

The 419<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 24<sup>th</sup> January, 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. Jai Prakash Shukla, Member.
4. Shri R. S. Kori, Secretary.

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

**1. Discussion on recent MoEF&CC O.M. no. F.No.22-34/2018-IA.III dated 16.01.2020**

Before commencement of the meeting, the recent MoEF&CC, O.M. no. F.No.22-34/2018-IA.III dated 16.01.2020 was placed before the committee wherein it is stated that an additional Environmental Clearance conditions shall be stipulated for mining projects with regards to re-grassing the mining lease area.

The above OM is issued as per the H'ble Supreme Court vide order dated 08.01.2020 in W.P. (Civil) no. 114/2014 in the matter of Common Cause Vs. Union of India wherein it has been directed that the area which has been mined should be restored so that grass and other vegetation including trees can grow in the mining area for the benefit of animals. In view of the above, may be stipulated in all:

***“The mining lease holders shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora fauna etc.”***

Committee deliberated on above issued and recommends that above condition shall be imposed on respective PPs in EC and for its compliance, in proposed EMP along with plantation, budget for re-grassing shall also be incorporated. Committee further recommends that re-grassing can also be undertaken by PP on the available grazing land nearby project site and suitable budgetary allocation shall also be made in CER budget.

**2. Case No.4192/15 Shri Sanjeev Kumar Pathak R/o Chanakyapuri, Semariya Chowk, P.O. & District-Satna (MP)-485001. Prior Environment Clearance for approval of Lakhanwah Limestone, Laterite & Reject Stone Mine in an area of 4.047 ha. (50,000 TPA) at Khasra No. - 298P, 299P, Village-Lakhanwah, Tehsil-Rampur Baghelan, District-Satna (MP).**

This is case of Limestone, Laterite & Reject Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No.- 298P, 299P, Village-Lakhanwah, Tehsil-Rampur Baghelan, District-Satna (MP) 4.047 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in 03<sup>rd</sup> SEAC-II meeting dated 04/02/2016. Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Any alternate route avoiding the nearby habitations.
5. Top soil management plan.
6. Compliance of the conditions of working permissions of DGMS.
7. Compliance of consent conditions issued by M. P. Pollution Control Board from the concerned Regional Officer.

This case was scheduled in 353<sup>rd</sup> SEAC meeting dated 19/03/2019 as the ToR validity of this case was lapse whereas it was recorded by the committee from the submitted documents that PP has submitted an application on 10.01.2019 with revised Form-I and PFR for reconsideration the case as per OM dated 29.08.2017 issued by MoEF&CC and requested to extend ToR validity for one year from the completion of three years, which was forwarded through SEIAA vide letter no 2561 dated 08/03/2019.

The case was presented by the PP and their consultant wherein during discussion PP informed that there is no change in the production and requested committee that in the light of the above notification dated 29/08/2017 for extension in the validity of TOR for one year. After deliberations, the committee recommends that the TOR validity may be extended for one year with validity up to 08.03.2020 based on revised from-I and PFR submitted by PP as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (part) dated 29/08/2017.

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 3889 dated 10/01/2020.

The case was presented by PP and their consultant wherein in the Google image observed that the M.L. area is falling on small hillock where maximum elevation 376 m AMSL in the south west direction and Lowest elevation 323 m AMSL in the north direction and 53 meters elevation difference and a habitation is very near (just >60 meters) to the lease area in the north-east corner. The chronology of the project is as given below:

Sl. No.	Particulars	Details
1.	1 <sup>st</sup> Mine lease grant	Executed on 06/06/2002 for 20 year period i.e 06.06.2002 to 05.06.2022.
2.	Mine lease period as per Mines and Minerals Development and Regulation ACT, 2015	Extension for 50 years from date of 1 <sup>st</sup> grant up to 05.06.2052
3.	Mining Plan Approval	<ul style="list-style-type: none"><li>Limestone Mine plan approval:- MP/Satna/Limestone/RMP-76/2018-19 5160 dated 10/06/19. Laterite Scheme of Mining 10342 has been approved on 01/08/19</li></ul>
4.	Forest NoC	Letter no. 190 dated 21/08/15 granted by DFO, Satna
5.	TOR granted and extension	<ul style="list-style-type: none"><li>ToR No. 595/PS-MS/MPPCB/SEAC-II/M/TOR (003)/2016 dated 15/03/16 [Case No.4192/2015].</li><li>ToR extension:- for one year i.e. upto 08/03/2020 in SEAC's 353rd meeting dated 19/03/2019</li></ul>
6.	Public hearing conduction	17/06/19 at project site

PP further stated that, no top soil is existing in the lease area, for plantation they will be brought soil from outside mining lease area and all operation of mining such as development, winning of ore and loading will be carried out by semi mechanized means except deep hole drilling and blasting and sorting and loading of mineral often manually. Controlled blasting will be done.

Drilling and blasting will be carried out of dia 33 mm and depth up to 1.5 m in mineral. Secondary blasting will not be required.

After detailed discussion and deliberations PP was asked to submit following information for further consideration of the projects.

1. Quantity of top soil required for plantation.
2. Detailed write up on blasting procedure, type, explosive, charge per hole, spacing, depth per hole, dia of hole , sand bags required etc.
3. Undertaking from PP that no blasting shall be done in 250 meters from the nearest habitation in the north-east corner of the lease, and protection wall shall be created considering habitation.
4. Revised EMP with addition to proposal for re-grassing the mining area at closure, on the OB dumps, on the soil of garland drain.
5. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, flora and fauna.

PP vide their letter dated 24.01.2020 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 approval of Lakhanwah Limestone, Laterite & Reject Stone Mine in an area of 4.047 ha. (50,000 TPA) at Khasra No. - 298P, 299P, Village-Lakhanwah, Tehsil- Rampur Baghelan, District-Satna (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 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 considering habitation northern side of the lease.
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.
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 a minimum of  $4000+1000=5000$  trees shall be planted (out of which 4000 plants shall be planted on barrier zone, backfilled area and 1000 trees to be proposed 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  $885\text{ m} \times 2.0\text{m} \times 1.5\text{ m}=2655\text{ cum}$ .
25. The settling tank will be two in number of size  $15 \times 6 \times 3.0= 270\text{ cum}$  each (total 540 cum) with a mine sump of  $30.0 \times 20.0 \times 3.0 =1800\text{ cum}$ . Total  $1800\text{ cum} + 540\text{ cum} = 2340\text{ cum}$ .

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	Particular	Existing	5 <sup>th</sup> year end	Conceptual Period
1.	Total area excavated (broken)	1.0	1.25	1.53
2.	Area fully mined out (out of 1)	(0.10)	(0.50)	(1.53)
3.	Area fully reclaimed (Backfilled out of 2)	0	(0.15)	(1.53)
4.	Area rehabilitated out of 3 by afforestation	0	(0.10)	1.53
5.	Area reclaimed by water harvesting	0	0	0
6.	Total area under dumps	0	0	0
7.	Area under active dumps (out of 6)	0	0	0
8.	Area under mineral stack	0	0.50	0
9.	Area under Road	0.20	0.20	0
10.	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	0.05	0.70	2.517
11.	Area under infrastructure	0	0.01	0
12.	Undisturbed area	2.797	1.387	0
	Total	4.047	4.047	4.047

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. 8.90 Lakh is proposed and Rs.6.05 Lakh /year as recurring expenses.
35. Apart from EMP a separate budget of Rs. 3.15 Lakh is proposed for re-grassing the mining area at the mine closure in the light of recent H'ble Supreme Court order.
36. Under CSR activity, Rs. 2.0 Lakh /year (out of which @0.25lakh/year is proposed for re-grassing in Charnoi Bhumi at five villages per years) are proposed as capital and recurring expenses respectively in 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 24.01.2020
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.

**3. Case No. - 3976/15 Shri Sailendra J. Worah, Director & Owner, M/s N.M. Dubash Stone & Lime Company Pvt. Ltd., Station Road, P.O.-Maihar, District-Satna (MP)-485771 Prior Environment Clearance for approval of Limestone & Dolomite Mine in an area of 1.518 ha. (89,302 TPA) at khasra No.-205 Part, Vill.-Amehta, Tehsil-Vijayraghgarh, District-Katni (MP).**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at khasra No.-205 Part, Vill.-Amehta, Tehsil-Vijayraghgarh, District-Katni (MP) 1.518 ha. The project requires prior EC before commencement of any activity at site. (TOR)

The case was initially scheduled for presentation for presentation in the 263<sup>rd</sup> SEAC meeting dated 11/01/2016 but on the request of PP, it was scheduled for 16/01/2016.

The case was presented by the PP and their consultant in 268<sup>th</sup> SEAC meeting dated 16/01/2016. Being it's a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
4. Any alternate route avoiding the nearby habitations.
5. Compliance of consent conditions from regional officer, M. P. Pollution Control Board, Bhopal.
6. Details of production obtained from the mines since its inception verified by the competent authority.

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 3891 dated 10/01/2020.

The case was presented by PP and their consultant wherein in the PP stated that approximately 315 plants are existing within the lease area and 130 trees are existing outside ML area , along road side and open area for which PP submitted that these trees shall not be uprooted. Also, within the lease the highest elevation is 398 mRL towards North and lowest elevation- 396 mRL towards South side of the lease, all operations of mining will be done by deployment of heavy earth moving machineries for excavation, loading & transport and no deep hole drilling and blasting is proposed. Moreover PP submitted that transportation of Limestone & Dolomite shall be done through rail sliding and under 2 KM radius of the lease 12 mine are existing out of these only 06-07 are operational.

The chronology of the projects is as given below:

Particulars	Detail
1st grant of ML for 10 years to Sri Sharad Chandra Nigam	06.03.87 to 05.03.97
Transfer to M/s N.M. Dubash Stone and Lime Co. Pvt. Ltd.	14.05.1996



1st renewal for 20 years	06.03.97 to 05.03.2017
50 years extension as per MM(D & R) Amendment act 2015	06.03.1987 to 05.03.2037
Mining plan along with progressive mine closure plan has been approved by IBM, O/O The Regional Controller of Mines, Jabalpur	MP/katni/Limestone/M.Sch-12/2015-16/3874 Jabalpur dated 21.07.2015.
Forest NoC	5339 dated 08-09-2015
ToR letter was granted by SEIAA, Bhopal, MP	240/PS-MS/MPPCB/SEAC/TOR(268)/2016 dated 02.03.2016
TOR Extension	1951/SEIAA/19 dated 07.01.2019
Public Hearing was done at mine site in the presence of Sh. Shashibhusan Singh Collector, Katni	28.08.2019
Final EIA submitted to SEAC/ SEIAA online portal	SIA/MP/MIN/48996/2015 dated 27/12/2019

After detailed discussion and deliberations PP was asked to submit following information for further consideration of the projects.

1. Details of trees already planted in the lease.
2. Commitment from PP regarding plantation to be done along transportation route.
3. Detailed write up on blasting procedure, type, explosive, charge per hole, spacing, depth per hole, dia of hole , sand bags required etc.
4. Undertaking from PP that no blasting shall be done in 250 meters from the nearest habitation in the north-east corner of the lease, and protection wall shall be created considering habitation.
5. Revised EMP with addition to proposal for re-grassing the mining area at closure, on the OB dumps, on the soil of garland drain.
6. Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, flora and fauna.

PP vide their letter dated 24.01.2020 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 approval of for approval of Limestone & Dolomite Mine in an area of 1.518 ha. (89,302 TPA) at khasra No.-205 Part, Vill.-Amehta, Tehsil-Vijayraghgarh, District-Katni (MP), subject to the following special conditions:

**(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone 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 considering habitation northern side of the lease.
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.
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 a minimum of 1600 trees shall be planted, out of which 400 trees are existing, others trees are proposed 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 1000 sq.m x 1.5 m=1500 cum
  25. The settling tank will be one in number of size 20 m x 6 m x 3 m =360 with a mine sump of 500 sq.m x 3 m = 1500 cum. Total sump=1500 cum.
  26. Total Storage of Settling pond and settling tank on any day 360 m<sup>3</sup> + 1500 m<sup>3</sup> = 1860m<sup>3</sup>.
  27. 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.
  28. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
  29. The existing and proposed land use plan of the mine is as follows:

Sl.No.	Particular	Existing	5 <sup>th</sup> Yearend / Lease Period
1	Total area excavated (broken)	0.83	1.431
2	Area fully mined out (out of 1)	0.10	1.431
3	Area fully reclaimed (Backfilled out of 2)	Nil	0.25
4	Area rehabilitated out of 3 by afforestation	NA	0.25
5	Area reclaimed by water harvesting	Nil	1.181
6	Total area under dumps	Nil	Nil
7	Area under active dumps	Nil	Nil

8	Area under mineral stack/fines	0.40	Nil
9	Area under Road	0.10	Nil
10	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	Nil	0.149
11	Area under infrastructure	0.15	0.01
12	Undisturbed area	0.038	Nil

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

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

35. In the proposed EMP, capital cost is Rs. 7.50 Lakh is proposed and Rs. 05.70 Lakh /year as recurring expenses.
36. Apart from EMP a separate budget of Rs. 0.40 Lakh is proposed for re-grassing the mining area at the mine closure in safety barrier zone, the light of recent H'ble Supreme Court order.
37. Under CER activity, Rs. 01.12 Lakh as capital cost and Rs. 2.0 lakh/year recurring expenses respectively in different activities and should be implemented through respective committees. (out of which @0.25lakh/year is proposed for re-grassing in Charnoi Bhumi at five villages) .
38. 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.

39. 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.
40. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
41. PP will comply with all the commitments made during public hearing in favour of welfare of local public.
42. PP will comply with all the commitments made vide letter dated 24.01.2020
43. 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.

**4. Case No. - 5810/2018 M/s. Eastern Minerals, Shri Pranap Jain, 35, Vivekanand Marg, Contonment, Jhansi, UP – 472442 Prior Environment Clearance for Expansion of Diaspore & Pyrophyllite Mine in an area of 6.168 Ha. (50,000 ton per annum) (Khasra No. 1354/2, 230/1, 230/2) at Village- Khera, Tehsil - Jatara, Dist. Tikamgarh (MP).**

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

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

Earlier this case was scheduled in 341<sup>st</sup> SEAC meeting dated 31/01/2019 wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was again scheduled for EIA presentation in 344<sup>th</sup> SEAC meeting dated 20/02/2019 wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 341<sup>st</sup> SEAC meeting dated

31/01/2019. 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.

The case was presented by the PP and their consultant in 351<sup>st</sup> SEAC meeting dated 16/03/2019 wherein during it was observed by the committee that it's a case of capacity expansion wherein twice EC's were obtained by the PP. Being it's a case of mining with area >5.00 ha, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. A village is in close vicinity of the lease area thus its protection plan shall be discussed in the EIA report.
3. Compliance of earlier EC conditions shall be submitted.
4. Details of expenditure incurred in EMP and CER (CSE) with proof shall be provided with the EIA report.
5. Detailed study of ground vibration and fly rocks shall be done.
6. Transportation plan & traffic management plan should be discussed in the EIA report.
7. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
8. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
9. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
10. Year wise details of minerals already excavated till date should be submitted with EIA report.
11. Level of mechanization should be discussed in the EIA report.
12. Hydro geological study should be carried out if ground water intersection is proposed.
13. Top soil management plan should be addressed in EIA report.
14. Input data of modeling should be addressed in EIA along with this all back up calculation.
15. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report and monitoring should be conducted in consultation with the regional officer of the MP Pollution Control Board.
16. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

17. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
18. Water quality of all the villages within 10 Km radius should be studied and result should be incorporated in final EIA report.
19. PP would follow environmental extend rules.

PP has submitted the EIA report vide letter dated 28/12/2019 which was forwarded through SEIAA vide letter no. 3928 dated 13/01/2020

The case was presented by PP and their consultant wherein it was observed that it is a case of expansion in production capacity of Khera-I Pyrophyllite & Diaspore from 10,400 MTPA to 50,000 MTPA. Also a settlement which is in the north east corner of the ML area PP stated that towards this end 50 meters setback already proposed as non mining area also controlled muffle blasting will be conducted. During presentation PP has submitted MoEF & CC compliance report.

After detailed discussion and deliberations PP was asked to submit following information for further consideration of the projects:

1. Commitment from PP regarding controlled muffle blasting will be conducted.
2. Revised EMP with addition to proposal for re-grassing the mining area at closure, on the OB dumps, on the soil of garland drain.

PP vide their letter dated 24.01.2020 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 Expansion of Diaspore & Pyrophyllite Mine in an area of 6.168 Ha. (50,000 ton per annum) (Khasra No. 1354/2, 230/1, 230/2) at Village- Khera, Tehsil - Jatara, Dist. Tikamgarh (MP), 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 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 considering habitation northern side of the lease.
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.
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 conceptual plan of the lease area 4500 trees (2.04 ha.) 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 Garland drain 02 in numbers will be of 350.0M X 2.0M X 1.0M cum & 460.0M X 2.0 M X 1.0M.

25. The 02 settling tanks will be of size of 200 M X 80 M X 3 M will be maintained.
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	Head	At Present (ha)	At the end of SOM period (ha)	At the end of conceptual period (ha)
1.	Total area excavated (Broken)	0.999	0.04	2.88
2.	Area fully mined out	-	-	2.88
3.	Total area under dump	2.10	-	3.26
4.	Dump area fully rehabilitated	-	-	3.26
5.	Area under mineral stack	0.863	-	-
6.	Area under road	0.084	0.040	0.018
7.	Area under green belt	0.63	0.10	2.04

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. 14.17 Lakh is proposed and Rs. 24.93 Lakh /year as recurring expenses, out of which EMP amount a separate budget of Rs. 0.10 Lakh is

proposed for re-grassing the mining area at the mine closure the light of recent H'ble Supreme Court order.

35. Under CER activity, Rs. 01.10 lakh/year recurring expenses respectively in different activities and should be implemented through respective committees.
36. 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.
37. 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.
38. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
39. PP will comply with all the commitments made during public hearing on dated 14.11.2019 in favour of welfare of local public.
40. PP will comply with all the commitments made vide letter dated 24.01.2020
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.

**5. Case No. – 6733/2020 M/s Jai Shri Krihna Granite, Partner, Shri Mahesh Chandra Gupta, Post Raath, Dist. Hameerpur, UP Prior Environment Clearance for Stone Quarry in an area of 1.375 ha. (88,861 cum per annum) (Khasra No. 1215/1), Village - Didwara, Tehsil - Luvkush Nagar, 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. 1215/1), Village - Didwara, Tehsil - Luvkush Nagar, Dist. Chhatarpur (MP) 1.375 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. 4487 dated 07/09/2019 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.065 ha including this mine.

**Salient Features of the project**

Name of the Project	DIDWARA STONE QUARRY
Lease Area	1.375 Hectare
Khasra No./Compartment no.	1215/1 , GOVT. LAND
Village	Didwara
Tehsil & District	Tehsil – Luvkush Nagar, District - Chhatarpur
Toposheet no.	No. 54 O/15
Project Co-ordinates	Latitude : 25°15'21.96"N to 25°15'26.67"N Longitude : 79°56'47.54"E to 79°56'46.96"E
Production Capacity	The average production is 88861 M3 / Year
Lease Period	Lease Period 10 Year (06.02.2012 TO 05.02.2022)
MINING Plan Approval	2746 / KHANIJ /N/ S/ 643/2019 Jabalpur , Dated – 28/09/2019
State order vide letter No.	2988/KHANIJ/ 2018 , Chhatarpur Dated 02/06/2018
Occupancy	Existing Mine
Nearest Highway	NH-76 ~ 8.0 KM in (w) Direction SH- 46 ~ 49 km in (w) Direction
Nearest Railway Station	Mahoba Railway Station –8 km (NW) Connecting Railway line Jhansi to Mahoba
Nearest Airport	Khajuraho Airport – 50 Km (SE)

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 will 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 (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.
  6. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.
  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.
6. **Case No. – 6734/2020 Shri Rajendra Chaurasia, Sheikhanpura, Dist. Mahoba, UP, Prior Environment Clearance for Stone Quarry in an area of 2.70 ha. (70,500 cum per annum) (Khasra No. 993), Village - Didwara, Tehsil - Chhatarpur, 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. 993), Village - Didwara, Tehsil - Chhatarpur, Dist. Chhatarpur (MP) 2.70 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 Assistant Mining Officer (Collector Office) Chhatarpur letter no. 1184 dated 18/02/2019 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 7.45 ha including this mine.

### **Salient Features of the project**

Name of the Project	DIDWARA STONE QUARRY
Lease Area	2.70 Hectare
Khasra No./Compartment no.	993, GOVT. LAND
Village	DIDWARA
Tehsil & District	Tehsil – Luvkush Nagar, District - Chhatarpur

Toposheet no.	No. 64 A/4
Project Co-ordinates	Latitude : 25°14'55.22"N to 25°14'51.64"N Longitude : 79°57'34.04"E to 79°57'33.78"E
Production Capacity	The average production is 70500 M3 (AVG. PRODUCTION Per Year)
Lease Period	Lease Period 10 Year from 2010 TO 2020
MINING Plan Approval	SR. NO-2472 / Khanij/n/s/ 13-14 Jabalpur, Dated – 08.06.2015
State order vide letter No.	1704/KHANIJ/ 2011 , Chhatarpur Dated 17/12/2011
Occupancy	Fresh Mine Lease
Nearest Highway	NH-26B ~1 KM in (W) Direction
Nearest Railway Station	Mahoba Railway Station – 12.90 km (NW) Connecting Railway line Jhansi to Mahoba
Nearest Airport	Khajuraho Airport – 48 Km (SE)

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 will 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 (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.

6. Transportation shall be done with 40 MT truck load capacity to minimize the number of trips.
  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.
7. **Case No. – 6720/2019 Shri Nakul Vishwkarma S/o Shri Sunil Vishwkarma, Swastik Vihar Colony, Near Sanjeevani Bai Ashram, House No. 07, Dist. Sagar, MP – 470001 Prior Environment Clearance for Stone Quarry in an area of 3.00 ha. (19,998 cum per annum) (Khasra No. 85/1, 88/1 P), Village - Chandanwada, Tehsil - Chourai, Dist. Chhindwara (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 85/1, 88/1 P), Village - Chandanwada, Tehsil - Chourai, Dist. Chhindwara (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. 1821 dated 18/10/19 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, observed that topographically, the QL area has undulating topography. The highest elevation of 644 m is in the Southern part and lowest one is of 636 m in the northern part of the QL area. Following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Underground canal	>190	North -East	Hence provision of Garland drain & settling tanks in this side of the lease.

After presentation PP was asked to submit following details:

1. Revised EMP by adding cost of grazing land.
2. Revised CER by adding funds for maintenance of grazing land of nearest reserved land.

PP has submitted the response of above quarries same date vide letter dated 24.01.2020, 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 Stone 19,998 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 04.17 Lakh as capital and Rs. 03.68 Lakh and under CER Rs. 01.10 Lakh/ year has proposed.

8. **Case No. 22/2008 - M/s. Jai Minerals Sindursi Laterite & Heamatite Mine, Vill: Sindursi Teh: Sehora Distt. Jabalpur (M.P):- area- 9.0 ha, production -0.29 million ton/annum – Sindursi Laterite & Heamatite Mine, Vill: Sindursi Teh: Sehora Distt. Jabalpur (M.P):- area- 9.00 ha, production -0.29 million ton/annum.**

The was discussed in 1<sup>st</sup> SEAC meeting dtd. 09/04/2008 for approval of TOR and the TOR was given vide letter No. 101/PS-MS/MPPCB/SEAC/TOR/APR/2008 Bhopal dtd. 04/06/2008.

In 63<sup>rd</sup> SEAC meeting dtd., 30/08/2010 the PP and his Consultant presented the EIA / EMP before the committee. During deliberations it was reported that, Sindursi Laterite & Hematite Mine is situated in village Sindursi village, Tehsil-Sihora, District Jabalpur (M.P). The ML has been granted for 20 years period w.e.f. 09.09.2004 to 08.09.2024 in the name of M/s Jai Minerals. Vide letter .no. 3-17/91/12/2 dated 28.08.2004. The Mining Plan was approved on 04.09.2008 vide letter no MP/Jabalpur/ Laterite/ MPLN/ Mod.03/08-09 under the rule 10(1) of MCDR 1988. MPSEAC has issued a project specific TOR vide letter no. 101 dated 04-06-2008 to carry out EIA / EMP. Public Hearing for the project was completed on 1st April 2010. The mine exists but presently closed. Type of lease area is reported to be Govt. Barren Land, authenticated by local Patwari. Nearest Habitation is Sindursi at a distance of 600 meters towards West and altitude of the Site 380 m AMSL to 407 m AMSL. Mining Method proposed – Opencast Other Than Fully Mechanized. The ultimate depth of mine is reported to be 25 m from top. Surface R.L ( 407m AMSL). Level of Ground Water is reported to be 12m to 15m bgl (368m to 365m AMSL). Mining will not intersect the ground water table has given presentation EIA / EMP report.

Proposed Bench of mining pit is – Height: 6.0 m and Width: 10.0 m to 15.0 m. Stripping Ratio shall be – 1:0.12. Life of Mine is reported to be 17 Years at production rate of 0.29 MTPA. Water requirement is 25 m<sup>3</sup> /day and source of Water shall be – Ground water: 15.0 m<sup>3</sup>/day & mine pit Water: 10.0 m<sup>3</sup> /day. Public Hearing issues were discussed in detail; no adverse point was reported. The project details are as follows:

Location	Khasra No. 494 Village - Sindursi Tahsil – Sihora Dist Jabalpur , Madhya Pradesh
Lease Area	9.0 ha
type of land	Govt. Waste Land
Geographical Location	Latitude - 23 <sup>0</sup> 22'49" to 23 <sup>0</sup> 22'58" Longitude- 80 <sup>0</sup> 08'40" to 80 <sup>0</sup> 08'48" Altitude 400m AMSL
Road Connectivity	Jabalpur to Sindursi via Gosalpur
Nearest Rail Head	Gosalpur (13km)
Nearest Habitation	Sindursi (1.5km) , Agaria (0.5km)
mining method	Semi Machanised
Mining Plan Status	Approved
Mine Machinery	Excavator cum Loader.
Blasting	Not required
Water requirement / Source	25 kld, Source – mine pit
Man Power requirement	140 direct / indirect
Total Reserve	4.81 million ton
Rate of production	0.29 Million tan per year
Life of mine	17 years
project Cost	Rs. 2.0 Crores /-
EMP Cost	Capital Cost – Rs. 2062500/- Recurring Cost – Rs. 321200/-
CSR Cost	Rs. 500000/-

After deliberations committee has asked the PP to submit reply with supporting documents on the following points:

- An affidavit for compliance of the suggestions and commitments made in the public hearing.
- Exact distance of the School from the mining site to be reported using GPS.



- Vertical cross-section of the mining area to be furnished.
- Water analyses report of the region to be re-examined and submitted.
- Revised plantation scheme to be submitted showing plantation in 33 % of the lease area within the lease period.

This case was delisted by the SEAC in 213<sup>th</sup> SEAC meeting dated 08/08/2015 as PP has not submitted the required information.

SEIAA vide letter no 3900 dated 10/01/2020 forwarded this case to SEAC by stating that:

*“PP has submitted point wise reply on information required by SEAC vide letter dated 18/12/2019 and has requested to relisting the case. After discussion, it was decided to relist the case and sent the above information along with technical file to SEAC”.*

Based on above submission this case was placed before committee for query reply presentation and discussion. During presentation committee asked PP for such an unprecedented delay in submitting the decided information for which PP submitted that due to some family reason they were not able to take-up the project. Committee also asked consultant to justify the delay and authenticity of the data/project for which consultant submitted that they have made all the presentation such as EIA/EMP within the stipulated time frame before the committee and only query reply was not submitted for which their project was delisted and since SEIAA has considered their request and relisted this case same shall be appraised. Committee after deliberations observed that SEIAA has relisted the case and sent the above information along with technical file to SEAC for appraisal thus same shall be appraised. After detail discussion, Committee has asked the PP to submit the following additional information:

1. Revised transportation details in view of capacity of Mine
2. Water requirement.
3. Revised EMP by adding cost of grazing land as suggested by the committee
4. Revised CER by adding cost of grazing land as suggested by the committee

PP has submitted the response of above quarries vide letter dated 24/01/2020 which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC to M/s Jai Minerals for Sindursi Laterite & Heamatite Mine, Khasra No. 494 Vill: Sindursi Teh: Sehora Distt. Jabalpur (M.P):- area- 9.00 ha, Production Capacity 0.29 million ton/annum. 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 shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

- 11 Working height of the loading machines shall be compatible with bench configuration.
- 12 No intermediate stacking is permitted at the mine site.
- 13 No dump shall be stacked outside the lease area.
- 14 Overhead sprinklers shall be provided in mine.
- 15 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.
- 16 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 conceptual plan of the mining lease area 2.97 ha. area shall be planted where approximately 8500 trees shall be planted on within lease area and along the transportation route.
- 17 Transportation of material shall be done in covered vehicles.
- 18 Transportation of minerals shall not be carried out through forest area.

- 19 The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
- 20 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. Garland Drains: - 2 Nos. Dimension: - 1m x 1.5m deep, Settling Tank: - 2 Nos. Dimension:- 2m x 2m x 1m.
- 21 All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out. The de-silted water has been used for dust suppression, plantation.
- 22 For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
- 23 The existing and proposed Conceptual Plan of the Mining Lease Area of the mine is as follows:

S.No	Head	Existing (ha)	5 <sup>th</sup> years end	Mine life
1.	Total area excavated (Broken)	2.03	3.25	8.13
2.	Area fully mined out	nil	nil	8.13
3.	area fully reclaimed (backfilled out of 2)	nil	nil	8.13
4.	area rehabilitated out of 3 by afforestation	nil	nil	8.13
5.	Area reclaimed by water harvesting	nil	nil	nil
6.	Total area under dumps	nil	nil	nil
7.	Area under active dumps	nil	nil	nil
8.	Area under Mineral stack	3.20	2.0	nil
9.	Area under Road	0.10	0.10	nil
10	area under green belt	0.11	0.31	0.87
11	area under infrastructure	1.05	0.55	nil
12	undisturb area	2.49	2.79	nil

- 24 Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
- 25 PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- 26 The commitments made in the public hearing are to be fulfilled by the PP.

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

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

- 29 In the proposed EMP, capital cost is Rs. 20.62 Lakh is proposed and Rs. 3.21 Lakh /year as recurring expenses.
- 30 Under CER activity, Rs. 5.00 Lakh has proposed by PP for different activities and should be implemented through respective committees.
- 31 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.
- 32 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.
- 33 PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- 34 PP will comply with all the commitments made vide letter dated 24/01/2020.
- 35 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.

9. **Case No. – 6620/2019 Smt. Ambika Sharma W/o Mohandutt Sharma, Ward No. 07, Shreeram Dharmashala, Jai Stambh Chowk, Dist. Sheopur, MP – 476337 Prior Environment Clearance for Stone Quarry in an area of 4.950 ha. (1,74,333.6 tonne per annum) (Khasra No.21/1/1), Village - Kaithau Pahadi, Tehsil - Tikamgarh, Dist. Tikamgarh (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No.21/1/1), Village - Kaithau Pahadi, Tehsil - Tikamgarh, Dist. Tikamgarh (MP). 4.950 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. Nil dated: 26/02/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 416<sup>th</sup> SEAC meeting dated 08/01/2020 and in 406<sup>th</sup> SEAC meeting dated 25/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**10. Case No. – 6732/2020 Shri Anil Pandey S/o Shri R.S.Pandey, Pandey Gas Agency, Gram and Post - Semariya, Sirmour, Dist. Rewa, MP – 486445 Prior Environment Clearance for Laterite and Ochre Deposit in an area of 4.90 ha. (58,380 tonne per annum) (Khasra No. 11/6P), Village - Bamhani Gadiha, Tehsil - Sirmour, Dist. Rewa (MP).**

This is case of Laterite and Ochre Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 11/6P), Village - Bamhani Gadiha, Tehsil - Sirmour, Dist. Rewa (MP) 4.90 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. 6085 dated 21/11/2019 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, following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Trees	Within lease	-	Drone videography of complete lease shall carried-out.

The case was presented by the PP and their consultant wherein as per Google image based on coordinates provided by PP some trees are seems to be exists within lease area, in order to check the area available for material excavation committee asked PP shall submit drone videography of complete lease for further consideration of this project.

**11. Case No. – 6728/2020 Shri Ashish Kumar Singh S/o Shri Awadhnarayan Singh, Sector 8, Rajkumari Adyappa Temple, Obra, Dist. Sonbhadra, UP – 231216 Prior Environment Clearance for Stone Quarry in an area of 1.40 ha. (29,203 cum per annum) (Khasra No. 516/2, 516/3, 518/3, 518/4), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 516/2, 516/3, 518/3, 518/4), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP) 1.40 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. 6398 dated 06/12/2019 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.87 ha including this mine.

During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Trees (04)	Within lease	-	Extended barrier zone of 20 meters shall maintain in lease as proposed by PP during presentation.

The case was presented by the PP and their consultant wherein as per Google image based on coordinates provided by PP that there are 04 trees (Babool) seems to be exists within lease area. PP submits that out of four trees, three of them located in the northern side and in order to protect them we are proposing to extend the barrier zone further south (now 20m from lease boundary) and further west from eastern side (20m from lease boundary) and commit

that these three trees falling within this extended barrier zone shall not be uprooted. 01 tree may uproot from lease area (mid-west) during mining after taking permission from competent authority.

After presentation PP was asked to submit following details:

1. Revised EMP by adding cost of grazing land.
2. Revised CER by adding funds for maintenance of grazing land of nearest reserved land.
3. Revised plantation species as suggested during presentation.
4. Consent letter of nearby house holders for carrying out mining which was developed for cattles.

PP has submitted the response of above quarries same date vide letter dated 24.01.2020, 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 Stone 29,203 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.50 Lakh as capital and Rs. 2.51 Lakh and under CER Rs. 0.60 Lakh/ year has proposed.

**12. Case No. – 6729/2020 Shri Acchaelal Raikwar, Village - Naargua, Tehsil & Dist. Tikamgarh, MP - 472001, Prior Environment Clearance for Murrum Quarry in an area of 1.00 ha. (7,008 cum per annum) (Khasra No. 50P), Village - Uttampura, Tehsil - Tikamgarh, Dist. Tikamgarh (MP).**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 50P), Village - Uttampura, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 1.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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 29/12/2017 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, some trees are existing in the north side of the lease PP submitted that this area will be left as non-mining area and other following sensitive features were observed within 500 meters of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Trees	Within lease.	Northern side	<ul style="list-style-type: none"> <li>Extended barrier zone shall maintained by PP as non-mining zone</li> <li>No tree cutting is proposed</li> <li>Proposed 1000 trees shall be planted in this non-mining area</li> </ul>

PP further submits that since it is a Murrum quarry, no drilling & blasting is proposed. All mining operations will be done by Manually & Semi-Mechanized method. After presentation the committee asked to PP to submit following details:

- Revised surface map showing extended barrier zone as non- mining activity for trees protection shall be submitted.
- Revised plantation schedule for planting 1200 trees (200 additional in non mining zone).
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land.

PP has submitted the response of above quarries same date vide letter dated 24.01.2020, 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 Murrum 7,008 cum per annum.



2. A budgetary provision for Environmental management Plan of Rs. 11.57 Lakh as capital and Rs. 4.72 Lakh/year and under CER Rs. 0.30 Lakh/ year has proposed.

**13. Case No. – 6730/2020 Shri Ramkailash Yadav S/o Shri Har Lal Yadav, Village - Tumadiya, Tehsil - Biaora, Dist. Rajgarh, MP – 465674 Prior Environment Clearance for Crusher Stone Quarry in an area of 2.00 ha. (3,000 cum per annum) (Khasra No. 1/1/1), Village - Tumadiya, Tehsil - Biaora, Dist. Rajgarh (MP).**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1/1/1), Village - Tumadiya, Tehsil - Biaora, Dist. Rajgarh (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 vide letter No. 1269 dated 06/12/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.00 ha including this mine.

The case was presented by PP and their consultant wherein during presentation it was observed by committee that it's a case of violation as it clearly evident through the Google image that mining activities have been carried-out since 2015. Moreover crusher is also installed within lease. Committee after deliberation decided that EC can't be recommended in this situation and the case shall be send to SEIAA for further necessary action.

**14. Case No. – 6731/2020 Shri Jagdish Gaund S/o Shri Punuaa Gaund, Tilgawan, Tehsil & Dist. Panna, MP – 488001 Prior Environment Clearance for Flag Stone Quarry in an area of 1.30 ha. (5,670 cum per annum) (Khasra No. 205/115, 206/118), Village - Ruhania, Tehsil - Panna, Dist. Panna (MP).**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 205/115, 206/118), Village - Ruhania, Tehsil - Panna, Dist. Panna (MP) 1.30 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. 3187 dated 11/12/2019 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, it was observed by the PP that a kachha road is passing within the lease in the North direction and another towards South direction within 500 meters following sensitive features were observed of the lease area.

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Kachcha Road	Within lease	North	PP stated that this area will be as non-mining area. Give right to access to the villagers on Kachcha road.
Kachcha Road	Within lease	South	Extended barrier zone shall maintained by PP as non-mining zone

PP further submits that no blasting is proposed. All mining operations will be done by Open cast manual method. After presentation the committee asked to PP to submit following details:

- Commitment that PP shall give right to access to the villagers on Kachcha road towards North in lease area & extended barrier zone shall maintained by PP as non-mining zone on Kachcha road towards South in lease area.
- Revised plantation species as suggested during presentation.
- Revised EMP by adding cost of grazing land.
- Revised CER by adding funds for maintenance of grazing land of nearest reserved land.

PP has submitted the response of above quarries same date vide letter dated 24.01.2020, 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 Flag Stone 5,670 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 4.78 Lakh as capital and Rs. 1.35 Lakh/year and under CER Rs. 0.30 Lakh/ year has proposed.

**15. Case No. – 6647/2019 Shri Anil Kumar Jain S/o Shri Bherulal Jain, Rajgarh, Dist. Jhabua, MP – 457661 Prior Environment Clearance for Stone Quarry in an area of 3.80 ha. (6,790 cum per annum) (Khasra No. 773/2), Village - Paledi, Tehsil - Rama, 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. 773/2), Village - Paledi, Tehsil - Rama, Dist. Jhabua, (MP) 3.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 431 dated: 28/05/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in 416<sup>th</sup> SEAC meeting dated 08/01/2020 and in 407<sup>th</sup> SEAC meeting dated 26/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

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

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

**(Dr. Jai Prakash Shukla)**  
**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/Murram 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.

**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.

**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

**Annexure- 'D'**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. 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.

**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.**

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

