

The 480<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 13<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 7616/2020 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 12.140 ha. (71,760 cum per annum) (Khasra No. 245), Village - Jajna, 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. 245), Village - Jajna, Tehsil - Rehti, Dist. Sehore (MP) 12.140 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: 25/08/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 36.34 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. 6006 dated 06/02/2021, which was placed before the committee.

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

- The mine lease of river sand mine on Narmada River is spread over an area of 12.14 ha in Village –Jajna, 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 7824/Mining Plan cell-8/N. K.-54/2020 Bhopal dated 14/08/2020 for a production capacity of 71760 m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1452/khanij/2020/Sehore, dated 28/08/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 680/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 3200 m long & 6m width road which connect to village road and further connected to Main Road.

### **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 (71,760 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, Aanganbadi, School as per submitted plan.

During presentation PP has requested to consider sand mines name as per LOI issued by MPSMC. After presentation and deliberation, PP was asked to submit following information:

1. Undertaking from PP that manually opencast 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. Sand evacuation route should be shown on map with details of road length and width.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

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

PP vide their letter dated 13.02.2021 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 12.14 ha. (71,760 cum per annum) (Khasra No. 245), Village – Jajna, 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**

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 18,000 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**

1. In the proposed EMP, capital cost is Rs. 30.63 Lakh is proposed and Rs.3.90Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Grazing land development	2.30 hectare
2	Water Purifier at Gram Panchayat Bhawan	1 no
3	School Cement sheet shade	200 mtr

3. 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.

4. 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 7627/2020 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 15.801 ha. (72,850 cum per annum) (Khasra No. 241), Village – Jahajpura-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. 241), Village - Jahajpura, Tehsil - Rehti, Dist. Sehore (MP) 15.801 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. 1452 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 66.941 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. 6000 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 15.801 ha in Village –Jahajpura, 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 7872/Mining Plan cell-8/N. K.-48/2020 Bhopal dated 14/08/2020 for a production capacity of 72850m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1452/khanij/2020/Sehore, dated 28/08/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 696/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 900 m long & 6m width road which connect to village road and further connected to Main Road.

### **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 (72,850 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, Aanganbadi, School as per submitted plan.

During presentation PP has requested to consider sand mines name as per LOI issued by MPSMC. 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 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 13.02.2021 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 Jahajpura-1 in an area of 15.801 ha. (72,850 cum per annum) (Khasra No. 241), Village – Jahajpura, 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**

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 24,000 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**

1. In the proposed EMP, capital cost is Rs. 19.30 Lakh is proposed and Rs.2.81Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Grazing land development	0.80 hectare
2	School Boundary wall 9''	750 mtr
3	School Cement sheet shade	500 mtrS

3. 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.
4. 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. No 7625/2020 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 Jahajpura-2 in an area of 23.00 ha. (1,08,840 cum per annum) (Khasra No. 300), Village - Jahajpura, 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. 300), Village - Jahajpura, Tehsil - Rehti, Dist. Sehore (MP) 23.0 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. 453 dated: 28/03/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 66.941 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. 6016 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 23.00 ha in Village –Jahajpura, 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 7860/Mining Plan cell-8/N. K.-43/2020 Bhopal dated 14/08/2020 for a production capacity of 108840m<sup>3</sup> per year.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1453/khanij/2020/Sehore, dated 28/08/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 692/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 2100 m long & 6m width road which connect to village road and further connected to Main Road.

### **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 (1,08,840 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, Aanganbadi, School as per submitted plan.

During presentation PP has requested to consider sand mines name as per LOI issued by MPSMC. 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 13.02.2021 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 Jahajpura-2 in an area of 23.00 ha. (108840 cum per annum) (Khasra No. 300), Village –Jahajpura, 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**

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 34,500 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

1. In the proposed EMP, capital cost is Rs. 32.15 Lakh is proposed and Rs.3.30 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Grazing land development	0.80 hectare
2	Anganbadi Boundary wall 9''	200 mtr
3	CC road village to Narmada jighat	300 mtr

3. 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.
4. 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 7630/2020 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 7.00 ha. (28,680 cum per annum) (Khasra No. 896/1), Village - Shahganj, Tehsil - Budhni, 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. 896/1), Village - Shahganj, Tehsil - Budhni,

Dist. Sehore (MP) 7.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1159 dated: 30/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said 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. 6016 dated 06/02/2021, which was placed before the committee.

PP has submitted the EIA report vide letter dated 01/02/2021 which was forwarded through SEIAA vide letter no. 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 7.00 ha in Village –Shahganj, Tehsil- Budhani, 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 7904/Mining Plan cell-8/N. K.-52/2020 Bhopal dated 14/08/2020 for a production capacity of 28680m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1159/khanij/2020/Sehore, dated 30/07/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 702/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated .09.01.2021 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 1000 m long & 6m width road which connect to village road and further connected to SH 22.

### **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 (28,680 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, Aanganbadi, School as per submitted plan.

During presentation PP has requested to consider sand mines name a per LOI issued by MPSMC. 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 13.02.2021 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 7.00 ha. (28,680 cum per annum) (Khasra No. 896/1), Village - Shahganj, Tehsil - Budhani, 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 10,500 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**

1. In the proposed EMP, capital cost is Rs. 13.10 Lakh is proposed and Rs.2.22 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Grazing land development	2.00 hectare
2	SchoolBoundry wall 9''	1500 mtr

3. 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.
  4. 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 7622/2020 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 Janwasa -2 in an area of 20.00 ha. (1,20,000 cum per annum) (Khasra No. 155/1/1), Village - Janwasa, Tehsil - Budhni, 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. 155/1/1), Village - Janwasa, Tehsil - Budhni, Dist. Sehore (MP) 20.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1161 dated: 30/07/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 59.00 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. 6012 dated 06/02/2021, which was placed before the committee.

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

- The mine lease of river sand mine on Narmada River is spread over an area of 20.00 ha in Village –Janwasa, Tehsil- Budhani, 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 7884/Mining Plan cell-8/N. K.-7/2020 Bhopal dated 14/08/2020 for a production capacity of 120000m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1161/khanij/2020/Sehore, dated 30/07/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 686/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated .09.01.2021 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 600 m long & 6m width road which connect to village road and further connected to Main Road.

### **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 (1,20,000 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, Aanganbadi, School as per submitted plan.

During presentation PP has requested to consider sand mines name as per LOI issued by MPSMC. 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 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 13.02.2021 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 Janwasa-2 in an area of 20.00 ha. (1,20,000 cum per annum) (Khasra No. 155/1/1), Village - Janwasa, Tehsil - Budhani, 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 30,000 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**

1. In the proposed EMP, capital cost is Rs. 21.57 Lakh is proposed and Rs.3.70 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Grazing land development	0.80 hectare
2	Development of CC road village Road to Ghat	300 mtr
3	Anganbadi Boundary wall 9''	200 mtr

3. 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.
  4. 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 7615/2020 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 Janwasa-1 in an area of 14.00 ha. (84,000 cum per annum) (Khasra No. 154), Village - Janwasa, Tehsil - Budhni, 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. 154), Village - Janwasa, Tehsil - Budhni, Dist. Sehore (MP) 14.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1157 dated: 30/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said 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. 6008 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 14.00 ha in Village –Janwasa, Tehsil- Budhani, 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 7836/Mining Plan cell-8/N. K.-45/2020 Bhopal dated 14/08/2020 for a production capacity of 84000m<sup>3</sup> per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1163/khanij/2020/Sehore, dated 30/07/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 678/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated .09.01.2021 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 3300 m long & 6m width road which connect to village road and further connected to Main Road.

### **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 (84,000 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, Aanganbadi, School as per submitted plan.

During presentation PP has requested to consider sand mines name a per LOI issued by MPSMC. 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 13.02.2021 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 Janwasa-1 in an area of 14.00 ha. (84,000 cum per annum) (Khasra No. 154), Village - Janwasa, Tehsil - Budhani, 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 21,000 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**

1. In the proposed EMP, capital cost is Rs. 32.30 Lakh is proposed and Rs. 3.94 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets	Remarks
1	Grazing land development		2.30 hectare
3	Development of drainage system		300 mtr
4	Maintenance of village road, Anganwadi& School building		300 mtr village road, 9'' boundary wall at school.

3. 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.
4. 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 6999/2020 M/s A.W. and Sons Marble, 907/1, Badi Omti, Dist. Jabalpur, MP – 482002 Prior Environment Clearance for Marble Mine in an area of 10.79 ha (Marble - 2218 cum per annum, Waste - 8870 cum per annum) (Khasra No. 807, 808/1, 808/2, 808/3, 812/1, 812/2, 813, 816, 817, 818/1, 818/2, 818/3), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP)**

This is case of Marble Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 807, 808/1, 808/2, 808/3, 812/1, 812/2, 813, 816, 817, 818/1, 818/2, 818/3), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP) 10.79 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. 168 dated: 21/1/2019 has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 33.86 ha., including this mine.

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

PP has submitted the EIA report vide letter dated NIL/02/2021 which was forwarded through SEIAA vide letter no. 5927 dated 29/01/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committees, PP stated that they have conducted hydro- geological study from CSIR-Central Institute of Mining and Fuel Research Barwa Road, Dhanbad and the area fall in the green zone, roof top structure is suggested for ground water harvesting. Moreover, slurry management plan has been also carried out, following are the outcomes were found-

- Generation of Slurry is 1 kg per cubic meter.
- Approximately 2500 kg slurry will be generated every year, 10kg slurry will be generated in a day.
- Settling tank will be cleaned monthly and same will be transported to marble park by covered transport.

PP also presented the findings of Mineralogical Composition of RPM which are given below:

1.	Calcium as Ca	1.60	2.00	1.70	1.60	1.65
2.	Magnesium as Mg	0.65	0.7	0.66	0.65	0.70
3.	Sodium as NA	0.07	0.08	0.07	0.08	0.065
4.	Potassium as K	BDL	BDL	BDL	BDL	BDL
5.	Iron as Fe	0.065	0.065	0.07	0.07	0.066
6.	Aluminum	1.30	1.30	1.30	1.30	1.35
7.	Silica	1.60	1.62	1.60	1.60	1.62
8.	Lead	BDL	BDL	BDL	BDL	BDL
9.	Chromium	BDL	BDL	BDL	BDL	BDL
10.	Nickel	BDL	BDL	BDL	BDL	BDL

Further, in the DFO, letter vide no 7118 dated 11/10/2018 forest parcel-248 is about at a distance of approx. 105 meters from the lease boundary, for which PP has obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 19.11.2015. After presentation and deliberation, PP was asked to submit following information:

1. Revised surface plan leaving existing trees occupied area as non- mining zone in the south-east & south – west part of the lease.

2. Undertaking from PP that no tree felling is proposed.
3. Revised Plantation scheme @1500 plants /ha..
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 13.02.2021 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 Marble Mine in an area of 10.79 ha (Marble - 2218 cum per annum, Waste - 8870 cum per annum) (Khasra No. 807, 808/1, 808/2, 808/3, 812/1, 812/2, 813, 816, 817, 818/1, 818/2, 818/3), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP) subject to the following special conditions:

**(A) PRE-MINING PHASE**

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

**(B) MINING OPERATIONAL PHASE**

1. No intermediate stacking is permitted at the mine site.
2. No dump shall be stacked outside the lease area.
3. Overhead sprinklers shall be provided in mine.



4. 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.
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 16,200 no of trees shall be planted on barrier/non working zone, backfilled area, village and along the transportation route.
6. Transportation of material shall be done in covered vehicles.
7. Transportation of minerals shall not be carried out through forest area.
8. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
9. 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 782m x 1.5m x 2m The settling tank will be 05 in number of size 5m x 3m x 3m.
10. 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.
11. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
12. The existing and proposed land use plan of the mine is as follows:

S. No.	Heads	At Present Ha	At the End of 5 Years Ha	At the End of Conceptual Period Ha
1	Total Area Excavated by Mining Activity (Broken)	0.3845	0.7657	9.1297
2	Area Fully Mined Out (Out of 1)	-	-	9.1297
3	Area Fully Reclaimed (Back Filled) (Out of 2)	-	-	4.7637
4	Area Rehabilitated (Out of 3) by Afforestation, Agri. Use, Hutment etc.	-	-	4.7637

5	Area Rehabilitated by Natural Rehabilitation	-	-	3.7250
6	Area Fully Rehabilitated by Bench/Slope Afforestation (Out of 2)	-	-	0.614
7	Plantation on undisturbed area that is BZ	.6603	1.000	1.0663HA
8	TOTAL			10.79 HA

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

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

18. In the proposed EMP, capital cost is Rs. 29.16 Lakh is proposed and Rs.7.75 Lakh /year as recurring expenses.
19. PP shall be proposed under as Corporate Environment Responsibility (CER) with physical targets based on public hearing.

S. No.	Activity	Year
	Provisions for Water purifier & its maintenance (1 Nos) at CHC center of village Rakhi & public bus stop of village Nimas, Rakhi	Ist
	Provisions for Construction and maintenance of village roads adjacent to project site (300M)	

	Provision of 0.5 KW Solar Panels X2 with other accessories & its maintenance in Gram Panchayat of village niams, Rakhi	
	Provision of 1 Rain Water Harvesting Structure with closed drains & maintenance at Gram Panchayat of Village niams, Rakhi	
	Provisions for Repairing & Maintenance of boundary wall & colouring of school building at Govt. Higher Senior Secondary School of village Saleemnabad & Govt. Primary School of Village niam, Rakhi	<b>IInd</b>
	Provision of 1 Rain Water Harvesting Structure with closed drains & maintenance at Gram Panchayat of Village Nimas	
	Provision of one 0.5 KW Solar Panels with other accessories & its maintenance in Gram Panchayat of village Jubal and Neemkhera .	<b>IIIRD</b>
	Provisions for Repairing & Maintenance of boundary wall & colouring of school building at Govt. Higher Senior Secondary School of village Neemkhera & Jujbal	

20. 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.
21. 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 8034/2020 M/s Navalsingh Sahakari Shakkar Karkhana Maryadit, Shri R.N.Gupta, Managing Director, Navalnagar - Ziri, Tehsil & Dist. Burhanpur, MP Prior Environment Clearance for Proposed Molasses Based Distillery Plant of 30 KLPD at Village - Navalnagar - Ziri, DIst. Burhanpur, (MP)**

This is case of Prior Environment Clearance for Proposed Molasses Based Distillery Plant of 30 KLPD at Village - Navalnagar - Ziri, DIst. Burhanpur, (MP).

The case was scheduled in 474<sup>th</sup> meeting dated 08/01/2021 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 475<sup>th</sup> meeting dated 28/01/2021 & 474<sup>th</sup> meeting dated 08/01/2021. 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 presented by the PP and their consultant, wherein PP submitted revised form-1 incorporating all sensitive features. Following details of the project are presented by PP :-

- M/s.Navalsingh Sahakari Shakkhar Karkhana Maryadit(NSSKM) was registered as a Co-operative Society vide Registration No. AR/ KWA/1238 dated 8.4.1981.
- Existing unit consist of sugar unit of crushing capacity 2500 TCD with 3 MW captive power generation unit.
- NSSKM obtained IEM license no. 26612 dated 30.6.2020 from Ministry of Commerce and Industry, Govt. of India for setting up distillery for production of ethanol from cane molasses.
- The Management of NSSKM is presently under the dynamic leadership of Shrimati. Kishoridevi Shivkmar Singh as the Chairman and Shri Prakash Dina Mahajan as the Vice-Chairman.
- Existing Industry is complying with all the CREP guidelines.
- The company has provided adequate waste water treatment facilities. Treated effluent is being used for irrigation both plantation and agriculture purpose
- Solid waste generated from ETP (Primary & secondary sludge) is dried on separated sludge drying beds. Dried sludge is used as manure in company's farm land for cultivation.
- NSSKM has installed adequate no. of fire extinguishers at different locations within the factory premises to meet any hazard & minimize damage to environment, human beings & properties
- Industry has installed online monitoring system both for effluent & emissions.
- The sugar unit generates byproducts viz. bagasse, molasses and press mud.

- To be economically and environmentally sustainable, it is necessary for the sugar industries to convert these byproducts into high value products.
- Hence, the company has proposed to establish a new molasses based 30 KLPD distillery unit.
- The distillery plant will be based on Latest Technology of fed batch/continuous fermentation process and multi pressure distillation with evaporation system to produce R.S., ENA and Fuel Alcohol (Anhydrous Alcohol) from molasses.
- The management of NSSKM has also decided to go for spent wash bio methanation, concentration of bio-methanated spent wash and composting system to achieve —Zero Liquid Discharge of spent wash.

After deliberations committee has issued following TORs' in addition to the standard TOR prescribed by the MoEF&CC with following additional TORs and as per conditions mentioned in Annexure-D:-

- Inventory of the existing trees with their girth details & height. As well as future plan.
- Is any excess quantity of molasses is available?

9. **Case No 8144/2021 M/s Rai Stone Crusher, Prop., Shri Amit Kumar Rai, Rai Bhawan, Katni Road, PO - Maihar, Dist. Satna, MP – 485771 Prior Environment Clearance for Stone Quarry in an area of 3.659 ha. (71250 tonne per annum) (Khasra No. 903/4), Village - Bathia, Tehsil - Maihar, Dist. Satna (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 903/4), Village - Bathia, Tehsil - Maihar, Dist. Satna (MP) 3.659 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. 2882 dated: 30/12/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine total area of 11.971 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 11.971 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:-

- In the NW side, lease is slightly stretched PP shall left this area as non- mining area as per NGT order w.r.t. to settlement.
- Inventory of 01existing tree with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report due to another mine is in vicinity.
- Land agreement details.
- 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.
- 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.
- In the EIA, Blast induced ground vibration study to be conducted. proposed blasting parameters with peak particles velocity, spacing between two holes, depth of charging, explosive used for per hole, powder factor , quantity of explosive per blasting etc.. Give such details in an integrated protection measures to avoid fly rocks projectile due to blasting in the nearby habitation.

**10. Case No 8145/2021 M/s Vijay & Company, Raj Bhawan, Katni Road, PO - Maihar, Dist. Satna, MP - 485771 Prior Environment Clearance for Stone Quarry in an area of 3.659 ha. (71250 tonne per annum) (Khasra No. 903/2), Village - Bathia, Tehsil - Maihar, Dist. Satna (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 903/2), Village - Bathia, Tehsil - Maihar, Dist. Satna (MP) 3.659 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. 2881 dated: 30/12/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 5.679 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 5.679 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:-

- In the NW side lease is slightly stretched PP shall left as non- mining area as per NGT order w.r.t. to settlement.
- Inventory of 01existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report due to another mine is in vicinity.
- Land agreement details.
- 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.
- 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.
- In the EIA, Blast induced ground vibration study to be conducted. proposed blasting parameters with peak particles velocity, spacing between two holes, depth of charging, explosive used for per hole, powder factor , quantity of explosive per blasting etc.. Give such details in an integrated protection measures to avoid fly rocks projectile due to blasting in the nearby habitation.

**11. Case No 8132/2021 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 3.0 ha. (20001 cum per annum) (Khasra No. 299), Village - Ghatpipariya-4, Tehsil - Baraily, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 299), Village - Ghatpipariya-4, Tehsil - Baraily, Dist. Raisen (MP) 3.0 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. 2293 dated: 02/09/2020 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 is a case of river sand mining on Narmada River, the method of mining will be manual. During presentation it was observed by the committee that matter was sub judicious in the High Court and H'ble Supreme Court wherein no information is submitted by PP in the Form-I. Hence, after presentation the committee asked to submit following details for further appraisal of this case:

- Summary of the court orders given by H'ble High Court and H'ble Supreme Court in the chronological sequence.

**12. Case No 8143/2021 Shri Rajendra Raghuwanshi, D-4, Phase-2, Shri Ram Colony, Hoshangabad Road, Dist. Bhopal, MP - 464385 Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (1000 cum per annum) (Khasra No. 735), Village - Boras-1, Tehsil - Udaypura, Dist. Raisen (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 735), Village - Boras-1, Tehsil - Udaypura, Dist. Raisen (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. 2293 dated: 02/09/2020 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 is a case of river sand mining on Narmada River, the method of mining will be manual. During presentation it was observed by the committee that matter was sub judicious in the H'ble High Court and H'ble Supreme Court wherein no information is submitted by PP in the Form-I. Hence, after presentation the committee asked to submit following details for further appraisal of this case:

- Summary of the court orders given by H'ble High Court and H'ble Supreme Court in the chronological sequence.

**13. Case No 8137/2021 M/s Hotel Uma Residency, Chankyapuri, Dist. Satna, MP - 460001 Prior Environment Clearance for Sand Quarry in an area of 4.80 ha. (18380 cum per annum) (Khasra No. 30 Part), Village - Chichdol Raiyat, Tehsil - Ghodadongari, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 30 Part), Village - Chichdol Raiyat, Tehsil - Ghodadongari, Dist. Betul (MP) 4.80 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 85 dated: 11/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that The PP stated that this is a case of river sand mining on Bhagandar River. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 18,380 cum/year.

2. A budgetary provision for Environmental management Plan of Rs. 16.86 Lakh as capital and Rs 01.44 Lakh/year as recurring are proposed by PP.

**14. Case No 8139/2021 M/s Hotel Uma Residency, Chankyapuri, Dist. Satna, MP – 460001 Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (21000 cum per annum) (Khasra No. 316 Part), Village - Chikhali Raiyat, Tehsil - Shahpur, Dist. Betul (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 316 Part), Village - Chikhali Raiyat, Tehsil - Shahpur, Dist. Betul (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. 86 dated: 11/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine total.

The case was presented by the PP and their consultant. PP stated that The PP stated that this is a case of river sand mining on Morand River. During presentation it was observed by the committee that lease is in two parts for which PP submitted that it is allotted in two parts because in the non allotted area there is a kachha road for crossing the river for villagers. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 21,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.76 Lakh as capital and Rs 01.44 Lakh/year as recurring are proposed by PP.

**15. Case No 8135/2021 M/s 52 Stone Crusher Industries, Partner, Shri Ejaz Baksh, Nagihiri, Tehsil & Dist. Burhanpur, MP – 450331 Prior Environment Clearance for Stone Quarry in an area of 1.870 ha. (6498 cum per annum) (Khasra No. 12), Village - Dongargaon, Tehsil - Burhanpur, Dist. Burhanpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 12), Village - Dongargaon, Tehsil - Burhanpur, Dist. Burhanpur (MP) 1.870 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. 390 dated: 30/12/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.870 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee a pucca road is existed at a distance of >500 meters in NE side of the lease. After presentation the committee asked to submit following details:

- Revised evacuation route details.
- Revised EMP with include revised transportation budget.

PP has submitted the response of above quarries same date vide letter dated 13.02.2021, 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 6498 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.06 Lakh as capital and Rs 02.06 Lakh/year as recurring cost are proposed by PP.

**16. Case No 8136/2021 M/s Adarsh Kamgar Karigar Audhyogik Sahkari Samiti, President, Shri Yusuf Baksh, Nagjhiri, Tehsil & Dist. Burhanpur, MP – 450331 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (7125 cum per annum) (Khasra No. 09), Village - Dongargaon, Tehsil - Burhanpur, Dist. Burhanpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 09), Village - Dongargaon, Tehsil - Burhanpur, Dist. Burhanpur (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. 385 dated: 29/12/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.870 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee a pucca road is existed at a distance of >274 meters in NE side of the lease . After presentation the committee asked to submit following details:

- Revised evacuation route details.
- Revised EMP with include revised transportation budget.

PP has submitted the response of above quarries same date vide letter dated 13.02.2021, 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 7125 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.36 Lakh as capital and Rs 02.08 Lakh/year as recurring cost are proposed by PP.

**17. Case No 8138/2021 Smt. Jaikumar Bai Rajput W/o Shri Prem Singh Rajput, Ward No. 03, Udaipura, Dist. Raisen, MP – 464551 Prior Environment Clearance for Stone Quarry in an area of 3.286 ha. (32300 cum per annum) (Khasra No. 90), Village - Chhind, Tehsil - Udaipura, Dist. Raisen (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 90), Village - Chhind, Tehsil - Udaipura, Dist. Raisen (MP) 3.286 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. Q dated: 17/12/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 4.626 ha., including this mine.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that as per Google image based on coordinates provided by PP the entire lease area is surrounded by agriculture land. Moreover, PP stated that this is a private land. Committee after deliberation decided that mining on agricultural field shall not be encouraged and thus asked PP to submit soil testing analysis report particularly w.r.t. Nitrogen (N), Phosphorous (P) and Potassium (K) values from their field from any Government approved Soil Testing Laboratory for further consideration of the case.

**18. Case No 8015/2020 Shri Ashok Etalkar, MIG-398, Ram Nagar, Dist. Khandwa, MP - 450001 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (60420 cum per annum) (Khasra No. 56), Village - Rudhy, Tehsil - Khandwa, Dist. Khandwa, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 56), Village - Rudhy, Tehsil - Khandwa, Dist. Khandwa, (MP) 4.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed

format duly verified in the Collector Office letter no. 1079 dated: 16/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation in 472<sup>th</sup> SEAC meeting dated 06/01/2021 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was 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 SEAC 476<sup>th</sup> meeting dated 29/01/2021 & 472<sup>th</sup> SEAC meeting dated 06/01/2021. 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 presented by the PP and their consultant during presentation it was observed that this is a case of capacity expansion of stone from 23,400 cum per annum to 60,420 cum per annum. Hence, the PP was asked to submit, MoEF&CC compliance report in this above context then after case shall be appraised.

**19. Case No 8155/2021 Shri Digvijay Singh Tomar S/o Shri Rudraransingh Tomar, Gram - Gujarkhedi, Tehsil - Punasa, Dist. Khandwa, MP – 450001 Prior Environment Clearance for Stone & Murrum Quarry in an area of 1.890 ha. (Stone 25000 cum per annum & Murrum – 4000 cum per annum) (Khasra No. 187), Village - Nandkheda Raiyyat, Tehsil - Punasa, Dist. Khandwa (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 187), Village - Nandkheda Raiyyat, Tehsil - Punasa, Dist. Khandwa (MP) 1.890 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. 1345 dated: 19/01/2021 has reported

that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 3.890 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 Stone & Murrum mining. During presentation it was observed by committee that in the NE corner of the lease some old houses are seen with plantation PP submitted that these are labour quarter and plantation was done by the PP. After presentation the committee asked to submit following details:

- Commitment from PP that existing tree occupied area shall be dealt as non-mining area.
- Revised plantation species.
- Pit bottom space at conceptual level.

PP has submitted the response of above quarries same date vide letter dated 13.02.2021, 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- 25000 cum per annum & Murrum – 4000 cum per annum as per mine plan.
2. A budgetary provision for Environmental management Plan of Rs. 18.51 Lakh as capital and Rs 02.05 Lakh/year as recurring are proposed by PP.

**20. Case No 7365/2020 M/s Bamdev Global, Authorized Person, Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road, Dist. Banda, UP - 210001 Prior Environment Clearance for Sand Quarry in an area of 7.00 ha. (35,000 cum per annum) (Khasra No. 01) at Village- Nachankheda, Tehsil- Burhanpur, District- Burhanpur (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01) at Village- Nachankheda, Tehsil- Burhanpur, District- Burhanpur (MP) 7.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 159 dated 03/2/2020 has reported

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

The case was scheduled again for presentation in 450<sup>th</sup> meeting dated 13/8/2020 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 447<sup>th</sup> meeting dated 22/07/2020.. 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 450<sup>th</sup> meeting dated 13/8/2020 and 447<sup>th</sup> meeting dated 22/07/2020. 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 653<sup>rd</sup> SEIAA meeting dated 08/01/2021 and it has been recorded that....

As per above observation of SEAC, it has been decided to delist the case on the condition that if PP intends to present the case in SEIAA, it will then be relisted for appraisal,

PP has submitted a request letter vide letter 24/12/2020 received in SEIAA Office 24/12/2020 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 presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Tapti River as per Google image it was observed that a part of lease is submerged in the water, PP shall consider revised Production Plan leaving setback in lease as per Enforcement & Monitoring Guidelines for Sand Mining, 2020. During presentation PP submits that they have started collecting baseline data of the study area from Dec.2020 and Feb. 2021. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. Being it's a case sand quarry with total area of > 5.00 ha, and according to the latest O.M F.No. L-11011/175/2018/-IA-II



(M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.
- 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(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

**21. Case No 7384/2020 M/s Bamdev Global, authorized person Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road Banda (UP)-210001 Prior Environment Clearance for Sand Quarry in an area of 13.600 ha. (40000 cum per annum) (Khasra No. 439) at Village- Fatepur, Tehsil- Burhanpur, District- Burhanpur (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 439) at Village- Fatepur, Tehsil- Burhanpur, District- Burhanpur (MP) 13.600 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. 159 dated 03/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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 450<sup>th</sup> meeting dated 13/8/2020 and 449<sup>nd</sup> meeting dated 24/07/2020. 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 653<sup>rd</sup> SEIAA meeting dated 08/01/2021 and it has been recorded that....

As per above observation of SEAC, it has been decided to delist the case on the condition that it PP intends to present the case in SEIAA, it will then be relisted for appraisal,

PP has submitted a request letter vide letter 24/12/2020 received in SEIAA Office 24/12/2020 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 presented by the PP and their consultant, during presentation PP stated that this is a case of river sand mining on Tapti River as per Google image it was observed that a part of lease is submerged in the water , PP shall considered revised Production Plan leaving setback in lease as per Enforcement & Monitoring Guidelines for Sand Mining, 2020. During presentation PP submits that they have started collecting baseline data of the study area from Dec.2020 and Feb. 2021. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. Being it's a case sand quarry with total area of > 5.00 ha, and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Sand evacuation route avoiding human settlement shall be discussed in the EIA report.

- 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(if any).
- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- Revised plan leaving if there is any submerged within lease area and submerged area shall be left as non-mining zone. If any rivulet is joining the lease safety zone 50-50 meters both side shall be left as non mining area.

**22. Case No 8016/2020 M/s Shakambhari Stone Crusher, Prop., SHri Vijay Kumar Mittal, R/o, Ward No. 09, Bajrang Chowk, Pendra Dist. Bilaspur (CG) Prior Environment Clearance for Stone Quarry in an area of 1.011 ha. (12004 cum per annum) (Khasra No. 923), Village - Dauniya, Tehsil - Pushprajgarh, Dist. Anuppur, (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 923), Village - Dauniya, Tehsil - Pushprajgarh, Dist. Anuppur, (MP) 1.011 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. 1505 dated: 03/10/2020 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 wherein it was observed by the committee that it's a case of Stone mining and as per lease sanction letter dated 28.09.2020 PP shall obtain permission from competent Authority of Achanakmar Bio-sphere reserve. Moreover on the Google image some houses are in existence on the North & NE side of

the lease in the vicinity at a distance of 14 meter & 142 meter for which PP/Env. Consultant submitted that ownership of these houses belongs to him. After presentation the committee asked to submit following details:

- PP shall submit justification for Achanakmar Bio-sphere reserve and permission from competent authority.

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.

The case was presented by the PP and their consultant wherein the query reply case was presented by the PP and their consultant. During presentation PP was asked to lay, all the coordinate of Achanakmar ESZ (S.O.3654 (E) 10.10.2019) on Goggle map to confirm the location of lease area w.r.t. to Achanakmar ESZ/ BR.

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

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

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

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

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

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

**(A. A. Mishra)**  
**Secretary**

**(Mohd. Kasam Khan)**  
**Chairman**

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

**Annexure- 'A'**

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

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

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

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.

16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)



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

**Annexure- 'C'**

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

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

account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.

10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining

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

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

**Annexure- 'D'**

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

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed

- should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
  18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
  19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
  20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
  21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
  22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
  23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
  24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
  25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
  26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
  27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
  28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

**FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.**

29. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
30. Detailed analysis of availability and quality of the drinking water resources available in the block.
31. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
32. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.