

The 356<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 30<sup>th</sup> March, 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. Dr. Sonal Mehta, 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. - 5628/2017 M/s RMG Super Mines Pvt. Ltd, 33, Jagaran Bhawan, Press Complex, M.P.Nagar, Bhopal, MP Prior Environment Clearance for Iron Ore, Laterite, Clay & Ochre Mine in an area of 4.54 Ha.. (1,71,689 ton per annum) (Khasra no.93) at Village- Dhamdha, Tehsil - Sihora, Dist. Jabalpur (MP).**

This is case of Iron Ore, Laterite, Clay & Ochre Mine. The proposed site is located at (Khasra no.93) at Village- Dhamdha, Tehsil - Sihora, Dist. Jabalpur (MP) 4.54 Ha. The project requires prior EC before commencement of any activity at site. PP has submitted ToR application forwarded by the SEIAA vide letter no. 1499 dated 10/1/2018.

Earlier this case was scheduled in 306<sup>th</sup> SEAC meeting dated: 27/01/2018 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 if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

<b>FOR MINING PROJECTS</b>			
S. no.	Particular		Details
1	Name of the project & its location	:	<b>4.54ha Dhamdha Iron ore, Laterite, Ochre and Clay mine</b> Khasra No. 93 Village- Dhamdha, Teshil Sihora, Dist Jabalpur (MP)
2	Name of the Company, Address Tele No. & E-mail		M/S RMG Super Mines Pvt. Ltd. Jagaran Bhawan, 33, Press Complex, M. P. Nagar, Zone-I, Bhopal (MP)
3	Latitude and Longitude of the project		23° 22' 14.1" to 23° 22' 28.7" North

		80° 02' 33.6" to 80° 02' 44.1" East
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc	Running mine, area – 4.54ha, Govt. Land connectivity-NH-7
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	80.0 lakh
8	Employment generated/to be generated	40
9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from ..... MT to ..... MT ii What is the % of expansion	Expansion
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	Yes
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	NA
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)	NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	NA
16	Type of Mine: (Open cast/Underground/mixed):	Opencast
17	Capacity of the mine applied for	Iron ore, Laterite, Ochre and clay
18	ML Area i. As per block allotment ii. As per approved mine plan	4.54ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date 09.02.2017
20	Date of Board's approval:	NA
21	Date of Ground water clearance	NA
22	Date of mine closure approval	NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	ToR stage
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	ToR stage
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	No

During presentation it was observed that: It being a case of major minerals committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. During monitoring activities, appropriate photographs with date should be taken by and submitted along with the EIA Report.
2. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer with pictorial and documented proof.
3. Top soil management plan be discussed in the EIA report.
4. Ground water recharge study of the nearby area be carried out by the PP and same should be discussed in the EIA report.
5. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
6. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
7. Any alternate route avoiding the nearby habitations (if any).
8. Land use plan should be plotted on the map.
9. 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.
10. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
11. 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.
12. 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.
13. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
14. The EIA document shall be printed on both sides, as far as possible.
15. All documents should be properly indexed, page numbered.
16. Period/date of data collection should be clearly indicated.
17. The letter /application for EC should quote the SEIAA file No. and also attach a copy of the letter prescribing the TOR.
18. 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.
19. 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.

20. Grant of TOR does not mean grant of EC.
21. 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.
22. 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.
23. 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.

PP has submitted EIA vide letter no.-nil dated 11.03.2019 which was forwarded by the SEIAA vides letter no.2746 dated-19/03/2019.

EIA was presented by the PP and their consultant:

- This is a project pertaining to capacity enhancement from 16,121 to 1,71,689 TPA for mining of Iron ore, Laterite, Ochre and clay in MLA of 4.54 ha. The activity is mentioned at S.N. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. It was submitted that mine was in ooperation with valid consent of SPCB and presently it is closed having valid lease up to Year 2043. The mine was operated with open cast OTFM method.
- **Environment Setting**

• Particulars	• Details
• Village	• Dhamdha
• Tehsil	• Sihora
• District	• Jabalpur
• State	• MP

<ul style="list-style-type: none"> <li>• Latitude</li> <li>• Longitude</li> </ul>	<ul style="list-style-type: none"> <li>• 23° 22' 14.1" to 23° 22' 28.7" North</li> <li>• 80° 02' 33.6" to 80° 02' 44.1" East</li> </ul>
<ul style="list-style-type: none"> <li>• General Ground Level</li> </ul>	<ul style="list-style-type: none"> <li>• 402m AMSL</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest Village</li> </ul>	<ul style="list-style-type: none"> <li>• Dhamki - 0.50km - S</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest National/state Highway</li> </ul>	<ul style="list-style-type: none"> <li>• NH-7 - 170m - W</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest Railway Station</li> </ul>	<ul style="list-style-type: none"> <li>• Gosalpur - 1.50Km - NE</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest Airport</li> </ul>	<ul style="list-style-type: none"> <li>• Jabalpur - 21.25 km</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest Tourist Place within 10km radius.</li> </ul>	<ul style="list-style-type: none"> <li>• None within 10km radius</li> </ul>
<ul style="list-style-type: none"> <li>• Archaeological Important Place within 10km radius.</li> </ul>	<ul style="list-style-type: none"> <li>• None within 10km radius</li> </ul>
<ul style="list-style-type: none"> <li>• Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.</li> </ul>	<ul style="list-style-type: none"> <li>• None within 10km radius</li> </ul>
<ul style="list-style-type: none"> <li>• Reserved / Protected Forest within 10km radius (Boundary to boundary distance)</li> </ul>	<ul style="list-style-type: none"> <li>• Borha RF - 6.0km - SE</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest Town / City within 10km radius</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<ul style="list-style-type: none"> <li>• Particulars</li> </ul>	<ul style="list-style-type: none"> <li>• Details</li> </ul>
<ul style="list-style-type: none"> <li>• Nearest River, Nalla, Canal/ pond</li> </ul>	<ul style="list-style-type: none"> <li>• Karthal Nadi - 1.50km - S</li> <li>• Heran River - 4.00km - NNW</li> <li>• Karihar Nadi - 7.25km - SW</li> <li>• Barne Nadi - 8.5km - E</li> <li>• Burhigar Tank - 2.0km - SW</li> <li>• Local Nalla - 0.50km - W</li> <li>• Barera Reservoir - 5.75km - SE</li> <li>• Maral Reservoir - 9.0km - SSE</li> <li>• Barne Reservoir - 8.00km - ESE</li> <li>• Jhansi Talab - 4.00km - ESE</li> <li>• Ranital Talab - 4.00km - SE</li> <li>• Mohari Reservoir - 8.50km - S</li> <li>• Canal - 1.25km - S</li> <li>• Canal - 5.25km - SE</li> <li>• Canal - 2.00km - E</li> </ul>
<ul style="list-style-type: none"> <li>• Other mines within 2km radius</li> </ul>	<ul style="list-style-type: none"> <li>• Shobha Minerals, Dhamki</li> <li>• Shobha Minerals, Keolari</li> </ul>

	<ul style="list-style-type: none"> <li>• Jhakodia Minerals, Dhamki</li> <li>• Rajeev Chhadha, Dhamki</li> <li>• Two other mines</li> </ul>
<ul style="list-style-type: none"> <li>• Industries within 2km radius</li> </ul>	<ul style="list-style-type: none"> <li>• Sagar Stone Beneficiation plant, Dhamki</li> <li>• Jhakodia Minerals Beneficiation plant, Dhamki</li> <li>• Rajeev Chhadha Beneficiation plant, Dhamki</li> </ul>

### GEOLOGY OF THE MINE

On the basis of working pit and recently done the bore holes shows that the lease area is capped by Laterite and Laterite is resting over Iron Ore fines. The bore hole data reveals that western peripheral part as per structural interpretation at depth there is phyllites and band of 10-20m width is likely to be running in NE - SW direction and in continuation across the strike. There is another band of Iron Ore as micaceous hematite bands up to lease boundary is continued along with small thin bands of phyllite and sparsely thinly dispersed quartzite formation. The Laterite formation is showing leached zone hence ferrous rich iron above 45% Fe is considered under Iron Ore and less than 45% Fe is considered under Laterite. In capping zone, by volume Laterite is 85%, Iron Ore is 10% and rest 5% is considered as recovery losses.

- Lateritic Soil/ Laterite
- Phyllite/ BHQ/ Iron Ore
- Base - Unknown

### Geo-Technical Details:

<ul style="list-style-type: none"> <li>• Particulate</li> </ul>	<ul style="list-style-type: none"> <li>• Details</li> </ul>
<ul style="list-style-type: none"> <li>• Geological reserves for Iron ore</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• Measured minerals resources (331)</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• Capping zone Iron ore as Pebbles = 31174m<sup>3</sup> X 10% X 3.0</li> </ul>	<ul style="list-style-type: none"> <li>• 9352.00 T</li> </ul>
<ul style="list-style-type: none"> <li>• Below the capping zone G1 = 108718m<sup>3</sup> X 95% X 2.85</li> </ul>	<ul style="list-style-type: none"> <li>• 294354.00 T</li> </ul>
<ul style="list-style-type: none"> <li>• Total Resources (331) = 9352 + 294354</li> </ul>	<ul style="list-style-type: none"> <li>• 303706.00 T</li> </ul>
<ul style="list-style-type: none"> <li>• Indicate mineral resources (332)</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• Capping zone G2 = 96640m<sup>3</sup> X 10% X 3.0</li> </ul>	<ul style="list-style-type: none"> <li>• 28992.00 T</li> </ul>
<ul style="list-style-type: none"> <li>• Below Capping zone G2 = 1186079m<sup>3</sup> X 95% X 2.85</li> </ul>	<ul style="list-style-type: none"> <li>• 3240301.00 T</li> </ul>
<ul style="list-style-type: none"> <li>• Feasibility mineral resources (211)</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>

• Capping zone - Ore blocked in barrier zone = 270 X 7.5 X 3 X 10% X 3.0	• 1823.00 T
• Below Capping zone - Ore blocked in barrier zone = 270 X 7.5 X 8 X 95% X 2.85	• 43862.00 T
• Below capping zone - Ore blocked in pit slope = 255 X 25m <sup>2</sup> X 95% X 2.85	• 17260.00 T
• Total resources blocked (211) 1823+43862+17260	• 62945.00 T
• Total proved reserves (111) = 303706-62945	• 240761.00 T
• Feasibility mineral resources (221)	•
• Capping zone - Ore blocked in barrier zone = 630 X 7.5 X 3 X 10% X 3.0	• 4253.00 T
• Capping zone - Ore blocked in 50m electric line= 8075m <sup>2</sup> X 3 X 10% X 3.0	• 7268.00 T
• Below Capping zone - Ore blocked in barrier zone = 630 X 7.5 X 24 X 95% X 2.85	• 307031.00 T
• Below capping zone - Ore blocked in pit slope = 590m X 240m <sup>2</sup> X 95% X 2.85	• 383382.00 T
• Below Capping zone - Ore blocked in 50m electric line= 8075m <sup>2</sup> X 24 X 95% X 2.85	• 524714.00 T
• Total resources blocked (221) 14253+7268+307031+383382+524714	• 1226648.00 T
• Total probable reserves (121) = 32440301-1226648	• 2013653.00 T
• Total mineral reserves 111+121= 240761+2013653	• 2254414.00 T
• Production in next Two year period	• 196757.00 T
• Balance reserves =2254414-196757	• 2057657.00
• Proposed capacity	• 171689.00 T
• Hence mine life = 2 + 2057657/171689.00 = 2+11.98	• 14 years
• Particulate	• Details
• Geological reserves for Laterite	•
• Measured minerals resources (332)	•
• Capping zone Laterite = 167466m <sup>3</sup> X 85% X 2.7	• 384334.00 T
• Feasibility mineral resources (222)	

• Capping zone - Ore blocked in barrier zone = 900 X 7.5 X 3.0 X 0.85X 2.7	• 46474.00 T
• Capping zone - Ore blocked in 50m electric line= 8075m <sup>2</sup> X 3 X 0.85X 2.7	• 55596.00 T
• Total resources blocked (222)46474+55596	• 102070.00 T
• Total probable reserves (122) = 384334-102070	• 282264.00 T
• Production in next one year period	• 71269.00 T
• Balance reserves =282264-71269	• 210995.00T
• Proposed capacity	• 71269.00 T
• Hence mine life = $1 + 210995/71269 = 1+2.96$	• 3.96 says 4 years

After detail discussion and deliberation, the committee has asked the PP to submit the following information:

1. Revised CER programme and budget
2. Revised EMP cost inclusive of construction of pucca road.

PP has submitted the response of above quarries vide letter dated 30.03.2019 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 decided to recommend the case for grant of EC for capacity expansion of Iron Ore, Laterite, Clay & Ochre Mine in an area of 4.54 Ha. (Capacity enhancement from 16,121 to 1,71,689 TPA) (Khasra no.93) at Village- Dhamdha, Tehsil - Sihora, Dist. Jabalpur (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.
8. Kachcha Road of 230 meters long PP will make Pakka before commencing the mining work.

**(B) OPERATIONAL PHASE**

9. Over head water sprinkling system with pipeline facility shall be provided to the transport vehicle which will carry the waste material, if possible.
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 4080 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
12. Transportation of material shall be done in covered vehicles.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. Existing Garland drains 466 X 0.50 X 0.50m and 535 X 0.50 X 0.50m shall be maintained properly. These drains will be provided with settling pits of 9 no. should be provided to avoid silt discharge. In addition to existing settling tank of 0.11 ha X 6.0 MD , additional settling tank of 0.11ha X 6.0mD is proposed which shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
16. 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 230 meters long and width 06 meters wide 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. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM period	Conceptual Period
Total lease area	4.54ha		
Ultimate depth of mining	6m bgl (391m MSL)	17m bgl (380m MSL)	37m bgl (360m MSL)
Ultimate pit slope	80 degree	45 degree	45 degree
Area under dumps	Nil	Nil	Nil
Area under pits	1.1193ha	1.9788ha	3.0575ha
Infrastructure & Road	0.02ha	0.02ha	Nil
Mineral storage	0.7800ha	0.9216ha	Nil
Plantation	0.10ha	0.75ha	1.25ha
Un-worked area	2.5207ha	1.6196ha	0.2325ha
Total	4.54ha	4.54	4.54ha
Water body	0.25ha	0.50ha	1.20ha
Area to be reclaimed	Nil	Nil	1.70ha
Plantation			
Un-worked area	0.10ha	0.75ha	1.25ha
Backfilled area	Nil	Nil	1.70ha
Bench area	Nil	Nil	0.1575ha
Total area for plantation	0.10ha	0.75ha	3.1075ha

19. 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.

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

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

24. The proposed EMP cost is Rs. 66.18 Lakh and Rs. 20.90 Lakh /year are proposed as recurring expenses out of which Rs. 15.75 Lakh is proposed for green belt development inclusive of green belt along transport road and Rs. 1.0 Lakh /year for recurring expenses for plantation in the proposed EMP of this project.
25. Under CER activity, Rs. 7.0 Lakh and Rs. 7.25 Lakh /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
26. 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.
27. 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.
28. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
29. PP will comply with all the commitments made vide letter dated 30 03.2019
30. 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. - 5972/2019 Smt. Akancha Singh, Behind of Collector Home, Dist. Chhatarpur, MP – 471515 Prior Environment Clearance for Granite Stone Mine in an area of 1.350 Ha. (Total Production 50,000 cum. per annum) (Khasra No. 481), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 481), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.350 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 Officer letter No. 294 dated: 14/01/19 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 20.371 ha., including this mine.

The case was presented by the PP and their consultant. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

- That the lease area is falling on the steep hillock which is having height of approximately 108 meters, length: 738 meters and width: 400 meters and the lease area is situated on the right flank of this steep hillock.
- A settlement is also seems in vicinity of the lease - just approx. 50 meters. From one co-ordinate the settlement is only 15 meters.
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involves lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight careless may threat to life of labors.

It was further observed by the committee that the mining is proposed from the hilltop having height of approx. 108 meters. On the NE side of the lease habitation is also in existence. It was submitted by consultant during presentation that few more lease are proposed on this hillock and another hillock existing nearby for mining and due for presentation today. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and other mines which are located on this hillock and another hillock in existence nearby and

have applied for EC to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

**3. Case No. - 5974/2019 M/s Ekta Granite, Shri Pradeep Singh, H.No. 444, Village - Joyoraha, Tehsil - Lavkushnagar, Dist. Chhatarpur, MP – 471525 Prior Environment Clearance for Granite Stone Mine in an area of 4.0 Ha. Total Production – 1,50,000 cum per annum) (Khasra No. 410), at Khasra No. 410 at Village - Churyari, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 410), Village - Churyari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 4.0 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 Officer letter No. 1212 dated: 20/2/19 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 17.400 ha., including this mine.

The case was presented by the PP and their consultant. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

- That the lease area is falling on the hillock and this hillock is in the association with another hillock. This hillock where lease area is falling is having height of approximately 59 meters, length: 515 meters and width: 299 meters and the lease area is situated on the right side of the of this steep hillock.
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involves lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight careless may threat to life of labors.
- Green area is also observed on this lease through Google image for which PP submitted that these are shrubs.

It was further observed by the committee that the mining is proposed from the hilltop having height of approx. 59 meters. On the NE side of the lease habitation is also in existence at a distance of approx 1.00 kms. It was submitted by consultant during presentation that few

more lease are proposed on this hillock and another hillock existing nearby for mining. A crushes is also seen in existence through Google image on the western side of the lease approx. 150 meters away. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and other mines which are located on this hillock and another hillock in existence nearby and have applied for EC to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

**4. Case No. - 5976/2019 Shri Upendra Kumar Shukla, S/o Shri Ram Kumar Shukla, R/o Rajendra Nagar Kabrai, Dist. Mahoba, UP – 0210427 Prior Environment Clearance for Granite Stone Mine in an area of 2.5060 Ha. Total Production – 3,02,600 cum per annum) (Khasra No. 151), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 151), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.5060 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 Officer letter No. NIL dated: NIL has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 12.122 ha., including this mine.

The case was presented by the PP and their consultant. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

- That the lease area is falling on the steep hillock which is having height of approximately 194 meters, length: 584 meters and width: 500 meters and the lease area is situated on the centre of this steep hillock.
- Also to carry out mining of stone is in such a peculiar situation where gradiet is to high involve lots of risks.
- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight careless may threat to life of labors.
- Green area is also observed on this lease through Google image for which PP submitted that these are shrubs.

It was further observed by the committee that the mining is proposed from the hilltop having height of approx. 194 meters. It was submitted by consultant during presentation that few more lease are proposed on this hillock and another hillock existing nearby for mining. A house is also seen in existence through Google image on the south-western side of the lease approx. 100 meters away. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and other mines which are located on this hillock and another hillock in existence nearby and have applied for EC to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

**5. Case No. - 5977/2019 M/s Apco Infratech Pvt. Ltd, B-9, Vibhuti Khand, Gomtinagar, Lucknow, UP – 471510 Prior Environment Clearance for Granite Stone Mine in an area of 2.8850 Ha. (100000 (2018-19), 200000 (2019-20), 200000 (Upto 7-10-2010) (Total Production – 5,00,000 cum per annum) (Khasra No. 2289), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2289), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.8850 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 Officer letter No. NIL dated: NIL has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 12.77 ha., including this mine.

The case was presented by the PP and their consultant. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

- That the lease area is falling on the hillock which is having height of approximately 31 meters, length: 334 meters and width: 220 meters and the lease area is situated on the centre of this hillock.
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involve lots of risks.

- Committee opinion that, in this area serious issue of slope stability and deployment of men and machine, slight careless may threat to life of labors.
- Green area is also observed on this lease through Google image for which PP submitted that these are shrubs.

It was further observed by the committee that the mining is proposed from the hilltop having height of approx. 31 meters. It was submitted by consultant during presentation that few more lease are proposed on this hillock and another hillock existing nearby for mining. A house is also seen in existence through Google image on the western side of the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and other mines which are located on this hillock and another hillock in existence nearby and have applied for EC to ascertain the sensitive features around the proposed mining area and TOR will be recommended after the site visit report.

**6. Case No. - 5995/2019 Shri Shiv Kumar Singh, Builder Hills, C-3/22, City Centre, Dist. Gwalior, MP – 474001 Prior Environment Clearance for Stone Quarry in an area of 3.650 Ha. (2,60,033 cum per annum) (Khasra No. 1865, 1970), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1865, 1970), Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 3.650 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 Officer letter No. 672 dated: 04/2/19 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. PP stated that this is a case of expansion in production capacity from 96300 Cu.Mt/Year to 2,60,033 Cu.Mt/Year. Previously EC was granted by DEAC/DEIAA MP vide letter no. 869/DEIAA/2016 Dated 26/06/2016. PP has also submitted that compliance of earlier EC certified by MoEF&CC Regional office, Bhopal vides letter no. 252 dated 27.03.2019 wherein compliance is satisfactory.



After presentation the committee asked to submit following details:

- Commitment blasting shall be done by through certified blaster.
- Expenses incurred for EMP & CSR during current lease period.
- Commitment of PP that no tree falling is proposed.
- Photographs of existing settling tanks.
- Proposal for 02-03 fixed type overhead sprinkler system.
- Revised CER cost.

Vide letter dated 30.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2,60,033 cum per annum .
2. A budgetary provision for Environmental management Plan of Rs. 10.07 Lakh as capital and Rs 3.69 Lakh/year as recurring and under CER Rs. 6.00 Lakh/years.

**7. Case No. - 5981/2019 M/s Agrawal Enterprises, Part - Shri Kalyan & Abhishek Agarwal, 21-A, Dhamvantri Nagar, Indore, MP - 453441 Prior Environment Clearance for Stone Quarry in an area of 1.509 Ha. (5047 cum per annum) (Khasra No. 247, 246), Village - Kesar Bardi, Tehsil - Mhow, Dist. Indore (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 247, 246), Village - Kesar Bardi, Tehsil - Mhow, Dist. Indore (MP) 1.509 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 Officer letter No. 119 dated: 25/02/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.149 ha., including this mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Pakka Road	>20	North -East	Setback of 30 meters shall be left in the lease from road as non miming area.
Settlement/ habitation	>370	North	
Natural drain	>108	South	
Natural drain	>250	West	

After presentation the committee asked to submit following details:

- Commitment from PP that no mining activity shall be carried out within 50 meters from WBM road which is in North –East side of the lease.
- Revised water consumption chart.
- Revised plantation nos. @333 plant/year as per suggested species by the committee.
- Revised EMP activities as suggested during meeting by the committee.
- Revised CER as suggested during meeting by the committee cost.

Vide letter dated 30.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

1. Production shall be as per mine plan with quantity not exceeding for Stone 5,047 cum/annum.
2. Setback of 30 meters shall be left in the lease from road as non miming area.
3. A budgetary provision for Environmental management Plan of Rs. 6.90 Lakh as capital and Rs 1.25 Lakh/year and under CSR Rs. 0.50 Lakh/years.

**8. Case No. - 5978/2019 Shri Pratap Singh Patel S/o Shri Man Singh Patel, Village - Ashukhedi, Tehsil - Dhar, Dist. Dhar, MP Prior Environment Clearance for Murrum Mine in an area of 1.339 Ha. (30,000 cum per annum) (Khasra No. 127), Village - Ashukhedi, Tehsil - Dhar, Dist. Dhar (MP)**

This is case of Crusher Murrum Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 127), Village - Ashukhedi, Tehsil - Dhar, Dist. Dhar (MP) 1.339 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 Officer letter No. 1914 dated: 24/02/18 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, PP stated that, the method of mining will be open cast manual and blasting is not proposed. The mine is on the plateau, and on the Google image no any significant sensitive features are observed as per image based on coordinates provided by PP. After presentation, PP was asked to submit:

1. Revised EMP as suggested by the committee.
2. Revised CER (smart class).

PP has submitted the response of above quarries same date vide letter dated 30.03.2019, 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':

1. Production of Murrum per mine plan with quantity not exceeding 30,000cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.935 Lakh as capital and Rs 1.67 Lakh/year and under CSR Rs.1.0 Lakh/years.

**9. Case No. - 5975/2019 Shri Narayandas Diwedi, Village - Fulwari, Tehsil - Bahri, Dist. Sidhi, MP – 427664 Prior Environment Clearance for Stone Mine in an area of 1.680 Ha. (12,936 cum per annum) (Khasra No. 30/1), Village - Lauwa, Tehsil - Bahri, Dist. Sidhi (MP)**

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 30/1), Village - Lauwa, Tehsil - Bahri, Dist. Sidhi (MP) 1.680 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 Tehsildar Office letter No. 963 dated: 5/02/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.02 ha., including this mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Pakka Road	>380	West	Crusher is proposes within the lease.
Kachchi Road	>20	East	
Scattered habitation	>60	South	

After presentation the committee asked to submit following details:

- Location of crusher on surface map.
- Commitment from PP that 03 meter hight MS wall will be erected all around the crusher.
- Revised plantation nos. i.e. total 600 plants shall be planted as per suggested species by the committee.
- Revised EMP activities as suggested during meeting by the committee.
- Revised CER as suggested during meeting by the committee cost.

Vide letter dated 30.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 12,936 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.73 Lakh as capital and Rs 2.30 Lakh/year and under CSR Rs. 1.64 Lakh/years.

**10. Case No. - 5980/2019 Shri Kripal Singh S/o Shri Harnath Singh, Village - Angera, Tehsil - Sonkatchh, Dist. Dewas, MP – 455118 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.0 Ha. (5,000 cum per annum) (Khasra No. 313), Village - Pilwani, Tehsil - Sonkatchh, Dist. Dewas (MP)**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 313), Village - Pilwani, Tehsil - Sonkatchh, Dist. Dewas (MP) 1.0 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, Dewas letter No. 89 dated: 21/01/19 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. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>
NH	>379	North
Pakka Road	>400	West
Kachchi Road	>130	North-West
Scattered habitation	>200	North-East

After presentation the committee asked to submit following details:

- Commitment from PP that blasting shall be carried out by certified blaster.
- Revised EMP activities as suggested during meeting by the committee.

Vide letter dated 30.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 5,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.95 Lakh as capital and Rs 1.57 Lakh/year and under CSR Rs. 0.30 Lakh/years.

**11. Case No. - 5861/2019 Shri Abhishek Arora S/o Shri Ashok Arora, Kasturba Ward, Dist. Seoni, MP – 480661 Prior Environment Clearance for Stone Quarry in an area of 2.850 Ha. (60,834 cum per annum) (Khasra No. 211), Village- Chargaon, Tehsil - Kurai, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 211), Village- Chargaon, Tehsil - Kurai, Dist. Seoni (MP) 2.850 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 vide letter no 1833 dated: 09/01/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 345<sup>th</sup> SEAC meeting & 353<sup>th</sup> SEAC meeting. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the

project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**12. Case No. - 5862/2019 Shri Rakesh Sanodiya S/o Shri Korsingh Sanodiya, Kidwai Ward, Dist. Seoni, MP – 480661 Prior Environment Clearance for Stone Quarry in an area of 2.790 Ha. (59,502 cum per annum) (Khasra No. 191), Village- Chargaon, Tehsil - Kurai, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 191), Village- Chargaon, Tehsil - Kurai, Dist. Seoni (MP) 2.790 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 vide letter No. 1833 dated: 09/01/2019 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 3.790 ha including this mine.

The case was scheduled for the presentation neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in the 345th SEAC meeting & 353th SEAC meeting. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**13. Case No. - 5932/2019 Sarpanch/Sachiv, Gram Panchayat, Village - Baturawah, Tehsil - Manpur, Dist. Umaria, MP Prior Environment Clearance for Sand Mine in an area of 1.704 Ha. (34,128 cum per annum) (Khasra No. 252), Village- Baturawah, Tehsil - Manpur, Dist. Umaria (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 252), Village- Baturawah, Tehsil - Manpur, Dist. Umaria (MP) 1.704 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 leases within 500 meters radius around the site and other requisite information in the prescribed

format duly verified in the Tehsildar Office vide letter No. NIL dated: NIL 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. During presentation it was observed by the committee that in the NOC vide no. 895 dated 30.05.2019 of Deputy Director, Bandhavavgarh Tiger Reserve stated that the lease area is 2.250 KM from the core Zone and in the NOC vide no. 139 dated 02.02.2019 of Forest Ranger stated that the lease area is 2.250 KM from the Core Zone and 1.60 KM from Buffer Zone . From the above certificates issued by authorities, it is not clear that the lease is outside of the restricted zone of ESZ. After presentation the PP was asked to submit following details:

- Revised DFO certificate stating that the lease is outside the ESZ and they have no objection for mining on this lease.
- Revised EMP activities (safety, sinages, solar) as suggested during meeting by the committee.

**14. Case No. - 5973/2019 Shri Rajendra Singh S/o Late Shri Tulsi Das Singh, Village & PPost - Khaira, Tehsil - Huzur, Dist. Rewa, MP – 486001 Prior Environment Clearance for Stone Mine in an area of 1.053 Ha. (8,088 cum per annum) (Khasra No. 365), Village - Padiya, Tehsil - Huzur, Dist. Rewa (MP)**

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 365), Village - Padiya, Tehsil - Huzur, Dist. Rewa (MP) 1.053 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 letter No. 612 dated: 14/02/19 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. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
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Canal	>180	North -East
Pakka Road	>150	South

After presentation the committee asked to submit following details:

- Revised water balance Chart.
- Revised EMP & CER activities as suggested during meeting by the committee.

Vide letter dated 30.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 8,088 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.44 Lakh as capital and Rs 1.88 Lakh/year and under CSR Rs. 0.40 Lakh/years.

**15. Case No. - 5999/2019 Shri Lokendra Singh, Village - Badera, Tehsil - Pawai, Dist. Panna Prior Environment Clearance for Flag Stone Quarry in an area of 1.06 Ha. (3003 cum per annum) (Khasra No. 22/1, 25/1), Village - Kaimuria, Tehsil - Pawai, Dist. Panna (MP)**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 22/1, 25/1), Village - Kaimuria, Tehsil - Pawai, Dist. Panna (MP) 1.06 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 Order No. 2023/11/M/03/06/18 dated: 13/09/18 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.15 ha., including this mine.

The case was presented by the PP and their consultant. PP stated that the lease is in two part, and no blasting is proposed. During scrutiny of the case file it was found that DFO letter vide no. 389 dated 22.01.2019 stated that the forest area is falling within 50 meter of the lease area however; PP has obtained NOC from Divisional Level Forest Committee in their meeting dated 24/03/2018. Through Google image based on coordinates provided by PP, following features were observed within 500 meters of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
Canal	>180	North -East
Pakka Road	>150	South

After presentation the committee asked to submit following details:

- Revised water balance Chart.
- Revised EMP & CER activities as suggested during meeting by the committee.

Vide letter dated 30.03.2019, PP has submitted the desired information, which was placed before the committee. After deliberations, the EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flag Stone 3,003 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 2.73Lakh as capital and Rs 1.18 Lakh/year and under CSR Rs. 0.15 Lakh/years.

**16. Case No. - 6001/2019 M/s Double Fortune Pvt Ltd, Plot No. 62, 2nd floor, Okhla Industrial Estate, Phase-3, New Delhi Prior Environment Clearance for Flagstone Quarry in an area of 4.99 ha. (Flagstone - 7959 cum per annum, Salable Waste Material - 3000 cum per annum) (Khasra No. 5/2), Village - Jajer Raiyatwari, Tehsil - Banda, Dist. Sagar (MP)**

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5/2), Village - Jajer Raiyatwari, Tehsil - Banda,

Dist. Sagar (MP) 4.99 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 letter No. 173 dated: 22/01/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 9.98 ha., including this mine.

Committee after deliberations decided that being it's a case of Flagstone Quarry Mine with total area of 9.98 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. The lease is surrounded by vast forest area discuss forest inventory with their girth details if falling within lease area.
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. Explore such evacuation road that should be left minimum disturbance to surrounding forest area.
4. Plan of details of OB disposal as generation of OB Flagstone is enormous.
5. River Dhasan is in vicinity of the proposed lease, study drainage system of the river.
6. Detailed study of ground vibration and fly rocks shall be done.
7. Transportation plan & traffic management plan should be discussed in the EIA report.
8. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
9. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
10. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
11. Year wise details of minerals already excavated till date should be submitted with EIA report.
12. Commitment of PP that no production since 2006 shall also be attached with the EIA report.
13. Level of mechanization should be discussed in the EIA report.
14. Hydro geological study should be carried out if ground water intersection is proposed.

15. Top soil management plan should be addressed in EIA report.
16. Input data of modeling should be addressed in EIA along with this all back up calculation.
17. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report and monitoring should be conducted in consultation with the regional officer of the MP Pollution Control Board.
18. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
19. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
20. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
21. PP would follow environmental extend rules.

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

**(Dr. A.K. Sharma)**  
Member

**(Dr. J. P. Shukla)**  
Member

**(Dr. Sonal Mehta)**  
Member

**(Mohd. Kasam Khan)**  
Chairman

**Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:**

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murrum and Soil quarries:**

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
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/competent authority.
10. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
11. 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. 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. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. 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.

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. 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.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

**Annexure- 'B'**

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

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
2. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
3. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
4. 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 trolleys (tractor trolleys) and not by heavy vehicles. Only registered tractor trolleys 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.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
7. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
8. No Mining shall be carried out during Monsoon season.
9. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
10. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC ensuring 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.
11. 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.
12. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
13. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.

14. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
15. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
16. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
17. 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. 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.
18. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
19. 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.
20. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
21. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
22. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
23. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

**Annexure- 'C'**

**Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.

8. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
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 mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. 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. 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.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. 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.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. 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.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure 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. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report.



3. 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.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. 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.
12. 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.
13. Grant of TOR does not mean grant of EC.
14. 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. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. 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.
16. 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.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. 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.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. 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.
22. 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.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.

**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.**

25. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
26. Detailed analysis of availability and quality of the drinking water resources available in the block.
27. 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.
28. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.