

The 424th meeting of the State Expert Appraisal Committee (SEAC) was held on 12th February, 2020 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.
5. Shri R. S. Kori, Secretary.

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

1. **Case No. - 5929/2019 M/s. Mangal Murti Minerals, Shri Mohit Agrawal, 99, Bahadarpur Road, Burhanpur, MP – 450331 Prior Environment Clearance for Red Ochre & Basalt Mine (Dimensional Stone) in an area of 19.60 Ha. (Red Ochre – 21,000 cum per annum, Basalt – 3,000 cum per annum) (Khasra No. 143, 181, 183, 184 & 192), Village- Dabalikhurd, Tehsil - Nepanagar, Dist. Burhanpur (MP). EIA Consultant: M/s. Apex Mintech Consultants.**

This is case of Red Ochre & Basalt Mine (Dimensional Stone). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 143, 181, 183, 184 & 192), Village- Dabalikhurd, Tehsil - Nepanagar, Dist. Burhanpur (MP) 19.60 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was presented by PP and their consultant in 350th SEAC Meeting dated 15/03/2019, wherein ToR was recommended

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 3852 dated 08/01/2020.

The case was scheduled for the presentation in 417th SEAC meeting dated 22/01/2020 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 presented by PP and their consultant wherein following project details were submitted by PP;

- Initially, prospecting lease was sanctioned by Government of Madhya Pradesh, Mineral Resource Department; Bhopal vide its letter No. F – 2-31/2014/12/2 Bhopal dated 24.05.2014 to M/s Mangal Murti Minerals (Khasra No. 143, 155, 158, 159, 181, 183, 184 & 192), having an area of 34.290 Ha., for mineral Red Ochre and Laterite for two years. In compliance of sanctioned prospecting license, agreement had been signed between project proponent and District Collector; Burhanpur on 19.06.2014, period of prospecting license is valid up to 19.06.2014 to 18.06.2016.
- Subsequently, a Letter of Intent has been issued by the Under Secretary Mineral Resource Division, Government of Madhya Pradesh vide its letter No. F-3-51/2018/12/1 dated 11.09.2018 for grant of mining lease over an area of 19.60 Ha., within Khasra Nos. 143,181,183,184 & 192 for the minerals Red Ochre & Dimensional Stone (Basalt) for a period of 30 years, under Rule 18 (2) of Madhya Pradesh Minor Mineral Rules 1996.
- The Mining Plan with Progressive Mine Closure Plan has been approved under Rule 42 of Madhya Pradesh Minor Mineral Rules 1996, by The Director of Geology & Mining Madhya Pradesh Bhopal vide his letter no. 2268/M.Plan/Cell-1/Na Kra/51/2018, Bhopal Date 05.02.2019.
- The field studies for environmental attributes have been carried out during the period March, 2019 to May, 2019 representing the summer season, as per the guideline issued by the MoEF&CC.
- Public Hearing has been carried on 20.11.2019 as per the provisions of the EIA Notification, 2006.

Method of Mining: Mining is done by Semi mechanized open cast method. Normally 3m high benches are formed.

Basalt (Mineral Reject) in top layer is drilled by Jackhammer run by tractor compressor and controlled blasted. The deep hole drilling and blasting is done where the mineralized portion containing Basalt is broken by drilling 1.5 m deep holes with jack hammers, whereas the rock continuing only waste mineral is broken by drilling 3.5 m. deep holes with wagon drills. The blast holes are blasted with manually ANFO mixture being boosted by special gelatin.

Red Ochre (Mineral) in 2nd layer – The existence of Basalt of varying thickness intercepted by Red Ochre which makes mining work difficult. In order to extract maximum percentage of mineral, open cast semi mechanized method of mining will be started. Red Ochre mineral being very soft in nature so no blasting is required and only excavator use to extract the mineral. Shovel and dumpers are deployed in removing Basalt, which is hard in nature. The

height of benches is height of 3.00 m. The work will be concentrated in Red Ochre and Basalt mine at area in the lease and development and waste disposal.

Basalt Blockable (Mineral) – Blockable Basalt will be extracted by using rock breaker. Mineral soon will load into tippers by excavator and brought to mineral yard within the leasehold and dispatch to the market.

During presentation PP submitted that approx. 381654 cum of mineral reject (low grade basalt) and 178663 cum blockable basalt is proposed to be generated and as per their mine plan same shall be permitted to use for masonry stone or manufacturing of sand after getting necessary from competent authority such as department of mines & geology. After presentation the PP was asked to submit following information for further consideration of the project.

- Revised EMP proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any) as per the latest O.M dated 16/01/2020.
- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder as per the latest O.M dated 16/01/2020.
- Revised plantation species as suggested by the committee during presentation.

PP vide their letter dated 12.02.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. 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 Red Ochre & Basalt Mine (Dimensional Stone) in an area of 19.60 Ha. (Red Ochre – 21,000 cum per annum, Basalt – 3,000 cum per annum) (Khasra No. 143, 181, 183, 184 & 192), Village-Dabalikhurd, Tehsil - Nepanagar, Dist. Burhanpur (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.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone 381654 cum of low grade basalt and 178663 cum blockable basalt shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine for water sprinkling.
19. 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.
20. 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 total 6470 number of trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.

24. 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 1.5 m wide & 1.0 m deep.
25. The settling tank will be of size of 3.0 m wide, 5.0 m long & 3.0 m deep.
26. 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.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

S. No	Description	Area put to use at start of plan (in Ha.)	Area after 5 years (in Ha.)	End of the Mine Life
1.	Mining	0.1550	2.4600	17.421
2.	O.B. and waste dump	0.0000	0.8268	-
3.	Infrastructure	0.0000	0.0096	-
4.	Road	0.0000	0.0324	-
5.	Green belt	0.0000	0.3500	2.179
6.	Mineral stack	0.0000	0.1822	-
7.	Mineral Reject	0.0000	4.000	-
8.	Water reservoir	-	-	17.421*
9.	Used area	0.1550	7.8610	-
10.	Unused area	19.4450	11.739	-
	Total lease area	19.60	19.60	19.60

29. 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.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 12.49 Lakh is proposed and Rs. 10.48 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 12.59 Lakh capital and 05.00 as recurring cost has proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CER activity, Rs. 5.10 Lakh /year have proposed for different activities and should be implemented through respective committees.
37. 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.
38. 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.
39. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
40. PP will comply with all the commitments made vide letter dated 12.02.2020
41. 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 6735/2020 Shri Manoj Kumar Singh, R/o 8B/K.K. 25 Krishna Puram, Devnagar, Dist. Agra, UP. Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (1,10,000 cum per annum) (Khasra No. 523), Village - Bilharikalan, Tehsil - Datia, Dist. Datia (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 523), Village - Bilharikalan, Tehsil - Datia, Dist. Datia (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 Collector Office letter no 735 dated 15/10/15 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 11.80 ha including this mine.

The case was scheduled for the presentation in 420th SEAC meeting dated 27/01/2020 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 presented by PP and their consultant wherein during presentation it observed that Environmental clearance (EC) for a production of 25,000 cum of stone (gitty) per year has been obtained from DEIAA, vide letter no. Q/Khanij/3-6/DEIAA/36833/2015 Datiya on 8/6/2016. Now it is proposed to enhance the production of stone (gitty) to 1,10,000 cum per year. Therefore, a fresh EC is required to be obtained from SEIAA (M.P.) For this purpose a modified mining plan for producing 1,10,000cum stone (gitty) per annum has been approved by Regional Head Department of Geology & Mining Madhya Vide his letter no. 51/M.Plan Cell/Na. Kra. 1/2018-19 Gwalior Date 29. 01.2019. PP was also instructed to obtain compliance report of earlier EC conditions from competent authority.

Being it's a case Stone with total area of 11.80 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. As per the Google image based on the co-ordinates submitted by the PP, a water body can be seen within lease area, for this PP submits that this is old quarry pit. Committee further observed that bunding can be seen through the Google image for which PP submitted that it's a kachha road developed by villagers for crossing the lease. Hence committee after deliberation decided to carry-out site visit of this area in order to verify the facts and ToR shall be recommended after site visit.

3. Case No. - 5808/2018 Shri Vidya Prakash Shrivastava, Proprietor, Indira Nagar, Dist. Rewa, MP Prior Environment Clearance for Laterite Quarry in an area of 10.433 Ha. (20,000 ton per annum) (Khasra No. 34) at Village- Dongariha, Tehsil - Simaria, Dist. Rewa (MP).

This is case of Laterite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 34) at Village- Dongariha, Tehsil - Simaria, Dist. Rewa (MP) 10.433 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, District Survey Report, information of the leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 9797 dated: 22/10/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

This case was again scheduled for the presentation in 374th SEAC meeting dated 25/05/2019, 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. Earlier PP was also absent in the 352nd SEAC meeting dated 18/03/2019, 342nd SEAC meeting dated 18/02/2019 & 340th SEAC meeting dated 30/01/2019. 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.

SEIAA vide letter no 4158 dated 25/01/2020 has forwarded this case by stating that: PP vide letter dated 30/12/2019 has submitted the revised Form-1 & PFR and requested to relist the case.

Based on above submission this case was placed before committee for presentation and discussion, 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.

4. Case No 6765/2020 Smt. Reeta Singh, Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.20 ha. (29,998 cum per annum) (Khasra No. 2307), Village - Prakash Bamhori, 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. 2307), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.20 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 Nayab Tehsildar letter No. 162 dated: 03/01/2020 has reported that

there are 01 more mines operating or proposed within 500 meters around the said mine total area of 12.20 ha., including this mine.

Salient features of this project:

Mine Description	New Lease
Name of the Mineral	Granite Stone
Location	Khasra No: - 2307 near Village-Prakash Bamhauri, Tehsil-Gaurihar, District-Chhatrapur, State- Madhya Pradesh.
Toposheet	63C/3
Type of Land	Private Land
Lease Area	2.20 Ha
Lease Period	10 years
Geological Reserves	313500 Cum
Mineable Reserves	1,94,584 Cum
Production Capacity	29,998 Cum/year
Avg. Bench Configuration	3x5
Mining Method	Open cast semi mechanized method with controlled drilling and blasting with sand bags.
Avg. Soil Availability	0.20m
Water table	40 to 45m below ground level i.e. 163m
Man Power	15 Nos.
Life of Mine	7 years
Project Cost	Rs. 30.00 lakhs
CER Cost	Rs.-60,000/-

The case was presented by PP and their consultant wherein PP has submitted the salient features of this project. Committee after deliberations decided that being it's a case Stone Quarry with cluster area of > 5.00 ha 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. PP shall submit inventory of these trees with details of girth, species, photographs, and further plan for protection.
2. Proposed evacuation route with gradient shall be discussed in the EIA report.
3. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
4. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
5. Proposal for pucca evacuation road with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
6. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devises, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.
7. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.

5. Case No 6766/2020 Shri Yogendra Singh, Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 1.117 ha. (30,000 cum per annum) (Khasra No. 2303), Village - Prakash Bamhori, 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. 2303), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.117 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. 20 dated: 02/01/2020 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine total area of 18.617 ha., including this mine.

Salient features of this project:

Mine Description	New Lease
Name of the Mineral	Granite Stone
Location	Khasra No: - 2303 near Village-Prakash Bamhauri, Tehsil-Gaurihar, District-Chhatrapur, State- Madhya Pradesh.
Toposheet	63C/3
Type of Land	Govt. Waste Land
Lease Area	1.117 Ha
Lease Period	10 years
Geological Reserves	2,22,841 Cum
Mineable Reserves	1,36,210 Cum
Production Capacity	30,000 Cum/year
Mining Method	Open cast semi mechanized method with controlled drilling and blasting with sand bag.
Stripping Ratio	1:0.05
Man Power	15 Nos.
Life of Mine	Approx. 5 years
Project Cost	Rs. 30.00 lakhs
CER Cost	Rs.-60,000/-

The case was presented by PP and their consultant wherein PP has submitted the salient features of this project. Committee after deliberations decided that being it's a case Stone Quarry with

cluster area of > 5.00 ha 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. PP shall submit inventory of these trees with details of girth, species, photographs, and further plan for protection.
 2. Proposed evacuation route with gradient shall be discussed in the EIA report.
 3. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
 4. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
 5. Proposal for pucca evacuation road with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
 6. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devises, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.
 7. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.
6. **Case No 6747/2020 Shri Mukhtiyar Gadwi, R/o Multanpura, Tehsil & Dist. Mandsaur, and M.P Prior Environment Clearance for Shale Stone Quarry in an area of 0.880 ha. (1,800 MT per annum) (Khasra No. 1676, 1677, 1678, 7679, 1718), Village - Kanaghathi, Tehsil - Malhargarh, Dist. Mandsaur (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1676, 1677, 1678, 7679, 1718), Village - Kanaghathi, Tehsil - Malhargarh, Dist. Mandsaur (MP) 0.880 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 Officer letter no 2150 dated 10/12/19 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 in 421th SEAC meeting dated 28/01/2020 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 presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Habitation	70	North	No drilling, blasting is proposed

During presentation an existing pit is seen through Google image for which PP submitted that it is an old mine pit and no mining is carried-out since 2013. PP further submitted that mining operation will be carried out by manual opencast method with the help of JCB, tractors etc without blasting. Mineral shale stone will be loaded by manual in tractor and reach factory. The mine will be attaining a depth of about 9m in plan period of 5 years. After presentation the committee asked to submit following details:

- Revised EMP by replacing water sprinkling system by tanker and proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any)
- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder.

PP has submitted the response of above quarries same date vide letter dated 12.02.2020, 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 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 Shale Stone – 1,800 MT per annum.

2. A budgetary provision for Environmental management Plan of Rs. 8.15 Lakh as capital and Rs. 2.65 Lakh/year. Under CER Rs. 0.60 Lakh/ year has proposed.

7. Case No. – 6717/2019 Smt. Santo Choursiya, Near Village Biloua, Tehsil - Dabra, Dist. Gwalior, MP. Prior Environment Clearance for Stone Quarry in an area of 1.214 ha. (30,000 cum per annum) (Khasra No. 3624/1), Village - Biloua, Tehsil - Pichhore, Dist. Gwalior (MP).

This is case of Stone. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3624/1), Village - Biloua, Tehsil - Pichhore, Dist. Gwalior (MP).1.214 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's Office letter dated 07.04.2016 has reported that there are (not mentioned) more mines operating or proposed within 500 meters around the said mine total area of 10.264 ha., including this mine.

The case was scheduled for presentation, 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. PP was also absent in the 417th SEAC meeting dated 22/01/2020. 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.

8. Case No 6789/2020 Smt. Anju Choudhari, Keolari, Dist. Seoni, MP. Prior Environment Clearance for Crusher Stone Quarry in an area of 4.00 ha. (60,000 cum per annum) (Khasra No. 315 Part), Village - Bichhuaraiyat, Tehsil - Keolari, Dist. Seoni (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 315 Part), Village - Bichhuaraiyat, Tehsil - Keolari, Dist. Seoni (MP). 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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. 797 dated 02.12.2019 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine total area of 25.61 ha., including this mine.

Salient features of this project:

Mine Description	New
Name of the Mineral	Stone (Basalt)
Location	Khasra No: - 315 near Village Bichhuaraiyat, Tehsil Keolari, Distt. Seoni, State- Madhya Pradesh.
Toposheet	64 B/3
Type of Land	Private land
Lease Area	4.0 Ha
Lease Period	10 years
Geological Reserves	6,00,000 m ³
Mineable Reserves	4,36,993 m ³
Production Capacity	60,000 m ³ /year (maximum)
Avg. Bench Configuration	4x5
Ore to OB ratio	1:0.20
Mining Method	Open cast semi-mechanized mining method with drilling and controlled muffle blasting with sand bags.
Man Power	25
Life of Mine	7 years
Project Cost	Rs. 50 Lakhs
CER Cost	Rs.-1,00,000/-

The case was presented by PP and their consultant wherein PP has submitted that baseline monitoring for collecting data has already carried-out during October to December 2019. Committee after deliberations decided that being it's a case Stone Quarry with cluster area of > 5.00 ha 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. Copy of lease agreement letter is to be submitted by PP during final EIA presentation.
2. PP shall submit inventory of these trees with details of girth, species, photographs, and further plan for protection.
3. Proposed evacuation route with gradient shall be discussed in the EIA report.
4. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
5. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
6. Proposal for pucca evacuation road with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
7. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devises, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.
8. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.
9. **Case No. – 6485/2019 Smt. Sunayana Pandey W/o Shri Vinod Kumar Pandey, Village - Mahadeva, Post - Deora 1, Tehsil - Kotar, Dist. Satna, MP. Prior Environment Clearance for Murrum Quarry in an area of 1.60 ha. (10,000 cum per annum) (Khasra No. 02), Village - Bihara, Tehsil - Kotar, Dist. Satna (MP).**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 02), Village - Bihara, Tehsil - Kotar, Dist. Satna (MP) 1.60 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 Assistant Draftsmen (Mining Office-Satna) letter No. Nil dated: Nil has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.80 ha., including this mine.

The case was presented by PP and their consultant in 391st SEAC meeting dated 28/08/2019, wherein it was recorded from the Google image that this allotted lease is on hillock and some

pit like structures can be seen on approximately > 75 % of lease area which might be dugged for plantation by Gram Sabah of gram panchayat. Committee after deliberation decided that PP should submit revised NOC of Gram Sabha with details about what are those pits like structures on lease area along with drone videography of complete lease area for further consideration of this project.

PP vide letter dated 24/01/2020 has submitted the reply of above raised queries in 391st SEAC meeting dated 28/08/2019 along with drone videography of lease area, which was placed before committee.

The case was presented by PP and their consultant wherein PP has presented the drone videography of complete lease area according to which it appears that trenches are dugged-out in proper way to conserve water, hence mining in this area shall not be permitted. Committee after deliberation decided that leaving this area as non-mining zone approximately 0.80ha of area shall be available for mineral excavation; hence PP shall submit the commitment with revised surface map by clearly showing the non-mining area towards trenches for further consideration of this project.

10. Case No 6796/2020 Shri Naval Kishore Baghel S/o Shri Nemi Singh Baghel, Mu. PO. Lakhnawada, Tehsil - Seoni, Dist. Seoni, MP – 480661 Prior Environment Clearance for Stone Quarry in an area of 3.00 ha. (20,064 cum per annum) (Khasra No. 187), Village - Phulara, Tehsil - Seoni, 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. 187), Village - Phulara, Tehsil - Seoni, Dist. Seoni (MP) 3.00 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 Collector Office letter No. 888 dated: 20/12/19 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 and discussion, 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.

11. Case No 6797/2020 M/s Eagle Mining Minerals, Smt. Sadhana Khare, Partner, Village - Mankasra, Tehsil - Sihora, Dist. Jabalpur, MP – 483225 Prior Environment Clearance for Murrum and Crusher Stone Quarry in an area of 2.850 ha. (6,000 cum per annum) (Khasra No. 263/1 Parts), Village - Mankasra, Tehsil - Sihora, Dist. Jabalpur (MP).

This is case of Murrum and Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 263/1 Parts), Village - Mankasra, Tehsil - Sihora, Dist. Jabalpur (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 letter No. 2863 dated: 26/06/18 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive other sensitive features:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	28	South- East	<ul style="list-style-type: none">• Setback of 20 meters (including 7.5 m of barrier zone) in lease from the road shall be maintained.• Orientation of mine shall be from North East to South West
Trees (12-15)	Within lease	North- East	<ul style="list-style-type: none">• Commitment that no tree falling is proposed.• Commitment that PP shall maintain NE part as non-mining zone.

PP further stated that no tree cutting is proposed during whole mining activity and this part will be non mining zone. Committee after deliberation recommended that PP shall submit

commitment that mine shall advance from North East to South West. After presentation the committee asked to submit following details:

- Commitment that no tree falling is proposed and PP shall maintain North-East part as non-mining zone.
- Revised details of water requirement for plantation.
- Revised plantation species by adding □□□□, बरगद , □□□□□□□□ as suggested during presentation.
- Revised production map showing the orientation of mine shall from North East to South West.
- Revised EMP by replacing water sprinkling system by tanker and proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any)
- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder.

PP has submitted the response of above quarries same date vide letter dated 12.02.2020, 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 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 Murrum and Crusher Stone 6,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.77 Lakh as capital and Rs. 1.15 Lakh/year and under CER Rs. 0.32 Lakh has proposed.
3. PP shall maintain the setback of 20 meters (including 7.5 m of barrier zone) in lease from the road towards South- East direction.

12.Case No 6798/2020 Shri Kalua Adiwashi S/o SHri Gunda Adiwashi, R/o Barbaspora, Tehsil - Amanganj, Dist. Panna, MP – 488001. Prior Environment Clearance for Flagstone Quarry in an area of 1.020 ha. (4,000 cum per annum) (Khasra No. 205), Village - Kutmi Bandora, Tehsil - Pawai, Dist. Panna (MP).

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 205), Village - Kutmi Bandora, Tehsil - Pawai, Dist. Panna (MP) 1.020 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. 855 dated: 30/05/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 2.32 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 within 500 meters following sensitive other sensitive features-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Seasonal Nalla	>250	West	Provision of Garland drain & settling tanks.
Hutments	>120	North	No drilling and blasting proposed

PP further stated that the method of mining will be open cast manual as it is flagstone mining no drilling and blasting is proposed. Mining will done by development of benches of 3x 3m Height and width respectively. After presentation the committee asked to submit following details:

- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder.

PP has submitted the response of above quarries same date vide letter dated 12.01.2020, 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 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 Flagstone 4,000 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 4.25 Lakh as capital and Rs. 1.38 Lakh/year and under CER Rs. 0.23 Lakh/ year has proposed.

13. Case No 6794/2020 Shri Santosh Nayak, Village - Gudali, Tehsil - Meghnagar, Dist. Jhabua, MP – 457772 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (24,832 cum per annum) (Khasra No. 68), Village - Tejpura, Tehsil - Thandla, Dist. Jhabua (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 68), Village - Tejpura, Tehsil - Thandla, Dist. Jhabua (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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. 690 dated: 28/06/19 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 and discussion, 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.

14. Case No 6742/2020 Shri Kapoor Singh Gurjar, R/o Nainagarh Road, Back Hostel, Siddh Nagar, Dist. Morena, MP. Prior Environment Clearance for Stone Quarry in an area of 3.25 ha. (90,000 cum per annum) (Khasra No. 3000, 3001, 3002, 3190), Village - Dhanela, Tehsil - Morena, Dist. Morena (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3000, 3001, 3002, 3190), Village - Dhanela, Tehsil - Morena, Dist. Morena (MP) 3.25 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 258 dated 14/11/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, 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. PP was also absent in the 420th SEAC meeting dated 27/01/2020. 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.

15. Case No 6741/2020 Shri Lakhan Singh Yadav, Village - Laxmanpura, Tehsil - Seondha, Dist. Datia. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (60,000 cum per annum) (Khasra No. 434/1), Village - Richhara, Tehsil - Datia, Dist. Datia (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 434/1), Village - Richhara, Tehsil - Datia, Dist. Datia (MP) 4.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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 989 dated 22/06/19 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 in 420th SEAC meeting dated 27/01/2020 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 presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	20	West	<ul style="list-style-type: none">Setback of 30 meters (including 7.5 m of barrier zone) in lease

			<p>from the road shall be maintained.</p> <ul style="list-style-type: none"> • Orientation of mine shall be from West to East
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During presentation an existing pit is seen through Google image for which PP submitted that it is an old mine pit and no mining is carried-out since 2013-2014 and PP has shown this pit on surface map. It is proposed to carry out mining operation by semi mechanized opencast method with the help of Hydraulic Excavator, dumpers, etc. The mine will attain a depth of about 21 meters after period of 5 years. The mine will be developed by forming benches of 3 meter high. After presentation the committee asked to submit following details:

- Revised production map showing orientation of mine shall be from West to East.
- Revised EMP with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any)
- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.

PP has submitted the response of above quarries same date vide letter dated 12.02.2020, 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 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 – 60,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 25.16 Lakh as capital and Rs. 2.33 Lakh/year. Under CER Rs. 1.00 Lakh/ year has proposed.
3. PP shall maintain the setback of 30 meters (including 7.5 m of barrier zone) in lease from the road towards West direction.

16. Case No 6795/2020 Shri Rajesh Sharma S/o Shri Ramswaroop Sharma, 211, Ward No. 08, Village - Malanpur, Tehsil - Gohad, Dist. Bhind, MP – 477117 Prior Environment Clearance for Stone Quarry in an area of 1.045 ha. (Expansion from 12,000 to 39,958 cum per annum) (Khasra No. 272), Village - Bhattapura Brahman, Tehsil - Gwalior, Dist. Gwalior (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 272), Village - Bhattapura Brahman, Tehsil - Gwalior, Dist. Gwalior (MP) 1.045 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 (Ekal Praman-Patr) letter No. QL 99 dated: 08/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation it was observed that mining of 1.045 hect. will be undertaken using bench method. All mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 1no.-JCB (3dx), 5no. dumpers (TATA) 1no. – pocklane. Since it is a case of expansion in production capacity from 12,000 to 39,958 cum per annum, PP shall submit the copy of certified compliance of earlier EC conditions along with following details:

- Revised CER by adding construction of boundary wall in nearest school as suggested by the committee during presentation.
- Copy of certified compliance of earlier EC conditions is to be submitted by PP.

17. Case No 6793/2020 Shri Tikam Singh, Gram - Khodi Useth, Tehsil -Parosa, Dist. Morena, MP Prior Environment Clearance for Sand Quarry in an area of 2.096 ha. (58,200 cum per annum) (Khasra No. 2053), Village - Useth, Tehsil - Porsa, Dist. Morena (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2053), Village - Useth, Tehsil - Porsa, Dist. Morena (MP) 2.096 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. 220 dated: 28/01/2020 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 and discussion, 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.

DISCUSSIONS BASED ON SITE VISIT REPORTS/QUERY REPLY SUBMITTED BY PP.

18. SITE INSPECTION REPORT OF STONE/BASALT MINES LOCATED IN CHHATARPUR DISTRICT AND HAVE APPLIED FOR GRANT OF TOR/ENVIRONMENTAL CLEARENCE (EC)

BACKGROUND

Following cases of stone/ basalt mining have applied for grant of TOR/EC through SEIAA, MP and the case files were forwarded to SEAC, MP for appraisal and during appraisal of these cases it was decided by committee to carryout site inspection of these mines as most of the cases are of > 5.00 ha area or falling under the cluster situation and located on higher elevation i.e. hill / hillock:

SL.NO.	Details of Mines	Remarks
1.	Case No. – 6547/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	02 more mine operating or proposed within 500 meters around the said mine total area of 9.122 ha., including this mine.
2.	Case No. – 6548/2019 M/s Rajey Minerals,	02 more mine operating or

	Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	proposed within 500 meters around the said mine total area of 9.122 ha., including this mine.
3.	Case No. – 6536/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Mine in an area of 5.30 ha. (2,50,000 cum per annum) (Khasra No. 689), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	07 more mine operating or proposed within 500 meters around the said mine total area of 24.00 ha., including this mine.
4.	Case No. – 6545/2019 Smt. Sangeeta Gupta W/o Shri Pannalal Gupta, Vivek Nagar, Dist. Kabrai, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (26,930 cum per annum) (Khasra No. 1348(P)), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	09 more mine operating or proposed within 500 meters around the said mine total area of 23.40 ha., including this mine.
5.	Case No. – 6546/2019 Ms. Sangeeta Gupta, R/o Village - Kabrai, Dist. Mahoba, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (81,56 cum per annum) (Khasra No. 151(P)), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP)	04 more mine operating or proposed within 500 meters around the said mine total area of 9.616 ha., including this mine.
6.	Case No 6756/2020 Shri Dharmendra Singh Tomer S/o Shri Betal Singh, C-99, Govindpuri, Thatipur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (42,208 cum per annum) (Khasra No. 249), Village - Churiyari, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	No more mines operating or proposed within 500 meters around the said mine.

Dr. Anil Sharma and Dr. Mohd. Akram Khan, Member, SEAC M.P., visited the site on 04/02/2020 along with Dr. Abhaya K. Saxena, Senior Scientific Officer, MPPCB, Bhopal, Mr. Anand Gupta, Environmental Consultant, Mr. Ashok Thakur, RQP & PP's/Representatives of some mines owners, nearby villagers were also present during site visit.

1. **Case No. – 6547/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

AND

2. **Case No. – 6548/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

These are cases of Stone Quarry located on a hillock adjacent to each other with combined production capacity of 04.00 laks cum/year. Both the leases belongs to one company i.e. M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. The case for grant of TOR was presented by the PP and their consultant in the 403rd SEAC meeting dated 06/11/2019. 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 where lease area is falling is having height of approximately 27 meters (Highest elevation 173 m R.L & Lowest elevation = 146 m R.L)
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involving 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 area.

PP and their consultant has no explanation how the mining will be carried out in such situation where the height of hill is approx. 27 meters and what are the sensitive features around the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

During site visit it was observed that the site is located on a hillock of approx 25 to 30 meters and on hilltop outcrops/fractured stone and on foot hill Murrum can be seen on site. No trees were observed within the lease on hilltop however, some trees were in existence on the foothill. A kachha entry road exists for approach to the mine site. No mining activities were seen during site visit on this hillock. The site is located approximately 480 meters away from habitation on the southern side of the lease.

After inspection, committee recommends that following additional TORs shall be added in the Standard TOR prescribed by MoEF&CC to carryout EIA studies:

1. Proposed evacuation route with gradient shall be discussed in the EIA report as site is located on a hillock of 25 to 30 meters high.
2. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
3. Actual distance of site from school and isolated habitations with their protection plan shall be submitted in EIA report.
4. Proposed depth of mine from ground level and if ground water intersection is envisaged geo-hydrological studies shall be carried out.
5. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
6. Some trees are in existence on the foothill of the lease area and thus their inventory and protection plan shall be discussed in the EIA report.
7. Site specific issues related to slope stability and deployment of men and machine shall be addressed in the EIA report.
8. Proposal for pucca evacuation road (to carry 40 MT truck load) with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
9. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.

10. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devices, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.

3. **Case No. – 6536/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Mine in an area of 5.30 ha. (2,50,000 cum per annum) (Khasra No. 689), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Stone Quarry and the lease belongs to M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. The case for grant of TOR was presented by the PP and their consultant in the 403rd SEAC meeting dated 06/11/2019. 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 where lease area is falling is having height of approximately 45 meters (Highest elevation 200 m R.L & Lowest elevation = 155 m R.L)
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involving 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.
- Human settlement on the North and East side.
- A water body on the southern side.

PP and their consultant has no explanation how the mining was carried out in such situation where the height of hill is approx. 45 meters and what are the sensitive features around the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

During site visit it was observed that the site is located between two hillocks and with highest point at approx 45 meters. Some trees within the lease and its foot hill were observed. A kachha entry road exists for approach to the mine site for which PP informed that mandatory 50 meters non mining zone is already left by the lease sanctioning authority. No mining activities were seen during site visit on this hillock. The site is

located approximately 100 meters away from habitation on the north-east side of the lease. A water body also exists on the north-west side of the lease.

After inspection, committee recommends that following additional TORs shall be added in the Standard TOR prescribed by MoEF&CC to carryout EIA studies:

1. Proposed evacuation route with gradient shall be discussed in the EIA report as site is located on a hillock of approx.45 meters high.
2. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
3. Actual distance of site from habitation and water body with their protection plan shall be discussed in EIA report.
4. Proposed depth of mine from ground level and if ground water intersection is envisaged geo-hydrological studies shall be carried out.
5. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
6. Site specific issues related to slope stability and deployment of men and machine shall be addressed in the EIA report.
7. Some trees are in existence in the lease area and thus their inventory and protection plan shall be discussed in the EIA report.
8. Proposal for pucca evacuation road (to carry 40 MT truck load) with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
9. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.
10. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devises, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.

4. Case No. – 6545/2019 Smt. Sangeeta Gupta W/o Shri Pannalal Gupta, Vivek Nagar, Dist. Kabrai, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (26,930 cum per annum) (Khasra No. 1348(P)), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP).

This is case of Stone Quarry at ((Khasra No. 1348(P)), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.00 Ha. The case for grant of TOR was presented by the PP and their consultant in the 403rd SEAC meeting dated 06/11/2019. 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:

- The mine area is already excavated and two large pits can be distinctly seen in the Google image (Feb. 2019) and in the same image movement of trucks in the lease area is also seen.
- Committee also observed that within 500 meters there are 03 human settlements on the east side of the lease area.
- Also to carry out mining of stone on a hillock where gradient is high involves safety and mechanical risks.

PP and their consultant have no explanation how the mining was carried out without having EC and what are the sensitive features around the lease. Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

During site visit it was observed that the site is located on hillock and a kachha entry road exists for approach to the mine site. The site is located approximately 350 meters away from habitations on the north-east side of the lease. A water body also exists on the north-east side of the lease approx 300 meters away. On the northern and eastern side of the lease habitations are in existence. No mining activities were seen during site visit on this lease however, mining operations on adjacent lease were carrying out. PP submitted that this mine was allocated to them in 2011 with one existing mined out pit and then they have not carried out any mining on this area. PP further submitted that some unauthorized persons/villagers are carrying out the mining on this lease and have created another pit in the lease for which they have informed to District Administration vide their letter dated 24/10/2011. (Annexure-1)

After inspection, committee recommends that following additional TORs shall be added in the Standard TOR prescribed by MoEF&CC to carryout EIA studies:

1. Proposed evacuation route with gradient shall be discussed in the EIA report as site is located on a hillock of 25 to 30 meters high.
2. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
3. Actual distance of site from habitations with their protection plan shall be submitted in EIA report.

4. Actual details of existing pits on the lease with the volume of stone already excavated.
5. Proposed depth of mine from ground level and if ground water intersection is envisaged geo-hydrological studies shall be carried out.
6. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
7. Proposal for pucca evacuation road (to carry 40 MT truck load) with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
8. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.
9. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devises, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.

5. Case No. – 6546/2019 Ms. Sangeeta Gupta, R/o Village - Kabrai, Dist. Mahoba, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (81,56 cum per annum) (Khasra No. 151(P)), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Stone Quarry located at (Khasra No. 151(P)), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.80 Ha. The case for grant of TOR was presented by the PP and their consultant in the 403rd SEAC meeting dated 06/11/2019. 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 where lease area is falling is having height of approximately 56 meters.
- Also to carry out mining of stone is in such a peculiar situation where gradient is to high involving 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 area.

PP and their consultant has no explanation how the mining will carried out in such situation where the height of hill is approx. 56 meters and what are the sensitive features around the lease.

Thus committee after deliberations decided to carryout site visit by a sub-committee of this mine and TOR will be recommended after the site visit report.

During site visit it was observed that the site is located on hillock and a kachha entry road exists for approach to the mine site. The site is located approximately 200 meters away from habitations on the western side of the lease. No mining activities were seen during site visit on this lease. Some trees do exist on the lease. After inspection, committee recommends that following additional TORs shall be added in the Standard TOR prescribed by MoEF&CC to carryout EIA studies:

1. Proposed evacuation route with gradient shall be discussed in the EIA report as site is located on a hillock of 50-58 meters high.
2. Difference between top most RL and ground RL shall be provided in the EIA report to assess the actual height of the hill.
3. Actual distance of site from habitations with their protection plan shall be submitted in EIA report.
4. Proposed depth of mine from ground level and if ground water intersection is envisaged geo-hydrological studies shall be carried out.
5. Inventory of existing trees shall be provided in the EIA report.
6. Proposal for extensive green belt plan considering the high volume of mining shall be provided in EIA report.
7. Site specific issues related to slope stability and deployment of men and machine shall be addressed in the EIA report.
8. Proposal for pucca evacuation road (to carry 40 MT truck load) with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
9. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.
10. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devices, water sprinkling arrangements, wind breaking wall etc and the complete details shall be furnished with EIA report.

6. Case No 6756/2020 Shri Dharmendra Singh Tomer S/o Shri Betal Singh, C-99, Govindpuri, Thatipur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (42,208 cum per annum) (Khasra No. 249), Village - Churiyari, Tehsil - Gaurihar, Dist. Chhatarpur (MP).

This is case of Stone Quarry located at (Khasra No. 249), Village - Churiyari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.50 ha.

The case was presented by the PP and their consultant in the 420th SEAC meeting dated 27/01/2020 wherein during presentation as per Google image based on coordinates provided by PP committee observed that some part of the QL area is mined out as a pit can be seen. PP submitted that this mining was done under Pradhan Mantri Gramin Sadak Yojna for road construction and this work was done in the year 2016-17. Committee after deliberation decided that site visit may be carried out to ascertain any violation has done than after this case may be appraised.

During site visit it was observed that the site is located on hillock and a kachha road exists to approach the mine site. However, PP has to construct approx. 75-100 meters road to reach mine site for mineral evacuation. The site is approx. approximately 350 to 400 meters away from the pucca road and habitations on the western side of the lease. During site visit it was observed by the committee that mining activities were carried out on this site and a pit is in existence on the lease area on the southern side. PP submitted that this pit was created in the year 2016-17 for evacuation of soil and Murrum for road construction work under Pradhan Mantri Gramin Sadak Yojna and for proof produced a letter issued by Mr. Prabhu Dayal, Sarpanch Gram Panchayat- Churyari, Gaurihar, District Chhatarpur vide No. 10 dated 25/01/2020 stating that this evacuation was done by the contractor for making road from Churyari to Kirathpurkala in the year 2016-17 under Pradhan Mantri Gram Sadak Yojna. (Annexure-2) During site visit the Sarpanch and villagers were also called by the committee for confirmation of the statement made by the PP and a Panchnama was also made signed by all who present during site visit. (Annexure-3) From the statement of Sarpanch and villagers it appears that the lease was excavated under Pradhan Mantri Gramin Sadak Yojna in the year 2016-17 and later on this lease was sanctioned to the present PP in the year 2018.

After site visit, committee asked PP to revised submit surface map showing the details of existing pit (with size & depth) and volume of mineral excavated from this lease for further consideration of this project.

The above report of committee (Annexure-1) was placed before the committee and was briefed to the committee members. The committee after deliberations approved the recommendations of the committee as follows:

SL.NO.	Details of Mines	Remarks
1.	Case No. – 6547/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior	TOR recommended as per the additional TOR points

	Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	suggested by committee and standard TOR prescribed by MoEF&CC.
2.	Case No. – 6548/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 655(P)), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	TOR recommended as per the additional TOR points suggested by committee and standard TOR prescribed by MoEF&CC.
3.	Case No. – 6536/2019 M/s Rajey Minerals, Sagar Road, Dist. Chhatarpur, MP – 471001. Prior Environment Clearance for Stone Mine in an area of 5.30 ha. (2,50,000 cum per annum) (Khasra No. 689), Village - Maheba, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	TOR recommended as per the additional TOR points suggested by committee and standard TOR prescribed by MoEF&CC.
4.	Case No. – 6545/2019 Smt. Sangeeta Gupta W/o Shri Pannalal Gupta, Vivek Nagar, Dist. Kabrai, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (26,930 cum per annum) (Khasra No. 1348(P)), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	TOR recommended as per the additional TOR points suggested by committee and standard TOR prescribed by MoEF&CC.
5.	Case No. – 6546/2019 Ms. Sangeeta Gupta, R/o Village - Kabrai, Dist. Mahoba, UP – 210424. Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (81,56 cum per annum) (Khasra No. 151(P)), Village - Dhujaura, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	TOR recommended as per the additional TOR points suggested by committee and standard TOR prescribed by MoEF&CC.
6.	Case No 6756/2020 Shri Dharmendra Singh Tomer S/o Shri Betal Singh, C-99, Govindpuri, Thatipur, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (42,208 cum per annum) (Khasra No. 249), Village - Churiyari, Tehsil - Gaurihar, Dist. Chhatarpur (MP).	Query letter may be issued to PP for submitting revised surface map showing the details of existing pit (with size & depth) and volume of mineral excavated from this lease for further consideration of this project.

19. **Case No. – 6520/2019 M/s Tomar Builders and Contractors Pvt. Ltd, Dist. Gwalior, MP Prior Environment Clearance for Crusher Stone quarry in an area of 2.50 ha. (2,25,000 cum per annum) (Khasra No. 231), Village - Salmanya, Tehsil - Baroda, Dist. Sheopur (MP).**

This is case of Crusher Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 231), Village - Salmanya, Tehsil - Baroda, Dist.

Sheopur (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 Tehsildar Office) letter No. Q dated: 18/12/18 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.50 ha., including this mine.

This case was discussed in the 398th SEAC meeting dated 04/10/2019 wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural Drain	50	East	Provision of Garland drain & settling tanks.
Pond	150	South-West	-

All mining operations will be undertaken by Open Cast Semi-Mechanized Method. It is a case of Temporary Permit (TP) of 15 months. After presentation the committee asked to submit following details:

- Revised CER as suggested by the committee.
- Commitment of PP to carryout transportation through 40 MT truck load capacity to minimize the number of trips.
- Re-assess the number of trips/day with 40 MT loading capacity.
- Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides.
- Commensurate budget for evacuation route shall be provided in EMP.
- Commitment of PP that no evacuation shall be carried out from the village side.
- Protection plan for natural drain in existence on the eastern side of the lease.

The PP has submitted the replies of above queries vide their letter dated 03/01/2020 (received in SEAC on 25/01/2020) and the same was placed before the committee for query reply discussions. During examination of case file and query reply submitted by PP it was observed by the committee that it's a case of temporary permit and lease validity was extended from 26/09/2018 for 15 months by office of collector vide order dated 04/07/2019. As per above order, the validity of TP has already expired on 25/12/2019 and at present the lease for which PP has applied for grant of EC is not valid. Thus committee after deliberations decided that case may be referred to SEIAA for further necessary action/instruction on above issue as in the absence of valid lease, case cannot be considered for grant of EC.

(Dr. Sonal Mehta)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. J.P Shukla)
Member

(Dr. Anil Sharma)
Member

(R.S.Kori)
Secretary

(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/Murum 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.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. 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.
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. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. 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.
6. 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.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.

8. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
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 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.
12. 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.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. 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.
16. 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.
17. 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.
18. 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.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. 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.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. 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.
23. 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.
24. 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.
25. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

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.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

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. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
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.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

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.

27. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
28. Detailed analysis of availability and quality of the drinking water resources available in the block.
29. 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.
30. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.