

The 482<sup>nd</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 17<sup>th</sup> February, 2021 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.
7. Shri A.A. Mishra, Secretary.

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

- 1. Case No 7624/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 20.00 ha. (77,020 cum per annum) (Khasra No. 223), Village - Ambajdid, Tehsil - Nasrullaganj, Dist. Sehore (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 223), Village - Ambajdid, Tehsil - Nasrullaganj, Dist. Sehore (MP) 20.00 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 (Ekal Praman-Patr) letter no. 1454 dated: 28/07/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 88.093 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 458<sup>th</sup> SEAC meeting dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 12/02/2021 which was forwarded through SEIAA vide letter no. 6220 dated 12/02/2021, which was placed before the committee.

PP has submitted the EIA report vide letter dated 01/02/2021 which was forwarded through SEIAA vide letter no. 6006 dated 06/02/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated following points -:

- The mine lease of river sand mine on Narmada River is spread over an area of 20.00 ha in Village –Ambajdid, Tehsil- Nasrullaganj, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/588 Bhopal, dated -10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. P. Kramank 7887/Mining Plan cell-8/N. K.-44/2020 Bhopal dated 14/08/2020 for a production capacity of 77020 m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1454/khanij/2020/Sehore, dated 28/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 690/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 11.01.2021 near project area.
- Opencast manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.

### **Replenishment Capacity- Narmada River**

- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west.
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).

- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1217.7 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 5057975 M. tons/Year.
- The Annual Replenished Sand in Narmada River is 50,74,556 cum. (As Per DSR Sehore)
- Hence it is concluded that the annual production capacity (77,020 cum) which will be excavated at the QL area will be replenished easily during monsoon season.

### **Plantation**

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

After presentation and deliberation, PP was asked to submit following information:

1. Undertaking from PP that manually mining shall be carried out as mining is proposed on the River Narmada.
2. PP shall submit annual replenishment report/study with R.L. and contour details, conducted on the River Narmada.
3. Revised plantation species, propose Arjun tree on river bank Karanj on transportation rout as suggested by committee.
4. Sand evacuation route should be shown on map with details of road length and width.
5. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

6. Revised EMP incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 17.02.2021 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 EC for Prior Environment Clearance for Sand Quarry in an area of 20.0 ha. (77,020 cum per annum) (Khasra No. 223), Village – Ambajadid-3, Tehsil - Nasrullaganj, Dist. Sehore (MP).subject to the following special conditions and as per Annexure-B:

**(A) PRE-MINING PHASE**

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. 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.
4. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
5. PP will also carry out fencing all around the lease area.
6. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
7. For dust suppression, regular sprinkling of water should be undertaken.
8. Transportation road shall be made pucca (tar road) and shall be constructed prior to operation of mine.
9. PP will obtain other necessary clearances/NOC from respective authorities.

**(B) MINING OPERATIONAL PHASE**

1. Only manual mining shall be carried out.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three 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.
4. 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 30000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
  5. Transportation of sand shall be done in covered vehicles.
  6. Transportation of sand shall not be carried out through forest area.
  7. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
  8. Appropriate and submitted activities shall be taken up for social up-liftmen 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.
  9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
  10. The commitments made in the public hearing are to be fulfilled by the PP.
  11. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
  12. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

13. In the proposed EMP, capital cost is Rs. 41.75 Lakh is proposed and Rs. 2.42 Lakh /year as recurring expenses.
14. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets	Remarks
1	Grazing land development	-	2 Grounds
2	Covid related activity	-	Three times a year
3	Development of Ghat in river bank for village with proper boundary wall	1	Will be maintain as per requirement
4	Maintenance of village road, Anganwadi & School building	3	Will be maintain as per requirement

15. 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.

16. 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.

**2. Case No 6950/2020 M/s Mahak Agro India Limited, Pathak Bhawan, Nai Abadi, Dist. Mandsaur, MP Prior Environment Clearance for Laterite Mine in an area of 12.838 ha. (50000 MT per annum) (Khasra No. 141/1), Village - Jamunia Meena, Tehsil - Mandsaur, Dist. Mandsaur (MP)**

This is case of Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 141/1), Village - Jamunia Meena, Tehsil - Mandsaur, Dist. Mandsaur (MP) 12.838 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 432<sup>th</sup> SEAC meeting dated 18/05/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 01/02/2021 which was forwarded through SEIAA vide letter no. 6014 dated 06/02/2021, which was placed before the committee.

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

**3. Case No 8170/2021 M/s Rabela Traders & Finance Pvt. Ltd, Plot No. 1, Industrial Area, Dhonga, Dist. Tikamgarh, MP – 472001 Prior Environment Clearance for Pyrophyllite & Diaspore Quarry in an area of 10.834 ha. (Expansion from Pyrophyllite 10,000 MTPA & Diaspore Quarry 400 MTPA to 50,000 MTPA) (Khasra No. 476, 477), Village - Markhera, Tehsil - Mohangarh, Dist. Tikamgarh (MP)**

This is case of Pyrophyllite & Diaspore Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 476, 477), Village -

Markhera, Tehsil - Mohangarh, Dist. Tikamgarh (MP) 10.834 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. 36 dated: 31/08/2016 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 11.834 ha., including this mine.

The case was presented by PP and their consultant wherein PP submitted that it's a case of expansion from Pyrophyllite 10,000 MTPA & Diaspore Quarry 400 MTPA to 50,000 MTPA. During discussion PP submitted that its an existing mine thus committee decided to carryout site visit (if possible). Being it's a case mining with total area of 10.834 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:-

- Compliance report of earlier EC conditions from competent authority.
- The lease is located on small hillock hence protection/ safety plan w.r.t. deployment of men and machine.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

**4. Case No 8173/2021 M/s Devashish Stone Crusher, Shri Atin Garewal S/o Shri Gulabdas Garewal, R/o, Bindra Colony, Tehsil & Dist. Chhindwara, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (66738 cum per annum) (Khasra No. 290/2/1, 291/1/2, 292/1, 291/2/2), Village - Thanvari, Tehsil - Seoni, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 290/2/1, 291/1/2, 292/1, 291/2/2), Village - Thanvari, Tehsil - Seoni, Dist. Seoni (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 628 dated: 01/09/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 7.85 ha., including this mine.

The case was presented by the PP and their consultant. Being it's a case Stone Quarry with total area of 7.85 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.



- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

**5. Case No 8169/2021 Shri Ambuj Dwivedi S/o Shri Manoj Kumar Dwivedi, Gram & Post - Janardan, Tehsil - Rampur Baghelan, Dist. Satna, MP - 485881 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (20000 cum per annum) (Khasra No. 1289/1344/1/GA/1), Village - Ramnagar, Tehsil - Rampur Baghelan, Dist. Satna (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1289/1344/1/GA/1), Village - Ramnagar, Tehsil - Rampur Baghelan, Dist. Satna (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1440 dated: 21/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

**6. Case No 8171/2021 Shri Mohabbat Ali S/o Shri Wahid Ali, R/o, 16/10, Rehmat Nagar, Dist. Ratlam, MP – 457001 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (Expansion from 10925 to 25650 cum per annum) (Khasra No. 143/1), Village - Namli, Tehsil - Ratlam, Dist. Ratlam (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 143/1), Village - Namli, Tehsil - Ratlam, Dist. Ratlam (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 741 dated: 30/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

**7. Case No 7335/2020 M/s Jay Ambey Mines, Village - Prakash Bamhauri, Tehsil - Gaurihar, Dist. Chhatarpur, MP – 471516 Prior Environment Clearance for Expansion of Stone Quarry in an area of 3.30 ha. (68800 to 150000 cum per annum) (Khasra No. 2276) at Village- Prakash Bamhauri, Tehsil- Gaurihar, District- Chhatarpur (MP)**

This is case of Expansion of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2276) at Village- Prakash Bamhauri, Tehsil- Gaurihar, District- Chhatarpur (MP) 3.30 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. 890 dated 03/6/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.3 ha., including this mine.

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

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Kachha Road	Adjacent to lease.	West	Minimum 10 meters set back shall be left.
Trees	02 within lease	--	Plantation scheme. If proposed to be uprooted, 20 additional plantations shall be added in the scheme.

Pond	280	NE	Protection plan with Garland drains and settling tanks shall be provided.
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PP further submits that method of mining will be opencast semi-mechanized and ultimate depth of mining will be 36m. After presentation the committee asked to submit following details:

- Being case of expansion compliance report of earlier EC conditions duly verified by the competent authority shall be submitted.
- Protection plan for nearby nallah.
- 02 trees in the lease area thus their management plan shall be submitted.

The case was discussed in 655<sup>th</sup> SEIAA meeting dtd 29/01/2021 and it has been recorded that.....

As per above observation of SEAC, it has been decided to delist above cases mentioned in S.No. 81 to 132 on the condition that it PP intends to present the case in SEIAA, it will then be relisted for appraisal.

PP has submitted required documents vide L.no. NIL dated NIL received in SEIAA office 22/01/2021 to relist the case as PP is now ready to present their case in SEAC, Considering the request of PP, it was decided to relist the case and send the technical file to SEAC for appraisal.

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

**8. Case No. – 6097/2019 M/s Denine Granites, Village - Ghosipur, Tehsil - Gaurihar, Dist. Chhatarpur, MP – 471516 Prior Environment Clearance for Crusher Stone Quarry in an area of 5.00 ha. (Production capacity-2,99,965 cum per annum) (Khasra No. 38), Village - Ghosipur, Tehsil - Gaurihar, Dist. Chhatarpur (MP).**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 38), Village - Ghosipur, Tehsil -

Gaurihar, Dist. Chhatarpur (MP) 5.00 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. 1443 dated: 28/2/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation in 362<sup>nd</sup> SEAC meeting dated 15/04/2019 but, neither the Project Proponent (PP) nor his authorized 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 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.

In this meeting(SEAC 371<sup>st</sup> meeting dated 21/05/2019), this case was again scheduled for presentation, wherein neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 362<sup>nd</sup> SEAC meeting dated 15/04/2019. 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, wherein it was recorded this is Crusher Stone Quarry with area of 5.00 ha, and SEIAA vide letter no 719 dated 21/05/2019 stated that al the case up to area of 5.00 ha will be granted for EC under B-2 category. Further it was recorded through Google image that it is a Hillock mining, and mining is proposed for 18 meters high and 39 meters below the ground level total 58 meters cutting is proposed, however a village is at a distance of 160 meters towards South-East direction. In order to keep the safety measures for the village, committee decided to visit the site for further necessary action regarding this Mine.

Earlier this case was discussed in 390th SEAC meeting dated 10/8/2019 where after inspection; committee recommends that following information shall be provided by PP for consideration of this case:

1. Commitment of PP to carryout transportation through 40 MT truck load capacity to minimize the number of trips.
2. Re-assess the number of trips/day with 40 MT loading capacity.
3. Commitment of PP for providing pucca evacuation route to carry 40 MT truck load considering the production vary high capacity with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides.
4. Commensurate budget for evacuation route shall be provided in the EMP.
5. Commitment of PP that no evacuation shall be carried out from the village side.
6. If crusher is proposed on site, same shall be of latest technology such as cone type, equipped with air pollution control devises, water sprinkling arrangements, wind breaking wall etc and the complete details shall be provided with Commensurate budget in EMP.

PP has submitted the response of above quarries same date vide letter dated 21.08.2019, which was placed before the committee wherein committee observed that PP has proposed transportation through 40 MT truck which will reduce the number of trips from approx 130 to 65 per day. Committee also observed that PP has proposed pucca evacuation route for which Rs. 39.00 lakhs has been proposed in the budget. The query reply submitted by PP was 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 2,99,965 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 76.606 Lakh as capital and Rs. 14.75 Lakh/year. Under CER Rs. 2.70 Lakh/ year has proposed

The case was discussed in 656<sup>th</sup> SEIAA meeting dated 30/01/2021 and it has been recorded that.....

The case was discussed in 608<sup>th</sup> SEIAA meeting dtd. 10/10/2020 and it was recorded that.....

The case was discussed in 575<sup>th</sup> SEIAA meeting dated 10/10/2019 and it was recorded that...

“PP/Consultant made a presentation on all aspects of the project and all concerned issues were discussed in detail. After detailed discussions and perusal of recommendations of 394<sup>th</sup> SEAC dated 31/08/2019, presentation made by the PP in SEIAA, it was decided to ask PP to submit undertaking/commitment for maintainance and repair of PMGSY road with estimated cost and revised CER”

Since PP has not submitted above desired information hence it has been decided to delist the case on the condition that if PP intends to present the case in SEIAA, it will then be relisted for appraisal.

IN response to query in 575<sup>th</sup> SEIAA meeting dated 10.10/2019, PP has submitted commitment for maintainance and repair of PMGSY road with estimated cost and revised CER information vide letter dated nil received in SEIAA Office dated 30/09/2020 with a request to relist the case.

As per above decision in SEIAA, now PP has submitted his commitment vide L.No. nil dated 29/01/2021 with revised production plan for three years including reduce depth of mine pit, further it is decided to send the technical file to SEAC for re-examination as per the commitment made by PP.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided that this case shall be placed in upcoming agenda for discussion.

**9. Case No 8167/2021 Shri Makhan Singh S/o Shri Gokul Singh Hada, R/o Village - Chilocha, Tehsil - Gulana, Dist. Shajapur, MP – 465223 Prior Environment Clearance for Stone Quarry in an area of 1.620 ha. (6000 cum per annum) (Khasra No. 1470), Village - Borsali, Tehsil - Gulana, Dist. Shajapur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1470), Village - Borsali, Tehsil - Gulana,

Dist. Shajapur (MP) 1.620 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. 37 dated: 09/1/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during appraisal it was observed that shape of lease is too narrow on the northern side and mining will not be possible in this area. PP submitted that that they will not carry out any production from this area and have already shown as non mining area and crusher will be installed in this area. PP further submitted that plantation will be carried out in this area. During presentation it was also observed that a kachha road is in existence on the southern side of the lease at a distance of 30 meters and a pucca road on western side at approx. 110 meters. 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 of Stone as per mine plan with quantity not exceeding 6,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.13.91 Lakh as capital and Rs 3.80 Lakh/year are proposed by PP.

**10. Case No 8163/2021 Shri Ankur Dwivedi, Sanjay Nagar, Saman, Tehsil & Dist. Rewa, MP – 486003 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8223 cum per annum) (Khasra No. 840), Village - Madhepur, Tehsil - Huzur, 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. 840), Village - Madhepur, Tehsil - Huzur, Dist. Rewa (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 531 dated: 20/01/2021 has reported

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

The case was presented by PP and their consultant wherein PP submitted that it's a stone mine. During appraisal committee suggested to revise EMP which was submitted by PP on dated 17/02/21. 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 of Stone as per mine plan with quantity not exceeding 8,223 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.05.18 Lakh as capital and Rs 2.36 Lakh/year are proposed by PP.

**11. Case No 8164/2021 Shri Rajesh Rao, Kothibazar, Dist. Hoshangabad, MP – 461001 Prior Environment Clearance for Stone Quarry in an area of 1.154 ha. (8844 cum per annum) (Khasra No. 97/4), Village - Salimate, Tehsil - Shahpur, Dist. Betul (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 97/4), Village - Salimate, Tehsil - Shahpur, Dist. Betul (MP) 1.154 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. 206 dated: 22/01/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.154 ha., including this mine.

The case was presented by PP and their consultant wherein PP submitted that it's a stone mine. During appraisal it was observed by the committee that a pucca road is in existence on the eastern side of the lease thus 50 meters area shall be left as non mining area from the road and revised surface map be submitted by PP. It was further observed by the committee some structure is in existence on the north east side of the lease for which PP submitted that it's an abandon structure and they have proposed 50 meters non mining area on this side. PP was asked to submit written commitment for both the above issues



and also to submit revised EMP as suggested by committee which was submitted by PP on dated 17/02/21. 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 of Stone as per mine plan with quantity not exceeding 8,844 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.08.06 Lakh as capital and Rs 01.60 Lakh/year are proposed by PP.

**12. Case No 8165/2021 Shri Atishay Jain S/o Shri Ajay Kumar Jain, R/o, Mukam, Post - Baghraj, Tehsil - Kundam, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Stone & Murrum Quarry in an area of 4.11 ha. (Murrum - 9996 cum per annum, Stone - 29870 cum per annum) (Khasra No. 362, 363, 365/1/1, 366, 367/3), Village - Dhanwahi, Tehsil - Kundam, Dist. Jabalpur (MP)**

This is case of Stone & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 362, 363, 365/1/1, 366, 367/3), Village - Dhanwahi, Tehsil - Kundam, Dist. Jabalpur (MP) 4.11 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. 218 dated: 23/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during appraisal it was observed by the committee that PP has not submitted complete DFO certificate as in submitted certificate exact distance from National Park / Sanctuary is not mentioned. PP was also asked to provide the inventory of trees on lease and commitment for no tree falling.

**13. Case No 8168/2021 M/s Vijay Laxmi Construction Co., Prop., Smt. Basanta Patidar, R/o Village - Mahow, Neemuch Road, Badi Chopati, Badnawar, Dist. Dhar, MP Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (25000 cum per annum) (Khasra No. 662/16), Village - Multhan, Tehsil - Badnawar, Dist. Dhar (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 662/16), Village - Multhan, Tehsil - Badnawar, Dist. Dhar (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 275 dated: 03/02/21 has reported that there are no mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was informed to the PP that MO certificate is not appended with the case file. PP submitted that they have got the MO certificate issued vide letter no. 275 dated: 03/02/21 has reported that there are no mines operating or proposed within 500 meters around the said mine. PP further submitted that it's a case of Murrum. During appraisal it was observed by the committee that a water body is in existence at a distance of 50 meters for which PP submitted that provision of garland drains and settling tanks has been proposed and it being a case of Murrum, no blasting is proposed. After presentation, PP was asked to submit the copy of MO certificate and revised EMP as suggested by committee which was submitted by PP on dated 17/02/21. 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 of Murrum as per mine plan with quantity not exceeding 25,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.16.80 Lakh as capital and Rs 02.71 Lakh/year are proposed by PP.

**14. Case No 8172/2021 Smt. Dipti Kunwar W/o Shri Bhagwat Singh Hada, R/o, H.No. 218-A, Riddhi Siddhi Nagar, Khadi, Girdharpur, Dist. Kota, Raj., Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (30000 cum per annum) (Khasra No. 1277), Village - Fusriya, Tehsil - Sinholi, Dist. Neemuch (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1277), Village - Fusriya, Tehsil - Sinholi, Dist. Neemuch (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 494 dated: 05/07/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein during appraisal PP submitted that it's a B1 category case as another mine is sanctioned near to this mine and total area including this mine is >5.00 ha and have applied for B1 category. Being it's a case Stone Quarry with total area of >5.00 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.

- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

**15. Case No 8175/2021 Shri Vikram Rathore S/o Shri Suresh Rathore, Kauli Mohalla, Ganj, Tehsil & Dist. Sehore, MP – 466001 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8000 cum per annum) (Khasra No. 1014 Part), Village - Kasba, Tehsil - Sehore, Dist. Sehore (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1014 Part), Village - Kasba, Tehsil - Sehore, Dist. Sehore (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal) letter no. 1779 dated: 19/01/2021 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 13.0 ha., including this mine.

The case was presented by the PP and their consultant wherein during appraisal PP submitted that it's a case of stone mining. Being it's a case Stone Quarry with total area of 13.00 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or

Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.

- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

**16. Case No. 481/2009 M/s Birla Corporation Limited (Cement Division) P.O. Birla Vikas Satna-485 005 Proposed Captive Thermal Power Plant 35 MW (Cement Division )Project at, P.O. -Birla Vikas, District-Satna(M.P.)**

The case was discussed in 656<sup>th</sup> SEIAA meeting dated 30/01/2021 and it is recorded that:

- 1) “Eariler EC issued vide letter no. 1420 dtd 05/08/2013. EC is valid for 5 years and later extended to 7 years as per the Ministry of Environment, Forest and Climate Change (MoEFCC) a,emded (dtd 14/09/2016) the Environmental Impact Assessment (EIA) notification 2006, which governs the environmental clearance rules, and as a result, the five year validity for the project automatically became seven years.
- 2) Accordingly as per MoEF & CC, GoI Notification dtd. 14/9/2016 and office memorandum dtd. 11/6/2018 PP has applied vide proposal (Online proiposal no. SIA/MP/THE/5032/2009) on 28/07/2020 and online acceptance on 15/12/2020 subsequently hard copy received in SEIAA office on 24/12/2020 for extension of Validity period of Environmental clearance.
- 3) As per the MoEF & CC, GoI Notification dtd 14/9/2016 period of validity may be extended by the regulatory authority concerned by a maximum period of three years if an application is made to the regulatory authority by the applicant within the validity period and within thirty days after the validity period of Environmental Clearance, such cases shall be referred to concerned Expert Appraisal Committee or State Level Expert Appraisal Committee.
- 4) Further PP has requested that prior environmental clearance for 35MW captive thermal power plant was granted with additional specific condition that reject coal of coal washery shall be used in the proposed captive power plant. But due to non-availability of sufficient quantity of high ash linkage coal, coal washery remains

- idle. Therefore, in lieu of non-availability of reject coal from washery, the project of 35MW captive thermal power plant was kept under hold for the period.
- 5) Now PP has also requested that coal block i.e. Bikram having extractable coal reserve 9.4 million tons at Shahdol, (M.P.) allotted to PP, therefore he is capable to regular supply of high ash coal from the said coal block and obtain reject of coal washery for operation of 35 MW captive thermal power plant from 2023. Accordingly requested to extend the validity of EC issued vide letter no. 1429 dtd. 05/08/2013 for further 03 years i.e. 04/08/2023 for installation of 35 MW captive power plant.
- 6) PP has submitted Compliance report for the period of January to June 19 received on 6/8/2019 Compliance report for the period of July to Dec. 19 received on 30/01/2020 compliance report for the period of January to June 2020 received on 3/6/2020. Compliance report for the period of Dec. 20 received on 01/01/2021 Regarding compliance report PP assured that he will be complied all the stipulated conditions after establishment of the unit.

**After detailed discussion, it was decided that the case sent to SEAC regarding examine the availability of reject coal from the coal washery full fill the project requirement and accordingly extension of validity of environmental clearance can be extended up to three years or not.**

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

**17. Case No. – 6616/2019 M/s Shree Ganesh Granite, C-1, Fortune Delight, Ahmadpuri, Hoshangabad Road, Bhopal, MP Prior Environment Clearance for Granite Mine in an area of 25.422 ha. (Granite Block – 7,710 cum per annum and Salable Waste material – 25,000 cum per annum) (Khasra No. 427, 449), Village - Goorapurwa, Tehsil - Laundi, Dist. Chhatarpur (MP).**

This is case of Granite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 427, 449), Village - Goorapurwa, Tehsil - Laundi, Dist. Chhatarpur (MP) 25.422 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 405<sup>nd</sup> SEAC meeting dated 08/11/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 5921 dated 29/01/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee, following details of this project were submitted by the PP:

The project has been proposed for the Mining of Granite Block by open cast through mechanized Gali Toda method. Mining will be confined to the allotted lease area which lies on the Pvt waste land from which approximately Granite production- 7710 cum/yr & Saleble Waste- 25000 cum/yr will be excavated per annum.

The mining lease has been granted in favour of M/s Shree Ganesh Granite over an area of 9.781 Ha at Khasra No. 427, 449 at Village –Ghoorapurwa Tehsil- Chandala, Dist. Chhatarpur (MP) Mining will be carried out on the basis of govt. consent order for mining operations for 30 years. A total mineable reserve as per the mining plan is 2288404 cum & with maximum of production of granite mineral of 7710 cum/yr & Saleble Waste- 25000 cum/yr .

The proposed project is an opencast and fully mechanized mining project through wire saw operation and gali toda method , where mining of granite block will be done through drilling, blasting for fracture the rock, rock breaker ,Jack hammer, wire saw etc.

### **Salient Feature of Lease Area**

<b>Particulars</b>	<b>Details</b>
Type of Mine	Open Cast
Mining Lease Area	25.422ha
Mineable Area	23.7345 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Plantation	Nil
Recoverable / Mineable Reserve	2288404m3

Method of mining	Mechanized
Ultimate Depth of Mining	16m bgl (140 m MSL)
Ultimate Pit Slope	45°
Expected Life of Mines	297years
Lease Period	30years
Capacity per year	Granite- 7710 cum, saleble waste material- 25000 cum
mode to transportation	Road
Area to be covered under dumps in conceptual period	NIL
Area covered under pit in conceptual period	23.7345ha
Area to be reclaimed by conceptual period	23.7345ha
Area to be covered under plantation by conceptual period	25.00ha
Area to be covered under water reservoir	Nil
Elevation	210-156 m MSL
Ground water table	
Monsoon period	70 m bgl (86m MSL)
Dry month	75m bgl (81m MSL)
Production per day @300 day	26m <sup>3</sup> granite & 83m <sup>3</sup> saleable waste
Dumper required per day @7 & 12m <sup>3</sup>	4.00 & 7nos.

After presentation and deliberation, PP was asked to submit following information:

1. Revised EMP with inclusion of budget for grazing land.
2. Detail Reply on public hearing issues.

PP vide their letter dated 17.02.2021 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 EC for Ghoorapurwa Granite Mine (25.422 Ha), granite mineral of 7710 cum/yr & Saleble Waste- 25000 cum/yr) at Khasra no - Khasara No 427, 449 at Village –Ghoorapurwa



Tehsil- Chandala, Dist. Chhatarpur (MP) of M/s Shree Ganesh Granite 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. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. 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.

19. 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 50,000 trees and 1600 trees shall be planted on barrier zone as well as along the transportation route respectively and in village also. .
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. 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 740M X 1M X 1M, 470M X 1M X 1M , and 210M X 1M X 1M The settling tank will be 04 in number of size 0. 28x 4mD, 0. 23x 4mD, 0. 39x 4mD , and 0. 33x 4mD .
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

	Existing	SOM Period	Conceptual Period
<b>Total lease area</b>	<b>25.422ha</b>		
Ultimate depth of mining	Nil	16m bgl (140m MSL)	16 m bgl (140 m MSL)
Ultimate pit slope		45 degree	45 degree
Area under dumps	Nil	1.3160ha	-
Area under pits	Nil	1.10ha	23.7345ha
Infrastructure & Road	Nil	0.02ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	Nil	0.50ha	25.00ha
Un-worked area	Nil	22.486ha	0.422ha
<b>Total</b>	<b>25.422ha</b>	<b>25.422ha</b>	<b>25.422ha</b>
Water body	Nil	0.50ha	Nil

Area to be reclaimed	Nil	Nil	23.7345ha
Plantation			
Un-worked area	Nil	0.50ha (1000No.)	1.2655 ha (2530No.)
Backfilled area	Nil	Nil	23.7345ha (47430No.)
Dump area	Nil	Nil	Nil
Total area for plantation	Nil	0.50ha (1000No.)	25.00 ha (50000No.)

27. 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.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 20.57 Lakh is proposed and Rs.12.41 Lakh /year as recurring expenses.
33. As per office memorandum vide no 22-65/2017/IA-III dated 30.09.2020, no financial budget under CER is being proposed. The commitment to address the concern raised during the public hearing issues with physical target shall be complied as below :

<b>Commitment towards public hearing Issue in terms of Physical Target</b>		
<b>SN</b>	<b>Plan</b>	<b>Activity</b>
1	Plantation at village	Approx 2000 trees will be planted in village after land will be provided by Gram panchyat

2	Development fodder plot	1 acre area will be developed as fodder plot in the vicinity of mine
3	Provision of retaining wall	Stone pitching wall shall be provided to prevent the spillage of waste

34. 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.
35. 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.

**18. Case No. – 6375/2019 M/s Marble Park, 907/1, Badi Omti, Dist. Jabalpur, MP Prior Environment Clearance for Granite Deposit in an area of 9.781 ha. (Granite - 12835 cum per annum and Saleable waste material - 72736 cum per annum) (Khasra No. 458/1, 458/2, 436/2), Village - Chatua, Tehsil - Anuppur, Dist. Anuppur (MP)**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 458/1, 458/2, 436/2), Village - Chatua, Tehsil - Anuppur, Dist. Anuppur (MP), Area- 9.781 Ha., The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 385<sup>th</sup> SEAC meeting dated 12/07/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated Nil which was forwarded through SEIAA vide letter no. 5943 dated 02/02/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, Following details of this project were submitted by the PP:

The project has been proposed for the Mining of Granite Block by open cast through mechanized Gali Toda method. Mining will be confined to the allotted lease area which lies on the Pvt waste land from which approximately Granite production- 12835 cum/yr & Saleble Waste- 72736 cum/yr will be excavated per annum.

The mining lease has been granted in favour of M/s Marble Parks over an area of 9.781 Ha on Khasra No. 458/1, 458/2, 436/2 at Village –Chatua Tehsil- Anuppur, Dist. Anuppur (MP). Mining will be carried out on the basis of govt. consent order for mining operations for 30 years. A total mineable reserve as per the mining plan is 2,46,974 cum & with maximum of production of granite mineral of 12835 cum/yr & Saleable Waste- 72736 cum/yr.

The proposed project is an opencast and fully mechanized mining project through wire saw operation and gali toda method, where mining of granite block will be done through drilling, blasting for fracture the rock, rock breaker, Jack hammer, wire saw etc.

### Salient Feature of Lease Area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	9.781 ha
Mineable Area	8.6710 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Plantation	Nil
Recoverable / Mineable Reserve	246974 cum
Method of mining	Mechanised
Ultimate Depth of Mining	15 m bgl (437 mRL)
Ultimate Pit Slope	45°
Expected Life of Mines	19 years
Lease Period	30 year up to 2049
Capacity per year	Granite - 12835 m3 per year and Saleable waste Material – 72736 m3 per year
mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	8.6710 ha
Area to be backfilled by conceptual period	5.00 ha
Area to be covered under plantation by conceptual period	6.171 ha
Area to be covered under water reservoir	3.00 ha

Elevation	464-452 m MSL
Ground water table	
Monsoon period	40 m bgl (412 m MSL)
Dry month	45 m bgl (407 m MSL)
Production per day @300day	Granite – 43m <sup>3</sup> & Saleable waste- 243m <sup>3</sup>
Dumper required per day @7cum for granite and 10 cum of saleable waste	Granite- 6 No. & Saleable waste- 24 No.

After presentation and deliberation, PP was asked to submit following information:

1. Revised EMP with inclusion of grazing land

PP vide their letter dated 17.02.2021 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 EC for Chatua Granite Mine (9.781 Ha), granite mineral of 12835 cum/yr & Saleable Waste- 72736 cum/yr) at Khasra no -458/1, 458/2, 436/2 at Village –Chatua Tehsil- Anuppur, Dist. Anuppur (MP) of M/s Marble Park 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. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. 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.
19. 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 12340 trees and 480 trees shall be planted on barrier zone as well as along the transportation route respectively and in village also. .
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. 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 254M X 1M X 1M, 466M X 1M X 1M , 406 MX 1M X 1M and 317M X 1M X 1M The settling tank will be 01 in number of size 0. 25x 6mD .
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.

25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
<b>Total lease area</b>	<b>9.781 ha</b>		
Ultimate depth of mining	Nil	13m bgl (439 m MSL)	15 m bgl (437 mbgl MSL)
Ultimate pit slope	Nil	45 degree	45 degree
Area under dumps	Nil	2.300 ha	Nil
Area under pits	Nil	3.5577 ha	8.6710 ha
Infrastructure & Road	Nil	0.01ha	Nil
Mineral storage	Nil	Nil	Nil
Plantation	Nil	0.50ha	0.50ha
Un-worked area	9.781 ha	3.9133 ha	0.61ha
<b>Total</b>	<b>9.781 ha</b>	<b>9.781 ha</b>	<b>9.781 ha</b>
Water body	Nil	1.50ha	3.00 ha
Area to be reclaimed	Nil	Nil	5.00 ha
Plantation			
Un-worked area	Nil	0.50ha (1000No.)	0.50ha (1000no.)
Backfilled area	Nil	Nil	5.00 ha (10000No.)
Bench area	Nil	Nil	0.671ha (1340No.)
Total area for plantation	Nil	0.50ha (1000no.)	6.171 ha (12340 No.)

27. 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.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 54.11 Lakh is proposed and Rs.17.022 Lakh /year as recurring expenses.



33. As per office memorandum vide no 22-65/2017/IA-III dated 30.09.2020, no financial budget under CER is being proposed. The commitment to address the concern raised during the public hearing issues with physical target shall be complied as below :

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Provision of 02 hand-pumps and water tank to facilitate drinking water facility at suggested villages by Gram Panchayat, Chatua
2	Maintenance of village road from lease area to pucca road to be used for transportation of mineral (600 mtrs with 7.5 mtrs width)
3	Conduction of half yearly medical camp for assessment health of villagers of Chatua and nearby area inclusive of COVID related activities (provision of sanitizers, mask and other PPEs) for initial first year
4	Development of plantation with 500no at common place / school/ panchayat bhawan of village - Chatua
5	2 Toilet at Govt. Middle School and Aganwadi center with facility of water. water will be provided from mine pit through pipeline at village chatua
6	As per OM of MoEFCC, grazing land will be developed as Fodder plot

34. 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.
35. 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.

**19. Case No 8147/2021 M/s Shri Maa Mining & Minerals Pvt. Ltd, DG Heights, 3rd Floor, 158, Zone-II, M.P.Nagar, Dist. Bhopal, MP – 462011 Prior Environment Clearance for Granite Deposit in an area of 12.385 ha. (Grante Block - 2480 cum per annum, Mine Waste - 9920 cum per annum) (Khasra No. 795/1 (Part)), Village - Ghatra, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 795/1 (Part)), Village - Ghatra, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 12.385 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. 28 dated: 02/1/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein PP submitted that it's a case of granite mining. Being it's a case mining with total area of 12.385 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:-

- Comprehensive protection plan for nearby habitations on the Northern, Eastern and South eastern side.
- The lease is located on small hillock hence protection/ safety plan w.r.t. deployment of men and machine.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

**20. Case No 8158/2021 Shri Brij Kishore Bhargava, Nai Basti, PO & Dist. Katni, MP - 483501 Prior Environment Clearance for Dolomite Mine in an area of 1.40 ha. (22947 tonne per annum) (Khasra No. 173), Village - Magarhata, Tehsil - Badwara, Dist. Katni (MP)**

This is case of Dolomite Miners. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 173), Village - Magarhata, Tehsil - Badwara, Dist. Katni (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 letter no. 597 dated: 27/01/2021 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.65 ha., including this mine.

The project has been proposed for the Mining of dolomite from the Govt. wasteland by open cast through mechanized method. Mining will be confined to the allotted lease area which lies on the Govt waste land from which approximately 22,947 TPA of Dolomite will be excavated per annum. The mining lease has been granted in favour of M/s Brij Kishre Bhargav over an area of 1.40 Ha on Khasra No. 222-old ( new -173) at Village –Magarhata, Tehsil- Badwara Dist. Katni (MP). Mining will be carried out on the basis of govt. consent order for mining operations for 50 years. A total mineable reserve as per the mining plan is 2,14,805 Tonne & with maximum of production of Dolomite mineral of 22,947 TPA. The proposed project is an opencast and fully mechanized mining project, where mining of dolomite will be done through drilling, blasting, rock breaker Jack hamer etc. After presentation and deliberation, PP was asked to submit following information:

1. Revised EMP with inclusion of provision of grazing land

PP vide their letter dated 17.02.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Magrahata Dolomite Mine (1.40 Ha), for 22,947 TPA of dolomite Excavation at Khasra No. 173 at Village –Magarhata, Tehsil- Badwara Dist. Katni (MP) of M/s Brij Kishre on 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. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. 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.
19. 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 288 trees shall be planted on barrier zone, backfilled area, along the transportation route and in village (2300 No of trees) also. It has been reported that total 12 trees are survived within the lease area and out of that 04 trees will be uprooted and 08 will remain same. The compensation plantation of 40 in number shall be done in the village against the uprooted trees.
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. 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 428 M X 1M X 1M, 204M X 1M X 1M, and 525M X 1M X 1M The settling tank will be 01 in number of size 0.1x6mD .
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
  25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
  26. The existing and proposed land use plan of the mine is as follows:

Items	Existing	Conceptual Period
<b>Total lease area</b>	<b>1.40 ha</b>	
Ultimate depth of mining	8 m bgl (440 m MSL)	20 m bgl (428 m MSL)
Ultimate pit slope	Nil	45 degree
Area under dumps	0.10ha	Nil
Area under pits	1.10 ha	1.25 ha
Infrastructure & Road	0.05 ha	Nil
Mineral storage	Nil	Nil
Plantation	0.05ha	0.15 ha (300 No.)
Un-worked area	Nil	Nil
<b>Total</b>	<b>1.40 ha</b>	<b>1.40 ha</b>
Water body	0.75ha	1.25 ha
Area to be reclaimed	Nil	Nil
Plantation		
Un-worked area	0.05ha	0.15 ha (300 Nos.)
Backfilled area	Nil	Nil
Bench area	Nil	Nil
Total area for plantation	Nil	0.15 ha (300 No.)

27. 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.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 13.46 Lakh is proposed and Rs. 4.45 Lakh /year as recurring expenses.
33. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
34. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**21. Case No. – 6651/2019 M/s Hukumchand Stone Lime Company, Nut Bolt House, Nadi Par, Dist. Katni, Prior Environment Clearance for Limestone Quarry in an area of 10.560 ha. (4,99,956 tonne per annum) (Khasra No. 24, 25, 26), Village - Bhatoora, Tehsil - Maihar, Dist. Satna, (MP).**

This is case of Limestone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 24, 25, 26), Village - Bhatoora, Tehsil - Maihar, Dist. Satna, (MP) 10.560 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. 347 dated: 31/1/17 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine total area of 66.253 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 410<sup>th</sup> SEAC meeting dated 02/12/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 6216 dated 12/02/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, Following details of this project were submitted by the PP:

The project has been proposed for the Mining of lime stone from the Private waste by open cast through mechanized method. Mining will be confined to the allotted lease area which lies on the Pvt waste land from which approximately 4,99,956 TPA of lime stone will be excavated per annum. The mining lease has been granted in favour of M/s Hukumchand Limestone company over an area of 10.56 Ha on Khasra No. 24,25,36 situated in Village Bhatoora Tehsil- Maihar &, District Satna, M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 50 years. A total mineable reserve as per the mining plan is 28,60,605 Tonne & with maximum of production of Lime Stone mineral of 28,60,605 TPA. The proposed project is an opencast and fully mechanized mining project, where mining of lime stone will be done through drilling, blasting, rock breaker Jack hamer etc. After presentation and deliberation, PP was asked to submit following information:

1. Revised EMP with inclusion of provision of grazing land

PP vide their letter dated 17.02.2021 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 EC for Bhatoora Limestone Mine (10.56 Ha), 4,99,956 TPA of Lime Stone Excavation) (Khasra - 24,25,36 ) At Village - Bhatoora Tehsil- Maihar &, District Satna, M.P. of M/s HukumChand Lime Stone Company 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. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. 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.
19. 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 10240 trees shall be planted on barrier zone, backfilled area , along the transportation route ( 640 no of trees) and in village ( 5000 No of trees) also.
20. Transportation of material shall be done in covered vehicles.



21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. 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 150 M X 1M X 1M, 332M X 1M X 1M, 100M X 1M X 1M and 319 M X 1M X 1M The settling tank will be 01 in number of size 5.65x 30mD .
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM Period	Conceptual Period
<b>Total lease area</b>	<b>10.56 ha</b>		
Ultimate depth of mining	30 m bgl (371 m MSL)	30 m bgl (371 m MSL)	30m bgl (371 m MSL)
Ultimate pit slope	80 degree	45 degree	45 degree
Area under dumps	1.1392ha	Nil	Nil
Area under pits	6.6673ha	9.4708ha	9.4708ha
Infrastructure & Road	0.1913ha	0.0500ha	0.05ha
Mineral storage	Nil	Nil	Nil
Plantation	Nil	0.50ha	1.00ha
Un-worked area	2.3882ha	0.5392ha	0.0392ha
<b>Total</b>	<b>10.56 ha</b>	<b>10.56 ha</b>	<b>10.56 ha</b>
Water body	3.50ha	3.50ha	7.8525ha
Area to be reclaimed	Nil	0.2890ha	1.6183ha
Plantation			
Un-worked area	Nil	0.50ha (1000No.)	1.00ha (2000No.)

Backfilled area	Nil	0.25ha (500 No.)	1.6183 ha (3240No)
Bench area	Nil	0.50ha (1000no.)	2.50ha (5000 no.)
Total area for plantation	Nil	1.25ha (2500 No.)	5.1183 ha (10240 No.)

27. 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.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

32. In the proposed EMP, capital cost is Rs. 64.49 Lakh is proposed and Rs.19.13 Lakh /year as recurring expenses.
33. As per office memorandum vide no 22-65/2017/IA-III dated 30.09.2020, no financial budget under CER is being proposed. The commitment to address the concern raised during the public hearing issues with physical target shall be complied as below :

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Provision of 04 hand-pumps to facilitate drinking water facility at suggested villages by Gram Panchayat, Bhatoora and surrounding villages
2	Maintenance of village road from lease area to pucca road to be used for transportation of mineral (800 mtrs with 7.5 mtrs width)
3	Provision of employment to local people about 30 in numbers
4	Provision of nonal blasting initiation system and muffle blasting technique to prevent the fly fragment
5	As per OM of MoEFCC, grazing land will be developed as Fodder plot

34. 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.
35. 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.

**22. Case No 8166/2021 M/s Hotel Uma Residency, Chankyapuri, Dist. Satna, MP – 460001 Prior Environment Clearance for Sand Quarry in an area of 5.0 ha. (20000 cum per annum) (Khasra No. 1 Part), Village - Dhamanya, Tehsil - Shahpur, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1 Part), Village - Dhamanya, Tehsil - Shahpur, Dist. Betul (MP) 5.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter (Ekal) no. 84 dated: 11/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. During presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is under submergence, for which PP shall submit revised plan by leaving submerged area as non-mining zone. After presentation the committee asked to submit following details:

- Part of lease submerged in water thus revised production plan leaving non mining area with photographs of the lease area.

PP has submitted the response of above quarries same date vide letter dated 17.02.2021, which was placed before the committee. Committee observed that even after deducting the volume of sand in the submerged area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 17.86 Lakh as capital and Rs 01.44 Lakh/year as recurring are proposed by PP.

**23. Case No 8174/2021 M/s Hotel Uma Residency, Chankyapuri, Dist. Satna, MP – 460001 Prior Environment Clearance for Sand Quarry in an area of 0.620 ha. (9500 cum per annum) (Khasra No. 69 Part), Village - Kachlora, Tehsil - Ghodadongari, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 69 Part), Village - Kachlora, Tehsil - Ghodadongari, Dist. Betul (MP) 0.620 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) letter no. 87 dated: 11/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining. During presentation it was observed by the committee that in the proposed EMP road length budget needs enhancement and PP was asked to submit revised EMP. PP has submitted the response of above quarries same date vide letter dated 17.02.2021, which was placed before the committee. Committee observed that even after deducting the volume of sand in the submerged area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 9,500 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 05.86 Lakh as capital and Rs 01.44 Lakh/year as recurring are proposed by PP.

**24. Case No. – 6590/2019 Shri Kuldeep Choudhary S/o Shri Ramchandra Choudhary, Village - 1/6 Bandichhod Marg, Dist. Dhar, MP. Prior Environment Clearance for Stone Quarry in an area of 3.00 ha. (20,667 cum per annum) (Khasra No. 112), Village - Golpura, Tehsil - Gandhwani, Dist. Dhar (MP). Environment Consultant: Aseries Envirotek India Pvt. Ltd.**

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 112) Village - Golpura, Tehsil - Gandhwani, Dist. Dhar (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. 2143 dated: 11/09/19 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 10.00 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 402<sup>nd</sup> SEAC meeting dated 05/11/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 10/12/2020 which was forwarded through SEIAA vide letter no. 5224 dated 21/12/2020, which was placed before the committee.

The case was presented by the PP and their consultant PP stated that this is a case of capacity expansion of stone from 4,543 CUM to 20,000 CUM. PP stated that the EC compliance report is still awaited from Regional Office, MOEF&CC and this report is expected to obtained within 30 days. Committee accepted PP's request and this case may be re-scheduled again after 30 days when EC compliance report is submitted by PP.

The case was presented by the PP and their consultant wherein PP informed that they have obtained the compliance report from MoEF&CC of previous EC. On examination of compliance report, it was observed by the committee there are two Non Compliances (NC's) reported in the compliance report and PP was asked to submit justified reply on these NC's for further consideration of this project.

**25. Case No 7534/2020 Smt. Lata Singh W/o Shri Vijay Singh, M-195, Bharut Nagar, Dist. Satna, MP - 485001 Prior Environment Clearance for Laterite Mine in an area of 4.253 ha. (30,000 TPA) (Khasra No. 96/1/1, 96/1/2), Village - Aber, Tehsil - Rampur - Baghelan, Dist. Satna (MP).**

This is case of Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 96/1/1, 96/1/2), Village - Aber, Tehsil - Rampur - Baghelan, Dist. Satna (MP) 4.253 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. 1435 dated: 21/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, following sensitivity were recorded:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Human settlement	230	North	No blasting is proposed
Trees	Within lease area	-	No tree cutting is proposed

During presentation PP submits that Open-cast mining and semi mechanized: Proposal of open cast mining is given using machinery and hand tools for excavation and loading purpose. Dispatch of minerals to various destinations will be done by hired truck /dumper. Proper haul road will be maintained for haulage of mineral from working face to stock yard/ dispatch to destination. Mineral is soft in nature, hence blasting is not required. After presentation, the committee asked to submit following details:

- Revised plantation scheme @5110 trees as suggested by the committee during presentation.
- Proposal that prosopis seed shall be sown on the soil of garland drain.

PP has submitted the response of above quarries same date vide letter dated 22.09.2020, 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 Laterite 30,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.06 Lakh as capital and Rs. 0.89 Lakh/year as recurring and under CER Rs. 0.50 Lakh/year is proposed.

The case was discussed in 656<sup>th</sup> SEIAA meeting dtd. 30/01/2021 and it was recorded that.....

“PP has requested vide L.No. nil dated 23/12/2020 for amendment of production capacity 30,000 TPA in place of the production capacity 30,000 cum/year as mentioned in EC issued vide letter no. 4313 dated 27/10/2020.

It seems that the EC was issued on the basis of the recommendation made in minutes of 458<sup>th</sup> SEAC meeting dated 22/09/2020. It is decided that case sent to SEAC with technical fill and with the request letter of PP for re-appraisal.

The case was placed before the committee wherein it was informed to the committee that due to typographical error, the quantity was recommended as 30,000 cum/year while PP has applied for 30,000 TPA. PP has requested for necessary change in the issued EC letter. Committee observed that being typographical error, it is recommended to issue corrigendum and recommended quantity shall for Laterite mining in an area of 4.253 ha., for 30,000 TPA as per approved mine plan.

**26. Case No 8126/2021 Shri Yagyadatta Sharma, Flat No. 106, Shri Apartment Archipuram, New Barapathar, Dist. Seoni, MP - 480661 Prior Environment Clearance for Stone Quarry in an area of 3.850 ha. (102178 cum per annum) (Khasra No. 128/2, 128/3, 129/2, 129/3), Village - Dungariya, Tehsil - Seoni, Dist. Seoni (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 128/2, 128/3, 129/2, 129/3), Village - Dungariya, Tehsil - Seoni, Dist. Seoni (MP) 3.850 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1039 dated: 24/11/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled in 478<sup>th</sup> meeting dated 01/02/2021 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again 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. PP was also absent in the SEAC 478<sup>th</sup> meeting dated 01/02/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein PP was asked to submit NPK analysis report from any government agency for further consideration of this case.

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

**(Dr. R. Maheshwari)**  
**Member**

**(Dr. Rubina Chaudhary)**  
**Member**

**(Dr. Sonal Mehta)**  
**Member**

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

**(Dr. Anil Sharma)**  
**Member**

**(A. A. Mishra)**  
**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 CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
12. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
13. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.

14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, 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. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
23. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
24. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
25. Mining Lease boundary shall be appropriately earmarked with fencing.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

**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. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 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.
13. 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.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.

16. 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.
17. 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.
18. 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.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER 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.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. 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.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. 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.
24. 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.
25. 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.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)

- c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
- i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
  - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
  - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

**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 CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining

activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.

25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. Mining Lease boundary shall be appropriately earmarked with fencing.
27. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

**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 CER 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 CER 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. Additionally in one soil sample, pesticides shall also be analysed.
  26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
  27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
  28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

**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.**

29. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
30. Detailed analysis of availability and quality of the drinking water resources available in the block.
31. 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.
32. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.