

The 479<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 11<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 7621/2020 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 21.733 ha. (91,120 cum per annum) (Khasra No. 165, 1), Village - Badgaon – 2, 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. 165, 1), Village - Badgaon, Tehsil - Nasrullaganj, Dist. Sehore (MP) 21.733 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. 1387 dated: 24/08/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 37.765 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6014 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 21.733 ha in Village –Badgaon, 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 7895/Mining Plan cell-8/N. K.-47/2020 Bhopal dated 14/08/2020 for a production capacity of 91120 m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1386/khanij/2020/Sehore, dated 24/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 684/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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

### **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 (91,120 cum/annum) 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 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 11.02.2021 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 21.733 ha. (91,120 cum per annum) (Khasra No. 165, 1), Village – Badgaon-2, 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**

10. Only manual mining shall be carried out.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.

13. 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.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 33,000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

23. In the proposed EMP, capital cost is Rs. 19.35 Lakh is proposed and Rs. 6.62 Lakh /year as recurring expenses.
24. 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 in 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
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25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**2. Case No 7617/2020 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 16.032 ha. (61,810 cum per annum) (Khasra No. 178), Village – Badgaon-1, 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. 178), Village - Badgaon, Tehsil - Nasrullaganj, Dist. Sehore (MP) 16.032 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. 1386 dated: 24/08/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 37.765 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6010 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 16.032 ha in Village –Badgaon-1, 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 7828/Mining Plan cell-8/N. K.-40/2020 Bhopal dated 14/08/2020 for a production capacity of 61810 m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1386/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 682/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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

#### **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 lead 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 (61,810 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 route 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 11.02.2021 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 16.032 ha. (61,810 cum per annum) (Khasra No. 178), Village – Badgaon-1, 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.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. 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.
5. 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 24000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
6. Transportation of sand shall be done in covered vehicles.
  7. Transportation of sand shall not be carried out through forest area.
  8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
  9. 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.
  10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
  11. The commitments made in the public hearing are to be fulfilled by the PP.
  12. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
  13. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

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

14. In the proposed EMP, capital cost is Rs. 15.12 Lakh is proposed and Rs.12.98 Lakh /year as recurring expenses.
15. 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 in 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

16. 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.

17. 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.

**3. Case No 7626/2020 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 23.341 ha. (90,940 cum per annum) (Khasra No. 223), Village – Ambajdid-2, Tehsil - Rehti, 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 - Rehti, Dist. Sehore (MP) 23.341 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. 1455 dated: 28/08/2020 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6058 dated 08/02/2021, 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 23.341 ha in Village –Ambajadid, 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 7880/Mining Plan cell-8/N. K.-44/2020 Bhopal dated 14/08/2020 for a production capacity of 90940 m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1455/khanij/2020/Sehore, dated 28/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 694/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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

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

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- 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)
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- 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 (90,940 cum) which will be excavated at the QL area will be replenished easily during monsoon season.

### **Plantation**

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

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PP vide their letter dated 11.02.2021 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 23.341 ha. (90,940 cum per annum) (Khasra No. 223), Village – Ambajadid-2, 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.
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  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 34500 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.

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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. 20.10 Lakh is proposed and Rs.4.22 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

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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.

4. **Case No 7610/2020 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 21.582 ha. (92,490 cum per annum) (Khasra No. 224), Village – Ambajdid-1, 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. 224), Village - Ambajdid, Tehsil - Nasrullaganj, Dist. Sehore (MP) 21.582 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. NIL dated: NIL 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6062 dated 08/02/2021, 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 21.582 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 7839/Mining Plan cell-8/N. K.-51/2020 Bhopal dated 14/08/2020 for a production capacity of 92490 m<sup>3</sup> per year.



- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1384/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 670/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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

### **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 (92,490 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 11.02.2021 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 21.582 ha. (92,490 cum per annum) (Khasra No. 224), Village – Ambajdid-1, 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.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. 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.
5. 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 31500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
9. 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.

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

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

14. In the proposed EMP, capital cost is Rs.18.00 Lakh is proposed and Rs.3.62 Lakh /year as recurring expenses.
15. 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 in 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

16. 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.
17. 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.

5. **Case No 7614/2020 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 23.170 ha. (2,30,000 cum per annum) (Khasra No. 508/505, 509/506), Village - Dim war, 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. 508/505, 509/506), Village - Dim war, Tehsil - Nasrullaganj, Dist. Sehore (MP) 23.170 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. 1380 dated: 25/08/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 88.293 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6004 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 23.170 ha in Village –Dim war, 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 7856/Mining Plan cell-8/N. K.-46/2020 Bhopal dated 14/08/2020 for a production capacity of 230000 m<sup>3</sup> per year.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1380/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 676/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated .08.01.2021 near project area
- Opencast manually method for mining by scrapping in 2.00 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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

### **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 (230000 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 11.02.2021 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 23.170 ha. (2,30,000 cum per annum) (Khasra No. 508/505, 509/506), Village - Dim war, 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.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. 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.
5. 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 33000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
9. 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.



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

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

14. In the proposed EMP, capital cost is Rs. 20.45 Lakh is proposed and Rs.13.63 Lakh /year as recurring expenses.
15. 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 in 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

16. 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.
17. 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.

**6. Case No 7623/2020 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 4.00 ha. (17,100 cum per annum) (Khasra No. 363/1), Village – Babri-1, Tehsil - Rehti, 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. 363/1), Village - Babri, Tehsil - Rehti, Dist. Sehore (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 (Ekal Praman-Patr) letter no. NIL dated: 25/8/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 36.64 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6002 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 4.00 ha in Village –Babri, Tehsil- Rehti, 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 7895/Mining Plan cell-8/N. K.-47/2020 Bhopal dated 14/08/2020 for a production capacity of 17100 m<sup>3</sup> per year.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1383/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 688/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated .08.01.2021 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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

### **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 (17,100 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 11.02.2021 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 4.00 ha. (17,100 cum per annum) (Khasra No. 363/1), Village Babri-1, 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.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. 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.
5. 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 6000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
9. 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.

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

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

14. In the proposed EMP, capital cost is Rs. 5.16 Lakh is proposed and Rs.6.70 Lakh /year as recurring expenses.
15. 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 in 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

16. 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.
17. 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.

7. **Case No 7609/2020 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 20.50 ha. (2,05,000 cum per annum) (Khasra No. 363/1), Village – Babri-2, Tehsil - Rehti, 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. 363/1), Village - Babri, Tehsil - Rehti, Dist. Sehore (MP) 20.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1381 dated: 25/08/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 36.62 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 01/02/2021 which was forwarded through SEIAA vide letter no. 6060 dated 08/02/2021, 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 20.50 ha in Village –Babri, Tehsil- Rehti, 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 7864/Mining Plan cell-8/N. K.-33/2020 Bhopal dated 14/08/2020 for a production capacity of 205000 m<sup>3</sup> per year.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1381/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 668/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated .08.01.2021 near project area
- Opencast manually method for mining by scrapping in 2.00 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. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 500 m long & 6m width road which connect to village road and further connected to SH.

### **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 (2,05,000 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 11.02.2021 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 20.50 ha. (2,05,000 cum per annum) (Khasra No. 363/1), Village – Babri-2, Tehsil - Rehti, 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.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. 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.
5. 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 31500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
9. 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.

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

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

14. In the proposed EMP, capital cost is Rs. 18.95 Lakh is proposed and Rs. 3.70Lakh /year as recurring expenses.
15. 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 in 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

16. 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.
17. 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.

**8. Case No. – 7715/2020 M/s Shivshakti Mining, Shri Surendra Sharma, Partner, Narmada Colony, Gandhi Road, Murar, Dist. Gwalior, MP - 474006 Prior Environment Clearance for Stone Quarry in an area of 3.330 ha. (Stone - 73686 cum per annum, Murrum - 55540 cum per annum) (Khasra No. 674, 587, 588, 589, 590), Village - Ladera, Tehsil - Dabra, Dist. Gwalior, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 674, 587, 588, 589, 590), Village - Ladera, Tehsil - Dabra, Dist. Gwalior, (MP) 3.330 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. 145 dated: 08/09/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 12.85 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 461<sup>st</sup> SEAC meeting dated 29/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/01/2021 which was forwarded through SEIAA vide letter no. 5925 dated 29/01/2021, which was placed before the committee.

PP and their consultant presented the EIA presentation before the committee, PP stated that this is a fresh lease which is partially falling on plain land area wherein a kachhi road is passing in the south east margin of the lease and this kachhi road is under possession of the PP. The Murrum which is overlying on the stone is up to 2.5 – 3.0 meter. The conceptual depth of mining is proposed to 27.0 meters. PP further submitted following details of this project:-

- Ladera Stone & Murrum Quarry is a new proposed stone and Murrum Quarry of Shri Surendra Sharma located at Village Ladera, Tehsil-Dabra, District- Gwalior- 475110 (MP).
- It is spreaded over an area of 3.330 ha.
- Under the current EC application the project is proposed for the production capacity of Granite Stone – Max 73,686 m<sup>3</sup>/year & Murrum 55,540 m<sup>3</sup>/year has been proposed.

- Since cluster of active mines area in the immediate surrounding exceeding 5 hectares, therefore EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F.No. L-11011/175/2018/IA-II (M) dated 12/12/2018.
- The estimated life of the mine is approx. 5 years.
- The Mining Lease was sanctioned by the Directorate of geology and Mining MP vide letter no. – 3645/Khanij/U.P./NA.KR 07/2020 dated 01/07/2020 for a period of 10 years.
- The production estimated to be 73,686 m<sup>3</sup>/ Year for stone & for Murrum 55,540 m<sup>3</sup>/ Year.
- The Mining Plan with Progressive Mine Closure Plan has been approved by, Directorate of Geology and Mining Regional Office Gwalior vide letter no. 9414 dated 10.09.2020.

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

- Revised EMP in which propose, 02 overhead water sprinklers as transportation trip is too high in number.
- PP shall be proposed various activities under Corporate Environment Responsibility (CER) with physical targets based on public hearing.
- Revised EMP.
- Commitment from PP that crusher shall not be erected within lease area.

PP vide their letter dated 11.02.2021 submitted above 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 Stone Quarry in an area of 3.330 ha. (Stone – 73,686 cum per annum, Murrum – 55,540 cum per annum) (Khasra No. 674, 587, 588, 589, 590), Village - Ladera, Tehsil - Dabra, Dist. Gwalior, (MP). Subject to the following special conditions and as per Annexure-A:

#### **(A) PRE-MINING PHASE**

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

3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation SW (>500 meter) side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 5000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.

24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be (1.5 m Wide & 1 m Deep & 1050 m Long). The settling tank will be 04 in number of size of 4 m wide, 10 m long & 2.5 m deep.
25. 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.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

<b>Particulars</b>	<b>Present Area in (ha)</b>	<b>After 5 years Area in (ha)</b>	<b>At the end of mine life Area in (ha)</b>
Pits	0.00	2.3276	-
Office & Rest Shelter (barrier zone)	0.000	0.0100	0.000
Plantation (within Barrier Zone)	0.000	0.9924	0.9924
Water Body	0.000	0.000	2.3276
Unused	3.330	0.000	0.0100
Total	3.330	3.330	3.330

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

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

33. In the proposed EMP, capital cost is Rs.12.667 Lakh is proposed and Rs.3.83 Lakh /year as recurring expenses.
34. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period :

Village Name	Particular	Year wise
Ladera	<ul style="list-style-type: none"> <li>Construction of 1 new Classroom and a toilet at village govt primary school of Ladera along with Overhead water supply facility</li> <li>Supply of basic school furniture to village govt primary school Ladera and other items as needed including sports kit</li> <li>Half yearly Health Checkup camp at village Ladera in consultation with local Gram Panchayat</li> <li>Distribution of Masks &amp; Sanitizers to the local villagers of Ladera in 1st year only.</li> <li>Development and maintenance of grassland on a nearby suitable government land of village Ladera (for 1st, 2nd , 3rd, 4th and 5th year)**</li> </ul>	1st to 5th year ** OM No 22-34/2018-IA.III, dated 16.01.2020 from MOEFF &CC Government of India

35. 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.
36. 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.



**9. Case No 7651/2020 Shri Amarnath Sharma, 46, Shanti Vihar, Darpan Colony, Thathipur, Dist. Gwalior, MP - 474011 Prior Environment Clearance for Stone Quarry in an area of 7.818 ha. (4,46,782 cum per annum) (Khasra No. 2394, 2396, 2397/1, 2397/2, 2388, 2390/min-1, 2390/min-2, 2391, 2391/1, 2392/3, 2392/min-2, 2392/min-3, 2392/min-4, 2392/min-5, 2393), Village - Bilaua, Tehsil - Dabra, Dist. Gwalior (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2394, 2396, 2397/1, 2397/2, 2388, 2390/min-1, 2390/min-2, 2391, 2391/1, 2392/3, 2392/min-2, 2392/min-3, 2392/min-4, 2392/min-5, 2393), Village - Bilaua, Tehsil - Dabra, Dist. Gwalior (MP) 7.818 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. QL3 dated: 07/09/18 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 460<sup>st</sup> SEAC meeting dated 24/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/01/2021 which was forwarded through SEIAA vide letter no. 5923 dated 29/01/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee, PP submitted that pit is already excavated and this was took place in year 2018 during road construction. Following details of this project was submitted by the PP:

- Bilaua Stone Quarry is a new proposed stone Quarry of Shri Amarnath Sharma located at Village Bilaua, Tehsil-Dabra, District- Gwalior- 475001(MP).
- It is spreaded over an area of 7.818 ha.
- Under the current EC application the project is proposed for the production capacity of Granite Stone - 4,46,782 m<sup>3</sup>/year has been proposed.
- Since cluster of active mines area in the immediate surrounding exceeding 5 hectares, therefore EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F.No. L-11011/175/2018/IA-II (M) dated 12/12/2018.
- The estimated life of the mine is approx. 5 years.

- Quarry lease has been sanctioned from Department of Geology and Mining, MP vide letter No 7269-73/Khani/QL/F.N.08/2018 dated 06.08.2020 for a period of 10 years
- The production estimated to be 4,46,782 m<sup>3</sup>/ Year for granite stone
- Mining Plan with Progressive Mine Closure Plan has been approved by, Directorate of Geology & Mining MP vide letter no. – 9246-47 dated 08.09.2020 and is valid till 07.09.2030.

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

- Revised EMP in which propose, 02 overhead water sprinklers as transportation trip is too high in number.
- PP shall be proposed various activities under Corporate Environment Responsibility (CER) with physical targets based on public hearing.
- 01 tree felling is proposed hence, PP's commitment that additionally 10 trees shall be planted as compensatory plantation.
- Revised EMP.
- Commitment from PP that crusher shall not be erected within lease area.

PP vide their letter dated 11.02.2021 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 Stone Quarry in an area of 7.818 ha. (4,46,782 cum per annum) (Khasra No. 2394, 2396, 2397/1, 2397/2, 2388, 2390/min-1, 2390/min-2, 2391, 2391/1, 2392/3, 2392/min-2, 2392/min-3, 2392/min-4, 2392/min-5, 2393), Village - Bilaua, Tehsil - Dabra, Dist. Gwalior (MP). Subject to the following special conditions and as per Annexure-A:

#### **(A) PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.

4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**(B) MINING OPERATIONAL PHASE**

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation SW (>500 meter) side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 2350 trees/year shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be (1.5 m Wide & 1 m Deep & 1270 m

- Long). The settling tank will be 04 in number of size of 4 m wide, 15 m long & 2.5 m deep.
25. 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.
  26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
  27. The existing and proposed land use plan of the mine is as follows:

Particulars	Present Area in (ha)	After 5 years Area in (ha)	At the end of mine life Area in (ha)
Plantation (within Barrier Zone)	0.000	0.936	0.936
Water Body	0.000	0.000	6.870
Unused	7.318	0.000	0.0120
Total	7.818	7.818	7.818

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

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

33. In the proposed EMP, capital cost is Rs. 26.78 Lakh is proposed and Rs.7.43 Lakh /year as recurring expenses.
34. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period :

<u>Sr. No.</u>	<u>Village Name/ No of household</u>	<u>Particular</u>	<u>Year wise</u>
1	Billaua	<ol style="list-style-type: none"> <li>Contribution of medical equipments &amp; health checkup programme as per need to primary health center of village Billaua</li> <li>Construction of the 2 new classrooms &amp; a toilet at village govt Secondary school Billaua.</li> <li>Development and maintenance of grassland on a nearby suitable government land at village Billaua (for 1st, 2nd , 3rd, 4th and 5th year)**</li> <li>Distribution of Masks and Sanitizers to the local Villagers of Billaua for the 1st Year.</li> </ol>	1 <sup>st</sup> -3 <sup>rd</sup> Year
2	Beragarh	<ol style="list-style-type: none"> <li>Supply of basic school furniture to village govt primary school Beragarh and other items as needed including sports kit</li> <li>Repair and whitewash of village primary govt school of Beragarh &amp; in addition leveling of its playground.</li> <li>Development and maintenance of grassland on a nearby suitable government land (for 1st, 2nd , 3rd, 4th and 5th year)**</li> <li>4 Contribution in the future water scheme by the government</li> </ol>	4 <sup>th</sup> - 5 <sup>th</sup> year

- 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.
- 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.

**10. Case No 8151/2021 M/s Diamond Construction Company, Authorised Person, Shri Arvind Kumar, 1341, A/11, Model Town, Dhand Road, Dist. Kaithal, Haryana, 136027 Prior Environment Clearance for Stone Quarry in an area of 2.420 ha. (200508 cum per annum) (Khasra No. 488, 490), Village - Shajapur, Tehsil - Pichore, Dist. Shivpuri (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 488, 490), Village - Shajapur, Tehsil - Pichore, Dist. Shivpuri (MP) 2.420 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 Praman-Patr) no. 7344 dated: 27/01/2021 has reported that there are no more mines operating or proposed within 500 meters.

The case was presented by the PP and their consultant PP stated that this lease was obtained under temporary permit (TP) with 1.5 years validity & the method of mining will be open cast. As per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area. It was also observed that habitation is about >450 meter in the SW side. PP further submitted that 03 trees are existed within lease out of which 02 trees are felling. The crusher is not proposed within the lease area. After presentation the committee asked to submit following details:

- Commitment from PP that no crusher is proposed within the lease area.
- 02 tree felling are proposed hence, PP's commitment that additionally 20 trees shall be planted as compensatory plantation.
- Plantation shall be carried out in the first year as lease was obtained under temporary permit (TP) with 1.5 years validity.

PP has submitted the response of above quarries same date vide letter dated 11.02.2021, 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 of Stone as per mine plan with quantity not exceeding 2,00,508 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.89 Lakh as capital and Rs 09.395 Lakh/year as recurring are proposed by PP.

**11. Case No 8146/2021 M/s Radharani Stone Industries, Shri Yatendra Singh Chauhan, Partner, 21, Vivek Nagar, Gird, Dist. Gwalior, MP - 474001 Prior Environment Clearance for Stone Quarry in an area of 1.820 ha. (100000 cum per annum) (Khasra No. 36/1, 36/2, 36/3, 36/4, 36/5), Village - Chandrapura, Tehsil - Morar, Dist. Gwalior (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 36/1, 36/2, 36/3, 36/4, 36/5), Village - Chandrapura, Tehsil - Morar, Dist. Gwalior (MP) 1.820 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. QL07/2019 dated: 21/01/2021 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine total area of 35.604 ha., including this mine.

The case was presented by the PP and their consultant, PP submitted that they have started collected baseline data of the study area from Dec. 2020 to Feb. 2021. Being it's a case Stone Quarry with total area of 35.604 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:-

- Protection plan w.r.t. kachhi road which is >50 meters in the SW this issue shall be discussed in the EIA report.
- 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 MoEFCC's 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.

**12. Case No 8026/2020 M/s Stuti Stone Crushing Company, Prop. SHri Shushil Kumar Jain, S/o Shri B.K.Jain, J-82, Kalka Ji, South Delhi - 110019 Prior Environment Clearance for Stone Quarry in an area of 1.435 ha. (50000 cum per annum) (Khasra No. 3577, 3579/7), Village - Bilaua, Tehsil - Dabra, Dist. Gwalior, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3577, 3579/7), Village - Bilaua, Tehsil - Dabra, Dist. Gwalior, (MP) 1.435 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. QL50 dated: 01/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

In the SEAC 473<sup>rd</sup> SEAC meeting dated 07-01-2021, the case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. It was also observed that this was old excavated mine for which PP submitted that earlier EC was given by DEIAA in year 2017. After presentation the committee asked to submit following details:

- Certified MoEF&CC EC compliance report of earlier EC conditions.



- PP's commitment that no tree felling is proposed.
- Revised plantation species as suggested by committee.

In response to above queries, PP vide dated 11/02/2021 has submitted the above quarries reply and same was placed before the committee and 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 of Stone as per mine plan with quantity not exceeding 50,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.07.62 Lakh as capital and Rs 2.51 Lakh/year are proposed by PP.

**13. Case No 8154/2021 Shri Sujit Mishra S/o Shri Santosh Mishra, Dhanak Mohalla, Pansemal, Dist. Barwani, MP - 451770 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (9999 cum per annum) (Khasra No. 63/1/1, 63/1/2), Village - Matrala, Tehsil - Pansemal, Dist. Barwani (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 63/1/1, 63/1/2), Village - Matrala, Tehsil - Pansemal, Dist. Barwani (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. 97 dated: 22/01/2021 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 during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the lease area is already excavated .PP submitted that it is very old pit and they have got this lease in such condition in the year 2020 and the pit has shown on surface map. During presentation it was observed by committee that, some trees within the lease in the SW corner of the lease PP submitted that this shall be dealt as no mining area. After presentation the committee asked to submit following details:

- 01 tree felling is proposed hence, PP's commitment that additionally 10 trees shall be planted as compensatory plantation.
- Surface map showing non-mining area as some trees within the lease in the SW corner of the lease.

PP vide dated 11/02/2021 has submitted the response of above quarries and same was placed before the committee and 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 of Stone as per mine plan with quantity not exceeding 9,999 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.07.64 Lakh as capital and Rs 2.52 Lakh/year are proposed by PP.

**14. Case No 8148/2021 M/s Siyaram Stone Crusher, Partner, Shri Pramod Sahu, R/o, Behind Iron Majid, Bus Stand Chhatarpur, Dist. Chhatarpur, MP - 471301 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (50000 cum per annum) (Khasra No. 1456/3), Village - Sarani, Tehsil - Chhatarpur, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1456/3), Village - Sarani, Tehsil - Chhatarpur, Dist. Chhatarpur (MP) 4.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 36 dated: 04/01/2021 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 17.30 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 17.30 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 lease is located on small hillock which is about 4-5 meter high from the surface 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.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
- Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.

**15. Case No 7986/2020 Smt. Saroj Singh, Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.625 ha. (Expansion 21227 to 150000 cum per annum) (Khasra No. 499 Part), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 499 Part), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.625 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. 3229 dated: 12/11/2020 has reported that there are 10 more mines operating or proposed within 500 meters around the said mine with total area of 27.278 ha., including this mine.

The case was scheduled in 473<sup>rd</sup> meeting dated 07/01/2021 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 475<sup>th</sup> meeting dated 28/01/2021 & SEAC 473<sup>rd</sup> meeting dated 07/01/2021. 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 scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC 475<sup>th</sup> meeting dated 28/01/2021 & SEAC 473<sup>rd</sup> meeting dated 07/01/2021.. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

**16. Case No 8098/2021 Shri Bhuwanchandra Pandey, Kabrai, Dist. Mahoba, UP Prior Environment Clearance for Stone Quarry in an area of 3.917 ha. (200000 cum per annum) (Khasra No. 1640), Village - Prakash Bamhouri, Tehsil - Gaurihar, Dist. Chhatarpur, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1640), Village - Prakash Bamhouri, Tehsil - Gaurihar, Dist. Chhatarpur, (MP) 3.917 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. 1054 dated: 14/02/2019 has reported

that there are 09 more mines operating or proposed within 500 meters around the said mine total area of 23.917 ha., including this mine.

The case was scheduled in 477<sup>rd</sup> meeting dated 30/01/2021 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 477<sup>rd</sup> meeting dated 30/01/2021. 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 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 477<sup>rd</sup> meeting dated 30/01/2021. 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.

**17. Case No 8133/2021 M/s Gupta Stone Crushing, Smt. Uma W/o Shri Rahul Gupta, R/o, 17/11, Mahakal Vanijya Kendra, Dist. Ujjain, MP – 456010 Prior Environment Clearance for Stone Quarry in an area of 1.20 ha. (4845 cum per annum) (Khasra No. 221/1, 221/2, 222/1, 222/2), Village - Chakjayrampur, Tehsil - Ujjain, Dist. Ujjain (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 221/1, 221/2, 222/1, 222/2), Village - Chakjayrampur, Tehsil - Ujjain, Dist. Ujjain (MP) 1.20 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1080 dated: 24/08/2020 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 wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that building is seen at a distance of >500 meters in the north-west side of the lease PP submitted that it is old college which is under construction. A Kachcha road is existed at a >400 meter. PP further submitted that crusher is proposed in the lease area. After presentation the committee asked to submit following details:

- Revised EMP including budget for WBM road with details of width and length and revised budget for MS sheet of 04 meters height.

PP has submitted the response of above quarries same date vide letter dated 11.02.2021 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 of Stone as per mine plan with quantity not exceeding 4845 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 8.48 Lakh as capital and Rs 04.80 Lakh/year as recurring are proposed by PP.

**18. Case No 8134/2021 Shri Devendra Singh, Piploda Dwarkadhish, Dist. Ujjain, MP – 456664 Prior Environment Clearance for Stone Quarry in an area of 1.910 ha. (Expansion from 10,088 cum per annum to 38076 cum per annum) (Khasra No. 198, 199), Village - Madhopur, Tehsil - Ujjain, Dist. Ujjain (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 198, 199), Village - Madhopur, Tehsil - Ujjain, Dist. Ujjain (MP) 1.910 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. 4056 dated 21/01/2021 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 during presentation it was observed that the lease area is already excavated. PP submitted that this is a case of capacity expansion of stone from 10,088 cum per annum to 38,076 cum per annum and earlier the EC was issued by DEIAA, Ujjain in 19.05.2016. During presentation PP has submitted MoEF&CC compliance report vide no. 043 dated 19.01.2021. After presentation the committee asked to submit following details:

- PP shall be proposed Corporate Environment Responsibility (CER) with physical targets as NC issued under MoEF&CC compliance report.
- Revised EMP including budget for WBM road with details of width and length.

PP has submitted the response of above quarries same date vide letter dated 11.02.2021 alongwith EC compliance report issued by MoEF&CC letter dated 19/01/21, 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 of Stone as per mine plan with quantity not exceeding 38,076 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 09.32 Lakh as capital and Rs 05.95 Lakh/year as recurring are proposed by PP.

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

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

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 690 dated: 28/06/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for 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 426<sup>th</sup> SEAC meeting dated 27/2/2020 & 424<sup>th</sup> SEAC meeting dated 12/02/2020 and. 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 scheduled for presentation, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Earlier PP was also absent in SEAC meeting 426<sup>th</sup> SEAC meeting dated 27/2/2020 & 424<sup>th</sup> SEAC meeting dated 12/02/2020. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

The case was discussed in 651<sup>st</sup> SEIAA meeting dated 29/12/2020 and it has been recorded that.... *PP could not present the case in SEAC due to some unavoidable circumstances hence PP has submitted a request letter vide dated 14/12/2020 received in SEIAA office 15/12/2020 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 in 477<sup>rd</sup> meeting dated 30/01/2021 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 477<sup>rd</sup> meeting dated 30/01/2021. 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 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 477th meeting dated 30/01/2021. 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.

**20. Case No 8141/2021 Shri Om Prakash Parmar S/o Shri Kishorilal Parmar, Village - Shahpur Kodiya, Tehsil & Dist. Sehore, MP - 466001 Prior Environment Clearance for Murrum Quarry in an area of 2.50 ha. (10000 cum per annum) (Khasra No. 401/1), Village - Rafiqganj, Tehsil - Sehore, Dist. Sehore (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 401/1), Village - Rafiqganj, Tehsil - Sehore, Dist. Sehore (MP) 2.50 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal) letter no. 1972 dated: 09/11/2020 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine total area of 18.50 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Murrum thus no blasting is proposed. PP submitted that in the M.O. letter dated 09/11/20 there are 08 more mines are existed within 500 meters but these are non-homogeneous in nature i.e. Stone and Murrum and hence, this shall not be considered as cluster. 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 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 17.30 Lakh as capital and Rs 03.32 Lakh/year as recurring are proposed by PP.

**21. Case No 8152/2021 Shri Dharam Singh S/o Shri Ram Chandra Gurjar, R/o Village - Umrod Dewas, Tehsil - Polaykalan, Dist. Shajapur, MP – 465113 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (6000 cum per annum) (Khasra No. 1332 Part), Village - Umrod Dewas, Tehsil - Polaykalan, Dist. Shajapur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1332 Part), Village - Umrod Dewas, Tehsil - Polaykalan, Dist. Shajapur (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. 40 dated: 09/01/2021 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 wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that another mine is existed in the south- west side of this lease while Collector Office letter no. 40 dated: 09/01/2021 mentioned that no more mines operating or proposed within 500 meters. After presentation the committee asked to submit following details:

- Revised M.O. certificate as another mine (SW side of the lease) is existed within 500 meters around this mine.
- Commitment from PP that right to access shall be provided to the local villagers as kachcha road passing within lease.
- Commitment from PP that crusher shall be erected 100 meter away from the road.

PP has submitted the response of above quarries same date vide letter dated 11.02.2021, which was placed before the committee wherein PP has submitted the revised Mo certificate stating another mine within 500 meters and total cumulative area will be 5.00 ha. The 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 of Stone as per mine plan with quantity not exceeding 6,000 cum/year.

2. A budgetary provision for Environmental management Plan of Rs. 12.49 Lakh as capital and Rs 03.75 Lakh/year as recurring are proposed by PP.

**22. Case No 7955/2020 M/s MKC Infrastructure Ltd, Shivrinar, Anjar, Dist. Kachh, Gujarat - 370110 Prior Environment Clearance for Stone Quarry in an area of 4.90 ha. (400000 cum per annum) (Khasra No. 416/1, 477, 478/1/min-2), Village - Jodma, Tehsil - Garoth, Dist. Mandsaur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 416/1, 477, 478/1/min-2), Village - Jodma, Tehsil - Garoth, Dist. Mandsaur (MP) 4.90 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 3559 dated: 07/10/2020 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 PP stated that this lease was obtained under temporary permit (TP). During presentation it was observed that the lease area is already excavated. PP submitted that it is very old pit and they have got the lease in such condition and this pit has shown on surface map in the Mining Plan and a pucca roads are in the south and east side at a distance of 400 meter. After presentation the committee asked to submit following details:

- Revised plantation scheme as suggested by committee.
- Revised EMP as suggested by committee.
- Commitment that transportation shall be carried out by 40 ton dumpers.

PP has submitted the response of above quarries same date vide letter dated 18.12.2020, 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 of Stone as per mine plan with quantity not exceeding 4,00,000 cum/year.

2. A budgetary provision for Environmental management Plan of Rs. 15.17 Lakh as capital and Rs 06.65 Lakh/year as recurring cost are proposed by PP.

This case was discussed in 652<sup>nd</sup> SEIAA meeting dated 30/12/2020 and it was recorded that.....

*PP has submitted the response of above quarries same date vide letter dated 18/12/2020, which was placed before the committee and the same found satisfactory. The EMP and other submission 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*

PP/consultant made a presentation on all aspects of the project and all concerned issues were discussed in detail. After detailed discussion and perusal of recommendations of 470<sup>th</sup> SEAC meeting dated 18/12/2020, presentation made by the PP in SEIAA, it was observed from the google earth that minerals has been excavated from the lease area, Hence it was decided to send the technical file as SEAC for reappraisal.

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.

**(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 below 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.