been extended to 50 years w. e. f. 28.09.1998 to 27.09.2048 .
- Since, the area of mining lease is 10.0 ha only, it falls under 'B1' category and Environmental Clearance (EC) was supposed to be issued by the SEIAA, Madhya Pradesh, Bhopal. But the lease area being situated at a distance of 2.00 km from the interstate boundary of Rajasthan and Madhya Pradesh, the then applicable general condition was attracted. Therefore, the EC was to be issued by the MoEF, GOI, New Delhi.
- The PP applied for prior EC to the MOEF, New Delhi on 10.09.2012. Presentation for determination of ToR was made on 17.01.2013. At the time of presentation for ToR, it was pointed out by the EAC that it was a violation case and so legal action must be initiated against the PP before issuing the ToR.
- Subsequently, credible action was taken by the Madhya Pradesh Pollution Control Board, Madhya Pradesh on 17.09.2013. Thereafter, the Terms of Reference (ToR) were issued by the MoEF&CC vide letter No. J-11015/340/2012-IA.II (M) dated 23.01.2015 for the above said production.
- Under the provisions of MoEF&CC notification number S.O.141(E), dated 15.01.2016, the general conditions are no more applicable to the projects of minor minerals having a lease area up to 25.0 ha. Thus, now the EC is supposed to be granted by the SEIAA. Therefore, a request was made to the MoEF&CC, New Delhi, to transfer the case file to SEIAA Bhopal for appraisal at their end.
- The MoEF&CC transfer the case to SEIAA vide letter No. J-11015/340/2012-1A-II(M) dated 02.09.2016 .
- As directed by the SEIAA, Madhya Pradesh Bhopal, vide its letter No. 4731 dated 13.12.2016, necessary application is being made online for grant of prior EC
- The lessee is interested in producing 50,000 TPA of Laterite at the project. Therefore, necessary Environmental Clearance is required for the said production.
- The mining plan including Progressive Mine Closure Plan for a targeted production of 50,000 TPA of Laterite has been approved by the Regional Controller, Indian Bureau of Mines, Nagpur Regional Office, vide letter No.

MND/LAT/MPLN-583/NGP, dated 07.06.2013.

As discussed earlier that the TOR to this project was issued by the MoEF & CC, vide its letter No. J-11015/340/2012-I A.II (M), dated- 23.01.2015 and in the TOR it is mentioned that it is a case of violation of EIA Notification, 2006 as PP has already started mining activities by breaking 5.6760 ha area and obtained production without obtaining the prior environmental clearance. Maximum production (75,412 T) was obtained in the year 2011. It being the case of violation, following were also discussed by the committee:

1. Assessment of Ecological damage by this project and its Remediation Plan.
2. Natural and community resource augmentation plan.

During discussion, it was submitted by PP that 2,93,983.98 MT of laterite was mined out without EC since 1998 to 2012 which constitutes violation as per MO letter No. 1653 dated 22/11/2017. PP submitted that for this violation, a case has been filed by the MP Pollution control Board under E (P) Act, 1986 and same is under consideration in court of law. PP further submitted that since it has been brought in to the knowledge that mining without EC is a violation they have completely stopped the production and applied for the same and the mistake done by them will not be repeated in future. As per the plan submitted by PP, Rs.14.25 Lakhs was proposed for the remediation and resource augmentation plan. However, after details discussion certain amendments were suggested by the committee in remediation plan and natural community resource augmentation plan and PP was asked to revise and submit the same.

PP vide letter dated 31/01/2019 submitted the revised remediation and resource augmentation plan with cost is as follows:

S. No.	Environmental Attributes	Cost that would have been incurred, had the Environmental Clearance been obtained	Cost (in Rs.) already incurred by the PP even in the absence of EC	The additional amount (in Rs.) which the PP would have been required to spend as remedial measures.
1	Land use	Land degradation is inevitable. 3.0256 Hectare of land was degraded	No additional damage was caused in absence of EC	Nil
2	Fertile Top Soil	Under EC condition the topsoil would have been used for plantation work	On the basis of 10 cross section soil samples, we found only 40% top soil were fertile inside lease area, and being	Nil

			used for plantation purpose; 1.21024 Ha.(total broken up area 3.0256 Ha.) @7 cm 847 cu. m. which were used for the plantation purpose.	
3	Air	Cost on Dust Suppression and Installation of overhead sprinkling system -1,00,000 & and recurring cost 50,000 per year) - Rs.4,50,000/-	Actual Cost incurred on Dust suppression- Rs.2,00,000/-	Rs.3,75,000/-
4	Health and Safety of Mine Workers	a) Medical Checkup- Rs.1,75,000/- (Rs. 25,000 per year for 15 workers) b) Expenditure on Monitoring- Rs.1,75,000/- (Rs. 25,000 per year)	a) Medical Checkup Nil b) Expenditure on Monitoring – Nil	a) Rs.1,75,000/- b) Rs.1,75,000/-
5	Plantation	As per EC Condition priority would have been given to undertake plantation over the boundary barriers & outside the lease area Cost that would have been incurred – 1000 X 250 = Rs.2,50,000/-	Actually, in the absence of EC the broken up land was 3.0256 Ha. and PP was imposed to do plantation over an area 0.99 Ha. say 1.00 Ha. (one third of the area). PP was planted only 22 samplings (at present) @ 250 = 5,500/-	Rs.6,00,000/-
6	Water	Expenditure likely to be incurred on construction & strengthen of Garland drains, catch drains and Siltation pond & Proper channelization of natural first order nallahs would have conserved more rain water- Rs.2,25,000/- (Capital cost Rs. 50,000/- & Rs. 25,000/- recurring	Cost actually incurred on construction of Garland drains, catch drains and Filtration pond & proper channelization of rain water but, some rainwater was lost. -Rs.50,000/-	Extra capital cost incurred for the purpose of harvest rain water, strengthen & maintenance of catch drain, garland drain & siltation pond will be of Rs.1,50,000/-

		cost)		
7	Noise	Cost likely to be incurred on the maintenance of the machinery and providing Personal Protective Equipments – Rs.1,20,000/-	Cost actually incurred on the maintenance of the machinery and provided personal protective equipments - Rs.1,20,000/-	Nil
8	Road Strengthen	Strengthen of existing Kaccha road which was being use for transportation of mineral - Rs. 1,00,000/-	No expenditure was incurred in the strengthen of existing of Kaccha Road	Rs. 2,00,000/-
Grand Total				Rs. 16,75,000/-

Additionally, PP has proposed Rs.65,000/- for CSR and Rs. 75,000/- for labour welfare in EMP. After detailed discussion and presentation PP was asked to submit:

1. Revised remediation and resource augmentation plan as suggested by the committee during presentation.
2. Revised EMP as suggested by the committee during presentation.
3. An under taking stating that:
 - a) That the mine is not in operation closed since year 2011.
 - b) That during the period 2005 to 2011, mining operations was carried out without obtaining Environmental Clearance.
 - c) That in the course of mining during the period 2005 to 2011 no trees was felled by the Project Proponent.
 - d) That the top soil removed in the course of mining during 2005 to 2011 was used for plantation purpose.
 - e) That there were no external dumps in the area. A copy of the approved surface plan and photographs of the sites shall be provided.
 - f) That in the course of mining, the project proponent properly channelized the rain water by forming garland drains & catch pits etc.
 - g) That a medical camp was organized at the nearest village for assessing the

status of health of the mine employees and local resident of mining project. Copy of medical checkup report shall be provided.

- h) That no accidents, either minor or major, took place in the course of mining during the period of 2005 to 2011.
- i) That 1 Km stretch of road connecting the mine to the main road is mostly used by the PP for transpiration of mineral. In future, the said road will be properly maintained and both side plantations will also be carried out by the PP.

PP has submitted the reply vide letter dated 31/01/2019 which was placed before the committee. Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) of Rs.16,75,000/- (equivalent to amount proposed in remediation and resource augmentation plan) with validity up to 03 years to the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Laterite Mine in an area of 10.0 Ha. (50,000 MTPA) at Khasra no.-12/1, Village- Soniyana, Tehsil - Neemuch, Dist. Neemuch (MP) subject to the following special conditions and after the submission of bank guarantee of Rs. 16,75,000/- to MP Pollution control Board:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

8. PP shall use the rock breakers for the mining purposes and no drilling and blasting shall be deployed.
9. Retaining wall along with drain shall be provided all around the down side of the hillock with atleast 1 meters height.
10. PP shall carry out slope stability study once in year and report shall be submitted MP, SEIAA/ SEAC.
11. PP shall construct a pucca road for transportation of material.
12. Provision of solar pumps shall be made for various purposes during mining operation.
13. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3302 no's of trees will be planted along and within the ML.
15. Transportation of material shall be done in covered vehicles.
16. Transportation of minerals shall not be carried out through forest area.
17. The OB as Murrum shall be utilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
18. No water shall be discharged out side the mine and "Zero Liquid Discharge" should be maintained.
19. Details of proposed garland drain and siltation pond.

Details of Garland Drain, Catch Drain and Siltation Pond:	
<u>Garland Drain & Catch Drain</u>	<u>No. of Siltation Pond</u>
2 Garland Drains surrounding the lease area. 1. Garland Drain 361.55m. (Length) in the West Direction of the lease area. 2. Garland Drain 580m. (Length) in the NE & E Direction of the lease area.	4 Siltation Ponds. (Size of 1 Siltation pond is 6x5x3 m.)
1 Catch Drain surrounding the pit area. 459m. (Length)	

20. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 70 meters long and width 06 meters wide transport road for dust suppression.
21. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
22. The existing and proposed land use plan of the mine is as follows:

S. No.	Details	Area put on use at start of scheme (In Ha.)	Additional requirement during scheme period (In Ha.)	Total end of Scheme period (In Ha.)	End of life of the mine (In Ha.)
A	B	C	D	E	F
1	Area under mining	3.0256	2.6404	5.666	8.9725
2	Storage for top soil	0.0	0.0	0.0	0.0
3	Overburden/ waste dump	0.0	0.0	0.0	0.0
4	Mineral Storage	0.0	0.0	0.0	0.0
5	Infrastructure (Workshop, administrative building etc.)	0.0030	0.0	0.0030	0.0
6	Roads	0.2322	-0.0175	0.2147	0.0
7	Railways	0.0	0.0	0.0	0.0
8	Green Belt	0.0225	0.1000	1.0275	1.0275
9	Plantation outside the lease area*	0.0	2.2725*	2.2725*	2.2725*
10	Tailing Pond	0.0	0.0	0.0	0.0
11	Effluent Treatment Plant	0.0	0.0	0.0	0.0
12	Mineral Separation Plant	0.0	0.0	0.0	0.0
13	Township Area	0.0	0.0	0.0	0.0
14	Other to specify i.e. Kachha Rasta	0.0	0.0	0.0	0.0
15	Total land put in used	3.2833	2.7229	6.0062	0.0
16	Remaining area	6.7167	0.0	3.9938	0.0
Grand Total		10.00	0.0	10.00	10.00

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

(C) ENTIRE LIFE OF THE PROJECT

28. The proposed EMP cost is Rs. 4.55 lacks and Rs. 10.75 lacks /year are proposed as recurring expenses and under CSR, Rs. 65,000 /year is proposed.
 29. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 30. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
 31. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 32. PP will comply with all the commitments made vide letter dated 25.10.2018.
 33. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
- 6. Case No. - 2416/2015 Shri Sumit Singhania, 8, Shastri Nagar, Neemuch (M.P.)-458441- Proposed Sarwania Maharaj Laterite Mine Lease Area – 13.284 ha., (for expansion in Capacity from 1,837 TPA to 2,50,000 TPA) at Khasra No. – 39/1, Vill.-Sarwania Maharaj, Th.--Neemuch, Distt.-Neemuch (M.P.).**

Earlier this case was scheduled in 191st SEAC meeting dated 07/05/2015 wherein it was recorded that: This is a Mining Project comprising mining of Laterite in a lease area of

13.284 Ha. The mine is operational and now intends to enhance production from 1837 TPA to 250000 TPA. The project is mentioned as item 1(a) in the EIA Notification hence requires prior EC before commencement of the desired activity at site. Salient features of the project, PFR and the proposed TOR were presented by the PP before the committee. The Open-cast and Mechanized Mining is proposed in the project. After deliberations Committee agreed to issue **TOR** with inclusion of following points in the EIA / EMP in addition to standard:

- Appropriate Evacuation plan has to be prepared and presented with road map for transport of the material from the mining site up to the main trunk.
- Daily dispatches of the material to be reported.
- Air modeling shall be carried out using standard soft-wares for point, area and line sources.
- Collection of base-line monitoring data reported to be initiated; the same may be used in the report.
- All environmental monitoring shall be conducted through approved Laboratories.
- EIA shall be prepared only by Accredited Consultants in the field of Mining.

Earlier this case was recommended for delisting in 314th SEAC meeting dated 10/05/2018 as the TOR validity were up to 06/05/2018.

SEIAA vide letter no 1769 dated 06/12/2018 has forwarded this case to SEAC stating that, Since PP has submitted Revised Form-I, PFR and Public Hearing as per the OM dated 29.08.2017 by MoEF & CC (the validity of the TOR can be extend for a year).Hence it is decided to re-open the case and send technical file to SEAC for consideration and appraisal of the case.

Based on the above this case was scheduled for the presentation and discussion in 338th SEAC meeting dated 02/01/2019, wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by PP and their consultant. PP informed that they have submitted Revised Form-I, PFR and Public Hearing as per the OM dated 29.08.2017 by MoEF & CC and requested for extention of TOR's validity for a year. PP stated that there is no changing in the Revised Form-I and earlier deposited Form-I and other details.

PP further submitted that delay was caused in getting approval of Mining Plan from the concerned authority due to change of jurisdiction from IBM to the Directorate of Mineral Resources Department, Govt. of M.P. Ultimately, PP has got Mining Plan approved by the Directorate of Mineral Resources Department on 29.09.2017 and in the mean time the validity of mining lease period expired. Now, the lease period has also been extended from 01.04.1998 to 31.03.2048.

During further appraisal of the case for TOR validity extension and perusal of the documents it was observed by the committee that this is the case of violation as PP has already started production without obtaining the prior environmental clearance in terms of the provisions of the EIA Notification, 2006 and thus identified to be in violation of the same. PP agrees that they have obtained the production without having EC.

Committee considering the recent GoI, MoEF & CC Notification dated 8th March, 2018 recommends that case may be dealt as per the provisions laid down in this notification and the project may be granted Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the EIA report by the accredited consultant and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories.

Hence committee recommended to issue additional TOR as per notification dated 08th March 2018 along with standard TOR prescribed by the MoEF&CC under following specific conditions for conducting the EIA along with following additional TOR's and as annexed as Annexure-D :-

1. Give details of the mineral production in the EIA report from the commencement of the mine.
2. Inventory of operating / proposed mines within 2 Km around the said mine.
3. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
4. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
5. Hydro geological studies should be carried out and be discussed in the EIA report.
6. Detailed plantation scheme with budgetary allocations be provided in the EIA report.
7. Mine water management plan be provided in the EIA report.
8. Land use plan should be plotted on the map.
9. Assessment of Ecological damage by this project and its Remediation Plan should be

- discussed in the EIA report.
10. Natural and community resource augmentation plan should be discussed in the EIA report.
 11. Year wise quantity of production carried out till date, quantity of product sold with its market value and royalty paid.
 12. Cumulative impact should be studied as proposed site is surrounded by other mines.
 13. Minimum six monitoring locations shall be selected for Air, Noise and Water.
 14. Environmental Cost Benefit analysis should be carried out and submitted with the EIA report.
 15. Environmental Policy of the company issued by the director with environmental management cell should be submitted with the EIA report.
 16. Issue like storm water management plan, mine water discharge, safety barrier zone with the neighboring mines etc. should be properly addressed in the EIA.
 17. Details of afforestation done till date with name and number of species and proposed plantation scheme should be provided in EIA with supporting photographs.
 18. Proposed workers facilitate and workers welfare scheme should be discussed in the EIA report with financial allocations.
 19. Any alternate route avoiding the nearby habitations.
 20. Land use plan should be plotted on the map.
7. **Case No. - 5810/2018 M/s Eastern Minerals, Shri Pranap Jain, 35, Vivekanand Marg, Contonment, Jhansi, UP – 472442 Prior Environment Clearance for Expansion of Diaspore & Pyrophyllite Mine in an area of 6.168 Ha. (50,000 ton per annum) (Khasra No. 1354/2, 230/1, 230/2) at Village- Khera, Tehsil - Jatara, Dist. Tikamgarh (MP)**

This is case of Diaspore & Pyrophyllite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1354/2, 230/1, 230/2) at Village-Khera, Tehsil - Jatara, Dist. Tikamgarh (MP) 6.168 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Inspector, Distt. Tikamgarh vide letter dated no 1784 dated 05/12/18 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 15.537 ha including this mine.

In this meeting, 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.

8. Case No. - 5814/2018 M/s Peetambra Minerals, Smt. Asha Gupta W/o Shri Narendra Gupta, 814/1, C.P.Mission Compound, Dist. Jhansi, UP Prior Environment Clearance for Crusher Stone Quarry in an area of 6.80 Ha. (47,500 cum per annum) (Khasra No. 17/5) at Village- Asati Jungle, Tehsil - Nivari, Dist. Tikamgarh (MP)

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 17/5) at Village- Asati Jungle, Tehsil - Nivari, Dist. Tikamgarh (MP) 6.80 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Inspector, Distt. Tikamgarh vide letter no 1308 dated: 14/08/18 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

In this meeting, 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.

9. Case No. - 5815/2018 M/s Shree Marble, Plot No. 186, Nalanda College, Mahaveer Nagar, Katni, MP Prior Environment Clearance for Marble Mining Quarry in an area of 4.50 Ha. (10,000 cum per annum) (Khasra No. 554/1 Parts) at Village- Papredi, Tehsil - Beohari, Dist. Shahdol (MP)

This is case of Marble Mining Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 554/1 Parts) at Village- Papredi, Tehsil - Beohari, Dist. Shahdol (MP) 4.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of PFR, approved Mining Plan & DSR report. PP vide letter dated 10/01/2019 has submitted revised Eakal Premanpatra with 500 meters certificate issued by

incharge mining inspector which is forwarded by SEIAA vide letter no. 2038 dated 18/01/2019. As per this certificated no mine is sanctioned within 500 meters of this mine.

The case was presented by PP and their consultant wherein during presentation it was observed by committee that some area of lease is already excavated for which PP submitted that the pit which is appearing in Google image is created due to prospecting and the mined out marble blocks are still kept inside the lease area and mineral prospecting is exempted. It was observed by committee that a natural drain is passing through the lease for which PP submitted that this drain has water only during rainy season. Committee recommends that this drain shall be protected and no mining is permitted up to 50 meters from this drain on the both banks and a retaining wall shall also be provided for its protection. Further committee observed that some trees are in existence within the lease for which PP submitted that there are 08 to 10 trees which have grown along the drain and will not be uprooted. Even if any tree needs to be uprooted, approval of competent authority will be obtained. Committee recommends that with the imposition of 50 meters restriction for mining on the both sides of natural drain most of the trees will be protected and if any tree is uprooted, PP will plant 05 times of the numbers of trees uprooted that too only after obtaining approval of competent authority. After presentation, PP was asked to submit information on following:

1. The Marble slurry handling and management plan.
2. The map of Geological Vertical Section of the lease.
3. Revised plantation schemes as suggested during meeting.
4. Revised EMP budget with include cost of occupational health survey & cost of PPEs.

PP has submitted the response of above quarries vide letter dated 31.01.2019 which was placed before the committee and the same was found satisfactory. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for Marble Mining Quarry in an area of 4.50 Ha. (10,000 cum per annum) (Khasra No. 554/1 Parts) at Village- Papredi, Tehsil - Beohari, Dist. Shahdol (M.P), subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.

3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

8. Retaining wall along with drain shall be provided all around the natural drain.
9. 50 meters area shall be left as non-mining area on the both sides of the natural drain.
10. Slurry tank specification (L 40 feet X W 25 feet X D 08) feet should be provided to avoid slurry discharge from the mining lease area and settling pits shall be provided for proper sedimentation and supernatant water shall be recycled back.
11. The slurry generated during mining should be stored at a designated place in the lease area in concrete tank. Dried slurry shall not be disposed off out side of the lease area.
12. PP shall explore the possibility of utilizing this dried slurry for other beneficial purposes.
13. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) & natural drain to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 13,500 no's of trees will be planted in the five years in the 1.65 ha. area of the lease. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
15. Transportation of material shall be done in covered vehicles through tar road.
16. Transportation of minerals shall not be carried out through forest area.
17. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

20. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
21. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

22. In the EMP Rs. 3.70 lakh is proposed as capital cost and Rs. 3.10 lacs as recurring cost.
23. Under CSR activity, Rs. 1.90 Lakh /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
24. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
25. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
26. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
27. PP will comply with all the commitments made vide letter dated 31.01.2019.
28. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance

10. Case No. - 5761/2018 M/s Samle Prasad Gauri Shanker, Proprietorship Shri Prakash Chand Gupta, P.O. Jaitwara, District Satna (MP)-485221 Prior Environment Clearance for Selha Laterite, White Clay & Ochre Mine in an area of 12.67 ha. for production capacity of 1,25,000 TPA (Laterite- 1,00,000 TPA, Ochre- 20,000 TPA, Clay- 5000 TPA) at Village Selha, Tehsil Majhgawan, District Satna (MP)

This is case of Laterite, White Clay & Ochre Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village Selha, Tehsil Majhgawan, District Satna (MP) 12.67 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office (Ekal Praman Patra) vide letter no. 475 dated: 26/02/2016

has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled in 330th SEAC meeting dated 24/10/2018 wherein committee after presentation decided that on the basis of above submission, PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

- a. Old production details.
- b. Settlements and school building (as reported by Tehsildar) are in existence near the lease thus their protection plan shall be discussed in the EMP.
- c. A Kachcha road is passing through the lease thus alternate route shall be proposed.
- d. Management and disposal plan of OB and top soil.
- e. One month monitoring should be carried out for air, water and noise pollutants.
- f. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.
- g. Existing scenario of site should be discussed in the EMP in detail.
- h. EMP should be supplemented by the recent photographs of the site.
- i. Details of existing facilities and machineries available on site should be discussed in the EMP.

SEIAA vide letter no. 1954 dtd. 07.01.2019 forwarded a complaint from Shri Umesh Agnohotri, Satna dtd. 03.01.2019, regarding discrepancies in allocation of Khasra numbers to the PP. The complainant stated that Khasra no. 51 & 51/1 are not allocated to lessee, the part of Khasra no. 51/1 has mentioned in निस्तार पत्रक for domestic fuel purpose and reserve for rural villagers uses and other part of this same Khasra no. 51/1 allocated for crematorium uses. The Khasra no. 51/2 (partly) has allocated to persons Shri Badku. The Khasra no. 52/1ख has allocated to persons namely Shri Horilal. Khasra no. 52/1ग has allocated to persons namely Shri Tirra and Khasra no. 52/1घ has allocated to persons namely Nirji. Complainant further affirmed that these all four mentioned Khasras are procured by the government under allocation (बंटन) hence, the land owner neither sell nor given to other uses. SEIAA instructed that this complaint may be sent to concerned office/department for examination. Committee decided that as per the instructions of SEIAA, complaint may be sent to concerned authority (District Collector & Mining Department) for examination of facts.

PP vide letter dated 14/01/2019 has submitted the EMP report which was placed before the committee.

In this meeting the PP and their consultant present for EMP presentation. The case was examined in the light of recent OM of MoEF&CC, GoI, issued vide F.No. L-11011/175/2018-18-II (M), Dated 12th December 2018, the relevant part is as follows:

“Providing for EIA, EMP and therefore, public consultation for all areas from 5- 25 ha., falling category B-2 at par with category B-1 by SEAC/SEIAA as well as for cluster situation wherever it is not provided.”

Hence, after presentation committee decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and as per annexure-D:

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
3. Permission from Gram Sabha shall be required.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Atleast 08 stations should be selected for monitoring with two stations on transportation route and results should be discussed in the EIA report.
8. Hydro -geological study should be carried out if ground water intersection is proposed.
9. Top soil management plan should be addressed in EIA report.
10. Input data of modeling should be addressed in EIA along with this all back up calculation.
11. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
12. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
13. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
14. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.

11. Case No. - 5820/2018 M/s. Khajuraho Minerals Pvt. Ltd, 6th Km, Sagar Road, Dhadari, P.O. & District - Chhatarpur, MP – 471001 Prior Environment Clearance for Pyrophyllite Mine in an area of 4.95 Ha. (1,00,000 ton per annum) at Khasra-Compartment no.-166, Village- Patan, Tehsil - Buxwaha, Dist. Chhatarpur (MP)

This is case of Pyrophyllite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village- Patan, Tehsil - Buxwaha, Dist. Chhatarpur (MP) 4.95 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office, Chhatarpur vide letter No. 491 dated: 24/01/19 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein PP stated that mining lease area of 4.5 ha. is a part of forest compartment - Patan PF, no. – 166 , Range - Bajna (Old - Bada Malhara), Division & District- Chhatarpur reference as forest land and the MoEF&CC N. delhi vide letter No 6/MPCO39/2010-BHO/45 dated 25.01.2017 has granted in diversion of 4.95 ha. Protected Forest land for extraction of Pyrophyllite open cast Mining in circle Bada Malhara, P-No. – 166 in favour of PP also PP has deposited Net Present Value (NPV) to the concerned authority. Further it was observed by the committee that the on the both sides of lease (east and west) a drain is in existence for which PP submitted that both these drains are far away (approx. 500 meters & 900 meters) from the lease. However, Committee recommends that garland drains and settling tanks may be provided all around the lease to avoid any contamination to these natural drains. PP submitted that they have proposed garland drains and settling tanks for this mine.

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 Pyrophyllite Mine in an area of 4.95 Ha. (1,00,000 ton per annum) at Khasra- Compartment no.-166, Village- Patan, Tehsil - Buxwaha, Dist. Chhatarpur (MP) subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.

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

(B) MINING OPERATIONAL PHASE

8. Retaining wall along with drain shall be provided all around the down side of the hillock.
9. Over head water sprinkling system shall be provided to the transport vehicle which will carry the salable material.
10. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
11. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 6550 no's of trees will be planted (as 4300 trees in the back filled area, 650 trees in green belt and 1600 in the transport route). PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
12. Transportation of material shall be done in covered vehicles through tar road.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. Garland drains size 865m x 2m x 1.5m, with 06 settling pits size (20-30) m x 10m x 3m towards lowest level in NW, west, SW, SE, east and NE direction should be provided to avoid silt discharge. Besides this mine sump will be prepared of size 50m x 30m x 3.0m at lowest level in quarry.
16. Water sprinkling through tankers should be provided on 2.0 Kilometer long and 10 meter wide haul road. However, regular water spraying should also be practiced on transport road for dust suppression.

17. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
21. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.
22. Regularly check ground water /dug well sample of the lease area particularly w.r.t. to alumina content to avoid any leachate can not be reached into the G.W.

(C) ENTIRE LIFE OF THE PROJECT

23. The proposed EMP cost is Rs. 15.00 lakh and Rs. 07.00 lakh /year are proposed as recurring expenses.
24. Under CSR activity, Rs. 2.5 lakh/year is proposed as recurring expenses in different activities and should be implemented through respective committees.
25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
27. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
28. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

12. Case No. - 5825/2019 M/s Khajuraho Motors Pvt. Ltd, 6 K.M. Sagar Road, Dadhari, Dist. Chhatarpur, MP – 471515 Prior Environment Clearance for Sand Quarry in an area of 2.50 Ha. (47,000 cum per annum) (Khasra No. 611/1/1, 611/2, 527/2, 612/2,

**509/1-1/2, 511/2) at Village- Barua, Tehsil - Gorihar, Dist. Chhatarpur (MP)
(Temporary Permit)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 611/1/1, 611/2, 527/2, 612/2, 509/1-1/2, 511/2) at Village- Barua, Tehsil - Gorihar, Dist. Chhatarpur (MP) 2.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office, Chhatarpur vide letter No. 38 dated: 03/01/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.928 ha., including this mine.

The case was presented by the PP and their consultant. The PP stated that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence of flood in Ken River in the long course of time. PP further stated that, this lease was obtained under temporary permit (TP) for two years period & the method of mining will be open cast semi mechanized. There are 4 trees within the lease area and lessee committed that no tree shall be uprooted. After presentation the committee asked to submit following details:

- Water Demand Chart
- Revised Plantation number as suggested.
- Revised CSR activity in the affected village as suggested by the committee.
- Revised EMP as suggested by the committee

PP has submitted the response of above quarries same date vide letter dated 31.01.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

- Production of Sand as per mine plan with quantity not exceeding 47,000 cum/year.

- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 1000 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs. 4.1 Lakh.
- In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
- Under CSR Rs. 0.60 Lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
- It being a case of TP, PP has to ensure the execution of closure plan.

13. Case No. - 5826/2019 Shri Valmiki Agnihotri, Village - Sarvai, Tehsil - Gaurihar, Dist. Chhatarpur, MP – 471515 Prior Environment Clearance for Sand Quarry in an area of 2.00 Ha. (33,179 cum per annum) (Khasra No. 16, 17) at Village- Singarpur, Tehsil - Gorihar, Dist. Chhatarpur (MP) (Temporary Permit)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 16, 17) at Village- Singarpur, Tehsil - Gorihar, Dist. Chhatarpur (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, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Surveyor, Chhatarpur vide letter dated: 07/12/18 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. The PP stated that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence of flood in Ken River in the long course of time.

PP further stated that, this Khodu-Bharu sand deposits mine is near a nallah which is ultimately open into the River Ken and this lease was obtained under temporary permit (TP) for two years period, the method of mining will be open cast semi mechanized. After presentation the committee asked to submit following details:

- Water Demand Chart
- Revised Plantation number as suggested.
- Revised CSR activity in the affected village as suggested by the committee.
- Revised EMP as suggested by the committee

PP has submitted the response of above quarries same date vide letter dated 31.01.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

- Production of Sand as per mine plan with quantity not exceeding 33,179 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 1000 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental management Plan of Rs. 4.1 Lakh.
- In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
- Under CSR Rs. 0.60 lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
- It being a case of TP, PP has to ensure the execution of closure plan.

14. Case No. - 5827/2019 M/s Baa Ke Bihari Corporation, Pro. Harshit Awasthi, 104, Mars, Royal Premium Residency, Scheme - 74, Vijay Nagar, Indore, MP Prior Environment Clearance for Sand Quarry in an area of 0.397 Ha. (4,443 cum per annum) (Khasra No. 142/2, 147/2) at Village- Rampurghat, Tehsil - Gorihar, Dist. Chhatarpur (MP) (Temporary Permit)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 142/2, 147/2) at Village- Rampurghat, Tehsil - Gorihar, Dist. Chhatarpur (MP) 0.397 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office, Chhatarpur vide letter No. 90 dated: 05/01/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant. The PP stated that this is a Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence flood by Ken River in the long course of time.

PP further stated that, there are 4 trees within the lease area, the lessee committed that no tree shall be uprooted. This Khodu-Bharu sand deposits mine is near a nallah which is ultimately open into the River Ken and this lease was obtained under temporary permit (TP) for two years period, the method of mining will be open cast semi mechanized. After presentation the committee asked to submit following details:

- Water Demand Chart.
- Revised Plantation number as suggested.
- Revised CSR activity in the affected village as suggested by the committee.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 31.01.2019, which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'C':

- Production of Sand as per mine plan with quantity not exceeding 4,443 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- 500 trees shall be planted in the barrier zone, approach road and at nearby villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental management Plan of Rs. 1.10 Lakh.
- In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
- Under CSR Rs. 0.60 lakh/year is proposed for various activities. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
- It being a case of TP, PP has to ensure the execution of closure plan.

15. Case No. - 5828/2019 M/s Shreeji Infrastructure India Pvt. Ltd, South Civil Line, Pachpedi, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Stone Mine in an area of 3.250 Ha. (35861 cum per annum) (Khasra No. 307/3/KA) at Village- Lilauri, Tehsil - Raghurajnagar, Dist. Satna (MP)

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 307/3/KA) at Village- Lilauri, Tehsil - Raghurajnagar, Dist.

Satna (MP) 4.95 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office, Satna vide letter No. 208 dated 21/1/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 17.81 ha including this mine.

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

16. Case No. - 5829/2019 Shri Raj Kishor Sharma, S/o Shri Shambhu Prasa Sharma, Village - Patna Tamoli, Tehsil - Gunnaur, Dist. Panna, MP Prior Environment Clearance for Flag Stone Mine in an area of 1.600 Ha. (3080 cum per annum) (Khasra No. 147/2 Parts) at Village- Ghutehi, Tehsil - Pawai, Dist. Panna (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 147/2 Parts) at Village- Ghutehi, Tehsil - Pawai, Dist. Panna (MP) 1.600 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Inspection, Distt. Panna vide letter dated: 01/12/17 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during presentation it was observed that village kachha road at a distance of approx. 120 meters is passing in the northern side and settlement is the southern side of the lease. Thus committee recommends that thick belt of plantation shall be developed towards village side to act as a curtain wall. After presentation, committee asked PP to submit following information:

1. Revised Plantation scheme as per the suggestion during meeting.
2. Revised EMP as suggested during presentation.

3. Revised CSR activities with appropriate budget as suggested during meeting.

PP vide letter dated 31/01/2019 has submitted the reply of above queries which was placed before committee. The query reply, EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special condition in addition to the standard conditions at annexure 'A':

1. Production of Flagstone as per mine plan with quantity not exceeding 3080 cum per annum.
2. A thick cover of plantation shall be carried out in the southern side to arrest dust particles.
3. 100 trees per year shall be planted in the barrier zone, approach road and at nearby villages.
4. The lease area should be clearly distinguished and earmarked at the site.
5. PP should explore possibility of using solar lights in office /rest areas.
6. Overhead sprinklers arrangements should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road.
7. Approach road from site to the main road will be maintained by the PP.
8. Top soil shall be simultaneously used for the plantation.
9. If any tree falling is proposed necessary permission from the competent authority must be obtained.
10. A budgetary provision for Environmental Management Plan of Rs. 0.70 lakh .
11. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. Under CSR Rs. 0.35 lakh/year is proposed for various activities.

17. Case No. - 5830/2019 Shri Mangal Singh Yadav S/o Shri Trilok Singh Yadav, Ward No. 07, Village - Ajeetpur, Post. Koteha, Tehsil - Gaurihar, Dist. Chhatarpur, MP – 471516 Prior Environment Clearance for Sand Deposit Quarry in an area of 1.113 Ha. (25,422 cum per annum) (Khasra No. 616/7, 617) at Village- Barua, Tehsil - Gaurihar, Dist. Chhatarpur (MP) (Temporary Permit)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 616/7, 617) at Village- Barua, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.113 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Officer, Distt. Chhatarpur vide letter No. 454 dated: 23/1/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

In this meeting the case was presented by the PP and their consultant. The PP stated that this is Khodu-Bharu type sand mine and such sand deposits are accumulated in the filled due to erosion and recurrence flood by Ken River in the long course of time.

PP further stated that, this lease was obtained under temporary permit (TP) for two years period in order to maintaining and repairing the W.B.M. approach road during development. The method of mining will be open cast semi mechanized. After presentation the committee asked to submit following details:

- Revised Plantation details as suggested.
- Revised EMP as suggested by the committee
- Revised CSR activity in the affected village as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 31.01.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee after deliberation found that the EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

- Production of Sand as per mine plan with quantity not exceeding 25,422 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages and approach road from site to the main road will be maintained by the PP.
- Total 400 (@200 trees /year) trees in two year shall be planted in the barrier zone, approach road and at nearby village.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- The lease area should be clearly distinguished and earmarked at the site.
- A budgetary provision for Environmental Management Plan of Rs. 5.10 Lakh (capital) is made with a recurring expenditure of 2.05 Lakh /year.

- In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
- Under CSR Rs. 0.60 Lakh/year is proposed for sports activity in the Barua and Parei villages. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- All the mining activities shall be carryout in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
- Being a Temporary Permit (TP) validity of EC should be only up to the validity of TP.
- It being a case of TP, PP has to ensure the execution of closure plan.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Shri Prasant Srivastava)
Member

(Dr. J. P. Shukla)
Member

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

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

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

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

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.

9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
10. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
11. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
12. Grant of TOR does not mean grant of EC.
13. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
14. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
15. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
21. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.
26. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.