

The 490th meeting of the State Expert Appraisal Committee (SEAC) was held on 16rd March, 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 7542/2020 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 10.0 ha. (25,200 cum per annum) (Khasra No. 1288, 1339), Village - Bahadurpura, Tehsil - Raun, Dist. Bhind (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1288, 1339), Village - Bahadurpura, Tehsil - Raun, Dist. Bhind (MP) 10.0 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. 672 dated: 18/08/2020 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 455th SEAC dated 16/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7122 dated 09/3/2021, 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 Sindh River is spread over an area of 10.00 ha in Village –Bahadurpura, Tehsil- Ron, Dist- Bhind, 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/2020/546 Bhopal, dated 01/02/2020 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. Kramank7811-13 Mining Plan Cell 1/ N.K. 48/2020 Bhopal, dated 14/8/25020 for a production capacity of 25200 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-Q/03/Khanij/2020/672 Bhind, dated 18/8/2020.
- Opencast Semi-mechanised and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (25,200 cum in 10.00 ha) 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 scheme. After presentation and deliberation, PP was asked to submit following information:

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 10.0 ha. (25,200 cum per annum) (Khasra No.-1288, 1339), Village – Bahadurpura, Tehsil - Raun, Dist. Bhind (MP).subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
4. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 15,000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
5. Transportation of sand shall be done in covered vehicles.
6. Transportation of sand shall not be carried out through forest area.

7. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
8. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. The commitments made in the public hearing are to be fulfilled by the PP.
11. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
12. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

13. In the proposed EMP, capital cost is Rs. 35.88Lakh is proposed and Rs.1.79Lakh /year as recurring expenses.
14. Under CER activity, following activities are proposed based public hearing issues.

Description	Physical Target	Description
Maintenance of School Building	1 no	Maintenance of School Building
Plantation in the village area	5000 nos	Plantation in the village area
Development of grazing land	Near by village	Development of grazing land
Maintenance/ Development of Panchayat Cattle House	1 no	Maintenance/ Development of Panchayat Cattle House

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

2. Case No 7543/2020 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 9.00 ha. (46,080 cum per annum) (Khasra No. 1, 360), Village - Ajeeta, Tehsil - Mehgaon, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 360), Village - Ajeeta, Tehsil - Mehgaon, Dist. Bhind (MP) 9.00 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. 436 dated: 24/07/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 71.45 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 455th SEAC dated 16/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7124 dated 09/3/2021, which was placed before the committee.

- The mine lease of river sand mine on Sindh River is spread over an area of 9.00 ha in Village –Ajeeta, Tehsil- Mihona, Dist- Bhind, 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/Ret2020/546 Bhopal,dated -01/02/2020as 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. Kramank-7518/Mining Plan cell 1/ N.K.44/2020 Bhopal, Dated 10/8/2020for a production capacity of 46080 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-Q/03/Khanij/2020/436 Bhind, Dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 606/PS-MS/MPPCB/SEAC/TOR(455)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 15.01.2021 near project area.

- Opencast Semi-mechanised and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (46,080 cum in 9.00 ha) 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 scheme. After presentation and deliberation, PP was asked to submit following information:

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 9.0 ha. (46,080 cum per annum) (Khasra No.- 1, 360), Village – Ajeeta, Tehsil - Mehgaon, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 13500 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-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. –34.99Lakh is proposed and Rs.1.99Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Development of sewerage system like toilet/ Washroom for the village	2 no.

2	Maintenance of Village Road	600 sqm (200 length & 3 m width)
3	Plantation in village area	5500 nos
4	Development of Sewerage system	50 m

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of underutilization of budgetary provisions for EMP should be addressed in annual return.

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

3. **Case No 7550/2020 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 1.702 ha. (7,872 cum per annum) (Khasra No. 849, 855, 1486), Village – Kheira Shyampura, Tehsil - Bhind, Dist. Bhind (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 849, 855, 1486), Village - Kheira Shyampura, Tehsil - Bhind, Dist. Bhind (MP) 1.702 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. 518 dated: 05/08/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 40.650 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 455th SEAC dated 16/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7110 dated 09/3/2021, 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 Sindh River is spread over an area of 1.702 ha in Village –Khairashyampura, Tehsil- Bhind, Dist- Bhind, 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/2020/546 Bhopal, Dated, 01/02/2020 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. Kramank 6954/Mining Plan Cell-1/N. K.-39/2020 for a production capacity of 7872 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-Q/03/Khanij/2020/518 Bhind, dated 5/8/2020.
- Opencast Semi-mechanised and 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

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (78,72 cum in 1.702 ha) 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 scheme. After presentation and deliberation, PP was asked to submit following information:

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 1.702 ha. (7,872 cum per annum) (Khasra No.- 849,855,1486), Village – Khairashyampura, Tehsil - Bhind, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.

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

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 12.67Lakh is proposed and Rs.1.69Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in village area	500nos

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

4. Case No 7594/2020 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 2.00 ha. (10,800 cum per annum) (Khasra No. 410), Village - Niwsai Ridiya-3, Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 410), Village - Niwsai Ridiya-3, Tehsil - Raun, Dist. Bhind (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 (Ekal Praman-Patr) letter no. 443 dated: 24/07/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 83.04 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7116 dated 09/3/2021, 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 Sindh River is spread over an area of 2.00 ha in Village –Niwsai , Tehsil- Raun, Dist- Bhind, 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/2020/546 Bhopal, dated -01/02/2020 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 6946/Mining Plan cell-1/N. K.- 25/2020 Bhopal dated 25/7/2020 for a production capacity of 10,800m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03/khanij/2020/443 Bhind, dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 654/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-mechanized and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj,

Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.

- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (10,800 cum in 2.00 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 2.0ha. (10,800 cum per

annum) (Khasra No.- 410), Village – NiwsaiRidiya - 3, Tehsil - Raun, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 3000 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-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local Panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 13.21Lakh is proposed and Rs.1.72Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in village area	100 nos
2	Construction of Toilet for School	1 no
3	Plantation in Village School	250 nos
4	Development and Maintenance of Village Road	600 sqm (200 length & 3m width)
5	Maintenance and development of Panchayat cattle House	1 no

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

5. Case No 7595/2020 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 19.86 ha. (1,09,740 cum per annum) (Khasra No. 534), Village - Niwsai – 534-1, Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 534), Village – Niwsai Niwsai – 534-1, Tehsil - Raun, Dist. Bhind (MP) 19.86 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. 442 dated: 24/07/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 83.04 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7118 dated 09/3/2021, 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 Sindh River is spread over an area of 19.86 ha in Village –Niwsai , Tehsil- Raun, Dist- Bhind, 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/2020/546 Bhopal, dated -01/02/2020as 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 6805-08/Mining Plan cell-1/N. K.-37/2020 Bhopal dated 23/07/2020for a production capacity of 1,09,740 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/1381/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 656/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020

- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-mechanized and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (109,740 cum in 19.86 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 19.86 ha. (1,09,740 cum per annum) (Khasra No.- 534), Village – Niwsai 534-1, Tehsil - Raun, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 29790 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. –52.02 Lakh is proposed and Rs.2.24Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Construction of Toilet in Village	2nos
2	Plantation in Village area	9790 nos
3	Bore Well shall be done in village	2nos
4	Water Sprinkling on the Village road	Water will be sprinkling by company on approached road 2000m
5	Bore Well shall be done in village	1nos
6	Maintenance of village road	600 sqm 200 m length & 3m width

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

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

6. **Case No 7596/2020 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 10.00 ha. (58,020 cum per annum) (Khasra No. 6, 210, 1325), Village – Girwasa New, Tehsil - Lahar, Dist. Bhind (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 6, 210, 1325), Village – Girwasa New, Tehsil - Lahar, Dist. Bhind (MP) 10.00 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. 449 dated: 24/07/2020 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 458th SEAC dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7114 dated 09/3/2021, 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 Sindh River is spread over an area of 10.00 ha in Village –Girwasa, Tehsil- Lahar, Dist- Bhind, 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/2020/546 Bhopal, dated -01/02/2020 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 7511-13/Mining Plan cell-1/N. K.-49/2020 Bhopal dated 10/08/2020 for a production capacity of 58020m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank-Q/03khanij/2020/449 Bhind, dated 24/7/2020.
- Opencast Semi-mechanized and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (58,020 cum in 10.00 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 10.00 ha. (58,020 cum per annum) (Khasra No.- 6,210,1325), Village – Girwasa Naveen, Tehsil - Lahar, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 15000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local Panchayat.

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

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. 29.61Lakh is proposed and Rs.1.99 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Plantation in Village area	5000 nos
2	Contraction of Toilet in Village School and Anganbadi	2nos
3	Bore Well shall be done in village	1nos
4	Plantation in Village area	5000 nos

27. 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.
28. 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 7599/2020 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 24.40 ha. (1,17,500 cum per annum) (Khasra No. 410), Village – Niwsai Ridiya-2, Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 410), Village – Niwsai Ridiya-2, Tehsil - Raun, Dist. Bhind (MP) 24.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 444 dated: 24/07/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 83.04 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7112 dated 09/3/2021, 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 Sindh River is spread over an area of 24.40 ha in Village –Niwsai, Tehsil- Raun, Dist- Bhind, 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/2020/546 Bhopal, dated 01/02/2020 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 6942/Mining Plan cell-1/N. K.-38/2020 Bhopal dated 25/7/2020 for a production capacity of 1,17,500m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank-Q/03/khanij/2020/444 Bhind, dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 664/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-mechanized and 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

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-

northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.

- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (1,17,500 cum in 24.40 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 24.40ha. (117500 cum per annum) (Khasra No.- 410), Village – NiwsaiRidiya -2, Tehsil - Raun, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 36600 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local Panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 50.77Lakh is proposed and Rs.2.28Lakh /year as recurring expenses
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Description	Physical Target
2	Construction of Toilet in Village	2nos
3	Construction of Shelter	1 no
4	Maintenance of school Road	300 sqm (100 length & 3m width)
5	Maintenance of Village Road	600 sqm

		(200 length & 3m width)
--	--	-------------------------

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 26. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
8. **Case No 7612/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (21000 cum per annum) (Khasra No. 2), Village – Mahayar-2, Tehsil - Raun, Dist. Bhind (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2), Village – Mahayar-2, Tehsil - Raun, Dist. Bhind (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. 413 dated: 24/07/2020 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 68.918 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7106 dated 09/3/2021 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 Sindh River is spread over an area of 4.00 ha in Village –Mahayar, Tehsil- Raun, Dist- Bhind, 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/2020/546 Bhopal, dated -01/02/2020 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 7494-96/Mining Plan cell-1/N. K.-46/2020 Bhopal dated 10/08/2020 for a production capacity of 21000m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank-Q/03khanij/2020/413 Bhind, dated 24/7/2020.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. kramank/1381/khanij/2020/Sehore, dated 25/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 674/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Opencast Semi-mechanized and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (21,000 cum in 4.00 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 4.0ha. (21,000 cum per annum) (Khasra No.- 2), Village – Mahayar-02 Tehsil - Raun, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
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 6000 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 based and appropriate activity may be taken up in coordination with local Panchayat.

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

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 18.23Lakh is proposed and Rs.1.79Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Maintenance and development of village road	1200 sqm(400 m length & 3 m width)

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

9. Case No 7611/2020 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 5.00 ha. (25,000 cum per annum) (Khasra No. 22), Village – Padhora-1, Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 22), Village – Padhora-1, Tehsil - Raun, Dist. Bhind (MP) 5.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 670 dated: 18/08/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 15.00 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 6/3/2021 which was forwarded through SEIAA vide letter no. 7120 dated 09/3/2021, 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 Sindh River is spread over an area of 5.00 ha in Village –Padhora, Tehsil- Ron, Dist- Bhind, 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/2020/546 Bhopal, dated -01/02/2020 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 7514/Mining Plan cell-1/N. K.-43/2020 Bhopal dated 10/08/2020 for a production capacity of 25000m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03/khanij/2020/670 Bhind, dated 18/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 646/PS-MS/MPPCB/SEAC/TOR(488)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-mechanized and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwarisindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.
- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (25,000 cum in 5.0 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 5.0ha. (25,000 cum per annum) (Khasra No.- 22), Village – Padhora-01 Tehsil - Raun, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.

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 7500 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-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local Panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 8.1Lakh is proposed and Rs.1.79Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Maintenance of Village Road	600 sqm (200 mlength 3m width)

25. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the

allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

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

10. Case No 7600/2020 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 19.00 ha. (57,000 cum per annum) (Khasra No. 534), Village – Niwsai-534-2 , Tehsil - Raun, Dist. Bhind (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 534), Village – Niwsai-534-2, Tehsil - Raun, Dist. Bhind (MP) 19.0 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. 441 dated: 24/07/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 83.08 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 06/3/2021 which was forwarded through SEIAA vide letter no. 7108 dated 09/3/2021, 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 Sindh River is spread over an area of 19.00 ha in Village –Niwsai, Tehsil- Ron, Dist- Bhind, 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/2020/546 Bhopal, dated -01/02/2020 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 6927-29/Mining Plan cell-1/N.K.-26/2020 Bhopal dated 25/07/2020 for a production capacity of 57000m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-Q/03khanij/2020/441 Bhind, dated 24/7/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 666/PS-MS/MPPCB/SEAC/TOR(458)/2020 Bhopal, Dated 06/10/2020
- Public Hearing has been conducted on dated 13.01.2021 near project area.
- Opencast Semi-mechanized and 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.

Replenishment Capacity- Sindh River

- The Sindh River is the biggest river flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.
- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Sindh River comes in Kunwari sindh sub-sub basin.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Bhind district is 668.3 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 the Sediment Yield is 16716700.56 M. tons/Year.

- The Annual Replenished Sand in Sindh River is 19776120 cum. (As Per DSR Bhind)
- Hence it is concluded that the annual production capacity (57,000 cum in 19.00 ha) 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 scheme.

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

1. Undertaking from PP that Semi-mechanized and manually method shall be carried out as mining is proposed on the River Sindh.
2. PP shall submit annual replenishment report/study conducted on the River Sindh.
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 16.03.2021 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 19.0 ha. (57,000 cum per annum) (Khasra No.- 534), Village – Niwsai 534-2, Tehsil - Raun, Dist. Bhind (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. Mining shall be carried out as per approved mine plan.
20. No intermediate stacking is permitted at the mine site.
21. Overhead sprinklers shall be provided in mine.
22. 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.
23. 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 28500 trees shall be planted on barrier zone, backfilled area and along the transportation route.
24. Transportation of sand shall be done in covered vehicles.
25. Transportation of sand shall not be carried out through forest area.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.

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

(C) ENTIRE LIFE OF THE PROJECT

32. In the proposed EMP, capital cost is Rs. – 45.39Lakh is proposed and Rs.1.94Lakh /year as recurring expenses.
33. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Activities	Physical targets
1	Construction of Toilet in Village	1nos
2	Plantation in Village area	8500 nos
3	Bore Well shall be done in village	1nos

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

11. Case No 6978/2020 M/s Nirmala Minerals, Pathak Ward, Dist. Katni, MP – 483501 Prior Environment Clearance for Expansion of Iron ore Mine in an area of 20.141 ha. (50,000 to 500000 Tonne per annum) (Khasra No. 1093P (New), 680P (old)), Village - Agaria, Tehsil - Sihora, Dist. Jabalpur (MP)

This is case of Expansion of Iron ore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village - Agaria, Tehsil - Sihora, Dist. Jabalpur (MP) 20.141 ha. The project requires prior EC before commencement of any activity at site.

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

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 7136 dated 09.03.2021, which was placed before the committee.

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

- This is a mining project pertaining to mining of Iron ore from a lease area of 20.141 Ha. The project is covered under the provisions of EIA notification as item no. 1a (i), hence requires prior EC from SEIAA. Application submitted by the PP was forwarded by SEIAA to SEAC for appraisal. The project's production capacity is 5,00,000 TPA at Village- Agaria, Tehsil - Sihora, Dist. Jabalpur (MP). The project requires prior EC before commencement of any activity at site.
- During presentation PP submitted that opencast mechanized method of mining will be done. The area is hilly trending towards NW- SE. The two quarries exist towards both the ends in NW and SE. The trend of the hillock is along the strike and mineralization has been fully established.
- The OB in form of lateritic soil found in patches considered as waste within top 1m will be scrapped off initially by dozer. The development in mineral will be carried out by deployment of excavator; loading will be done by loaders and will be transported to the destination industries. The over burden will be loaded by loaders and transported to the backfilling site by dumpers.
- The dumpers/trucks will be of 10 t. capacity. No drilling and blasting will be carried out. It is proposed to use mainly dozer, rock breaker, excavator cum loader which will increase the recovery and grade. Depending upon the grade recovered, the same will be segregated and stacked in different stacks. Iron ore will be suitably blended so as to have uniform grade of mainly 50% to 55% Fe. Uniform bench height of 6m has been proposed as higher bench in soft iron ore creates under cut. The width of the benches will be 10m each.
- Haul road has been extended to the floor of the quarry at gradient 1 in 16. The gradient on ramp is 1 in 10. The width of haul road is 10m. The individual bench slope is about 10 degree while ultimate slope of bench will be 45 degree.

PP further submitted that submitted that it is an existing Iron Ore mine (20.141 ha) and seeking environmental clearance for expansion in production 50,000 TPA to 5,00,000 TPA with ML area 20.141 ha., wherein no drilling and controlled blasting is proposed. The ground water table will not be intersected and mining will be carried out above ground

water table which is 45 m bgl (353 mRL) to 40 m bgl (358 mRL). PP stated that they have also obtained MoEF & CC compliance report (letter dated 25/02/2021) of earlier EC condition and compliance was found satisfactory.

After detail discussion and deliberation committee asked the PP to submit the following information:

1. Non- mineralized area under green belt shall be shown on surface plan.
2. Submit updated activities under CER.

PP vide their letter dated 16/03/2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of EC for Agaria Iron Ore Mine (Lease Area 20.141 Ha) with enhancement in production capacity from 50,000 TPA to 5,00,000 TPA at Village- Agaria, Tehsil - Sihora, Dist. Jabalpur (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 Trans boundary 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 then it is required 10 times of plantation for 01 tree uprooting.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road shall be compacted on regular interval and transport road will be made pucca and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. No drilling and controlled blasting is proposed
10. Working height of the loading machines shall be compatible with bench configuration.

11. No intermediate stacking is permitted at the mine site.
12. No dump shall be stacked outside the lease area.
13. Water sprinklers shall be provided in mine.
14. 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.
15. 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 30250 trees shall be planted of which 15000 trees are already planted in core zone, buffer zone and along road side.
16. Transportation of material shall be done in covered vehicles.
17. Transportation of minerals shall not be carried out through forest area.
18. The OB shall be reutilized for maintenance of road and backfilling. PP shall bound to compliance the final closure plan as approved by the IBM.
19. 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 (2925m x 2.0 m x 1.5 m), bund (1.5mx 5m) and sump 9,000 cum (50.0 m x 30m x 6 m).
20. 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.
21. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
22. The existing and proposed land use plan of the mine is as follows:

Sl. No.	Particular	Existing	5th year end	Conceptual Period
1	Total area excavated (broken)	4.685	6.95	(14.50)
2	Area fully mined out (out of 1)	(0.25)	(1.0)	(14.50)
3	Area fully reclaimed (Backfilled out of 2)	(0.14)	(0.50)	(4.40)
4	Area rehabilitated out of 3 by afforestation	0	(0.14)	4.40
5	Area reclaimed by water harvesting	0	0	10.10
6	Total area under dumps	0.73	0.73	Nil
7	Area under active dumps	0.73	0	Nil
8	Area under mineral stack	1.50	1.50	Nil
9	Area under Road	0.10	0.10	Nil

10	Area under Green belt	2.0	3.0	5.641
11	Area under infrastructure	0.10	0.10	Nil
12	Bund, Drain and Settling tank	0.60	0.60	Nil
13	Undisturbed area	10.426	7.161	Nil

23. 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.
24. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
25. The commitments made in the public hearing are to be fulfilled by the PP.
26. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
27. PPE's such as helmet, mask and ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

28. In the proposed EMP, capital cost is Rs. 15.72 Lakh is proposed and Rs. 15.13 Lakh /year as recurring expenses.
29. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period :

S.NO	ACTIVITIES	REMARK
1.	WATER SUPPLY	
	a)Water will be supplied during summer season in village Agariya b) Dredging and beautification of Agaria tank (beneficiary 300 people) will done by Dec 2021.	-
2.	HEALTH	
	a)Health camps(Once in a year) will be organized in Agaria, and Ghutna village. b)Distribution of mask, hand gloves and sanitizer for village Agaria and Ghutna(300 no.)	Health camp can also be organized in other nearby villages in consultation with gram panchayat.
3.	INFRASTRUCTURE DEVELOPMENT	
	a)A pond will be developed in village Agariya as commitment given during public hearing. b) Provision of 5 no. solar street light in the Agaria village by Dec 2021.	Pond will be developed within this plan period
4.	CHARNOI LAND DEVELOPMENT	

	Charnoi land development program will be implemented in village Agaria, Ghutna, Nindora, Tikariya, Sindursi and total land developed will be equal to the lease area	Charnoi land development programme will be completed with this plan period.
5.	OTHER	
	a) Provision of distribution of food item/ ration to poor people in Village Dubiyara b) Hired ambulance will be provided as and when required for needy people.	

30. 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.
31. 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.
32. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
33. PP will comply with all the commitments made vide letter dated 16/03/2021.
34. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

12. Case No 7211/2020 Shri Jagdish Singh, Friends Colony, Behind F.C.I. Godawn, Birla Road, PO & Dist. Satna, MP – 485005 Prior Environment Clearance for Limestone and Reject Stone Mine in an area of 7.331 ha. (3,00,000 Tonne per annum) (Khasra No. 951/1, 972/1), Village - Goraiya, Tehsil - Kotar (Rampur Baghelan), Dist. Satna (MP).

This is case of Limestone and Reject Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 951/1, 972/1), Village - Goraiya, Tehsil - Kotar (Rampur Baghelan), Dist. Satna (MP) 7.331 Ha. The project requires prior EC before commencement of any activity at site.

In the SEAC- 442th meeting dated 16/06/2020 the committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA. Accordingly the TOR was issued to the PP vide no. 353 dated 26.06.2020.

PP vide letter dated 29/07/2020 has applied for revised ToR wherein PP stated that due to typographical error the Khasra no. of the project was wrongly mentioned as 951/1, 972/2 instead of 951/1, 972/1. Committee accepts the request made by PP and recommended to issue revised ToR with revised name of PP. Now PP name shall be read as 951/1, 972/1. Remaining conditions for ToR shall remain same as recommended in SEAC- 442th meeting dated 16/06/2020.

Earlier this case was scheduled for presentation and discussion in 442nd SEAC dated 16/5/2020 and 451st SEAC dated 14/08/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 24/2/2021 which was forwarded through SEIAA vide letter no. 7138 dated 09.03.2021, which was placed before the committee.

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

This is a case for mining of mineral Limestone & rejects stone mine. The project is covered under the provisions of EIA notification 2006(amended). It is mentioned as item 1(a) in the schedule of the EIA notification hence requires prior EC from SEIAA. The application was forwarded by SEIAA to SEAC for appraisal. Project is situated near Village- Goraiya, Tehsil –Kotar (Rampur Baghelan), District - Satna, Madhya Pradesh over an area of 7.331 ha. The proposed production is 3,00,000 TPA of Limestone and Reject Stone.

During presentation PP submitted that opencast semi-mechanized method of mining will be done. All operations of mining will be done by deployment of heavy earth moving machineries for excavation, loading & transport. Drilling and blasting has been proposed for heaving purpose only. PP further stated that the proposed area for mining is almost plain having gentle slope towards SE direction. The highest elevation of the lease area is 300 m. A.M.S.L. in South-West direction and the lowest elevation is 293 m AMSL in South-East direction. Working will be done by formation of benches as per M.M.R. 1961. After detail discussion & deliberation, committee has asked the PP to submit the following information:

- Undertaking by PP that no blasting will be done within 100m distance from habitation area.
- Undertaking by PP that no- mining zone within 50m from habitation
- Diversion of existing road in SW before mining.

- Undertaking by PP that trees existing area in the in North East direction of lease shall be dealt as no mining zone.
- Revised CER, which include physical target.

PP vide their letter dated 16/03/2021 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 proposed Goraiya Limestone & Reject Stone Mine (7.331 ha) Khasra no. 972/1, 951/1 at Village- Goraiya, Tehsil –Kotar (Rampur Baghelan), District - Satna, Madhya Pradesh by Shri Jagdish Singh 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 Trans boundary 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.

(B) MINING OPERATIONAL PHASE

10. No blasting will be done within 100 m distance from habitation area and only rock breakers will be used.
11. No mining will be carried out within 50 m from habitation area.
12. No overcharging during blasting to avoid vibration.
13. Controlled and muffle blasting shall be carried out.
14. Working height of the loading machines shall be compatible with bench configuration.

15. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
16. No explosive will be stored at the mine site.
17. No intermediate stacking is permitted at the mine site.
18. No dump shall be stacked outside the lease area.
19. Overhead sprinklers shall be provided in mine.
20. 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.
21. 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 11,000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
22. Transportation of material shall be done in covered vehicles.
23. Transportation of minerals shall not be carried out through forest area.
24. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
25. 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 1360m X 2m X 1.5m. The settling tank will be four in number of size 30mx 6m x 3.0 m & with four mine sump of 30mx25mx3m.
26. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

Sl. No.	Particular	Existing (ha)	Proposal period (ha)	Conceptual period (ha)
1	Total area excavated (broken)	3.54	3.66	(6.33)
2	Area fully mined out (out of 1)	0.295	0.295	(6.33)
3	Area fully reclaimed (Backfilled out of 2)	0	0.295	(1.90)
4	Area rehabilitated out of 3 by afforestation	0	0	1.90
5	Area reclaimed by water harvesting	0	0	4.43
6	Total area under dumps	0	0	Nil

7	Area under active dumps	0	0	Nil
8	Area under mineral stack	0	0	Nil
9	Area under Road	0.05	0.05	Nil
10	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	0.25	0.65	1.001
11	Area under infrastructure	0	0.01	Nil
12	Undisturbed area	3.196	2.666	Nil
	Total	7.331	7.331	7.331

29. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 09.60 Lakh is proposed and Rs. 06.00 Lakh /year as recurring expenses.
35. Under CER activity, proposed different activities should be implemented through respective committees and will be 2% of the project cost.
36. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
37. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
38. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
39. PP will comply with all the commitments made vide letter dated 16.03.2021.

40. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

13. Case No 7004/2020 M/s Shree Anand Khanij Udyog, 110, Bhasin Residency, South Civil Lines, Dist. Jabalpur, MP – 482001 Prior Environment Clearance for Expansion of Bauxite, Laterite and Fire Clay Mine in an area of 5.22 ha. (50,000 to 1,00,000 Tonne per annum) (Khasra No. 49 Part), Village - Rousara, Tehsil - Majholi, Dist. Jabalpur (MP)

This is case of Expansion of Expansion of Bauxite, Laterite and Fire Clay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 49 Part), Village - Rousara, Tehsil - Majholi, Dist. Jabalpur (MP) 5.22 ha. The project requires prior EC before commencement of any activity at site.

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

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 7140 dated 09.03.2021, which was placed before the committee.

The case was presented by the PP and their consultant where in the beginning chronology of the project:-

Sl. No.	Particulars	Details
1.	Mine lease period	The lease area was granted under ML for 20 years period to M/s Sangeeta Minerals. The lease deed was executed on 03.06.2008 for 20 years upto 02.06.2028.
2.	Transfer of Lease Deed	M/s. Shree Ananad Khanij Udyog.
3.	Lease period	In compliance of THE MINES AND MINERALS DEVELOPMENT AND REGULATION) AMENDMENT ACT, 2015 the ML area has been extended for 50 years lease period (i.e from 03.06.2008 to 02.06.2058) in favour of M/s Shree Anand Khanij Udyog..
4.	Earlier Environmental Clearance Letter and its EC transfer	50,000 TPA Vide letter No 118/EPCO-SEIAA/10 dated 26/05/2010 to M/s Sangeeta Minerals by SEIAA M.P., Later the EC was transferred to M/s. Shree Anand Khanij Udyog.
5.	Consent Status	Consent to Operate renewed under Air act, 1981 and Water act, 1974 by MPPCB which is valid till 30/09/2021.

6.	Mining Plan Approval	<ul style="list-style-type: none">• Bauxite Mine plan has been approved by Regional controller of mine, IBM on 21/01/19• Scheme of mineral Fire clay and Laterite approved by DGM on 01/05/2019.
7.	Forest NoC	letter no. 399 dated 17/02/2010 granted by DFO, Jabalpur
8.	ToR Letter for Proposed Expansion	letter No. 252/PS-MS/MPPCB/SEAC/TOR (432)/2020 dated 09/06/2020. [Case No. 7004/2020].
9.	Public Hearing	05/11/2020 by 11.0 a.m at project site
10.	Certified Compliance report by MoEF	File No – 18-B-20/2010(SEAC)/141 dated 25.02.2021

PP submitted that opencast semi mechanized method of mining will be done. The lease area is undulating with general slope towards South-East. Opencast mechanised method of mining will be adopted in the lease area in future. All operation of mining such as development, winning of ore, loading and transport will be carried out by utilizing HEMM. No drilling or blasting will be carried out. In order to prevent haphazard excavation of pits, the development has been proposed at one place in quarry and from one end in the best interest of mineral conservation, development, scientific mining and minimum degradation. The faces will advance up to UPL in north, west and then will be worked in depth. The working pit will be best suited for scientific mining by maintaining proper bench height. No labour camp is proposed within the lease area. The transport of men is not applicable. No tubs, haulage rope, conveyor or locomotive will be used. Local labour will be employed.

PP further submitted that it is an existing Bauxite, Laterite & Fireclay mine (5.22 ha) and seeking environmental clearance for expansion in production from 50,000 TPA to 1,00,000 TPA with ML area 5.22 ha., wherein no drilling and controlled blasting is proposed. The ground water table will not be intersected and mining will be carried out up to 19 m below ground level i.e up to 390 m RL. The ground water table varies from 369 mRL to 364 m. RL during pre monsoon and post monsoon period. PP stated that they have also obtained MoEF & CC compliance report (letter dated 25/02/2021) of earlier EC condition and compliance was found satisfactory.

After detail discussion and deliberation committee was satisfied with details submitted and presentation made by PP's consultant. The EIA/EMP and other submissions made by the PP earlier were also found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of EC for Rousara Bauxite, Laterite & Fireclay Mine (5.22 ha) proposing expansion in production capacity from 50,000 TPA to 1,00,000 TPA

(Khasara No. :- 49 part) in Village – Rousra, Tehsil –Majholi, District- Jabalpur State – M.P , 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 Trans boundary 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 then it is required 10 times of plantation for 01 tree uprooting.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road shall be compacted on regular interval and transport road will be made pucca and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. Working height of the loading machines shall be compatible with bench configuration.
10. No intermediate stacking is permitted at the mine site.
11. No dump shall be stacked outside the lease area.
12. Water sprinklers shall be provided in mine.
13. 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.
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 3800 trees shall be planted over backfilled area, barrier zone, transportation route and in buffer zone besides already planted 5900 trees.
15. Transportation of material shall be done in covered vehicles.
16. Transportation of minerals shall not be carried out through forest area.

17. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the DGM.
18. 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 1790 cum (895 m X2.0 m x 1.0 m), a desiltation pond 140 cum (10.0 x 7.0 x 2.0) and one sump 1,200 cum (30.0m x 20m x 2 m).
19. 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.
20. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
21. The existing and proposed land use plan of the mine is as follows:

S.No.	Particular	Existing	5 th year end	Conceptual Period
1	Total area excavated (broken)	2.80	3.35	4.57
2	Area fully mined out (out of 1)	(0.05)	(0.05)	(4.57)
3	Area fully reclaimed (Backfilled out of 2)	Nil	(0.05)	(0.75)
4	Area rehabilitated out of 3 by plantation (out of 3)	Nil	(0.05)	0.75
5	Area reclaimed by water harvesting	Nil	Nil	3.82
6	Total area under dumps	0.10	0.35	Nil
7	Area under active dumps(Out of 6)	(0.10)	(0.35)	Nil
8	Area under mineral stack	0.40	0.40	Nil
9	Area under Road	0.10	0.10	Nil
10	Area under Green belt /bund area	0.15	0.65	0.65
11	Area under infrastructure	0.20	0.20	Nil
12	Garland drain	0.05	(0.10)	Nil

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

(C) ENTIRE LIFE OF THE PROJECT

26. In the proposed EMP, capital cost is Rs.7.38 Lakh is proposed and Rs. 5.70 Lakh /year as recurring expenses.

27. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period :

S. NO.	ACTIVITIES	REMARK
1.0	Water Supply	
	Water will be supplied by tankers during summer season to village Ronsara for drinking.	
2.0	Health	
	Organizing health camps in village Ronsara village once in a year Distribution of medicine as per suggestion of Doctors in medical camp once in a year Distribution of masks, sanitizers, and sanitization awareness programme once in year in Ronsara village primary school.	Health camp can also be organized in other nearby villages in consultation of gram panchayat
3.0	Infrastructure Development	
	Repair, Putty, Paint, Furniture and boundary wall etc at Primary school of Rousara during FY year 2022-2023. Repair, Putty, Paint, Furniture and boundary wall etc at Aanganwadi centre of Rousara during FY year 2021-2022.	
4.0	Charnoi Land Development	
	In consultation of Gram Panchayat the existing Charnoi Land in nearby village area will developed by plantation of palatable grasses. The total area to be developed under the charnoi land development programme will be equal to the proposed water reservoir area (3.82 ha).	Total amount will be spend under charnoi land development in consultation of gram panchayat is Rs. 6,18,000/- during 10 year.

28. 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.
29. 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.
30. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
31. PP will comply with all the commitments made vide letter dated 16/03/2021.
32. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/

project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

14. Case No 6817/2020 Shri Ahivaran Singh Narwaria, Keeratpur Gohad Choraha, Tehsil - Gohad, Dist. Bhind, MP – 477116 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (1,49,999 cum per annum) (Khasra No. 4), Village - Pahad, Tehsil - Gohad, Dist. Bhind (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4), Village - Pahad, Tehsil - Gohad, Dist. Bhind (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. 1427 dated: 02/01/2020 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 8.00 ha including this mine.

Earlier this case was scheduled for presentation and discussion in 427th SEAC dated 28/02/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 04.03.2021 which was forwarded through SEIAA vide letter no. 7130 dated 09.03.2021, which was placed before the committee.

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

- Pahad Stone Quarry is a newly proposed stone quarry Mine with an area of 4.0 ha and proposed production capacity of 1, 49, 999 m³ / year.
- The Mine lease was granted by Department of Geology and Mining, Mp vide letter no. 14141-42/Khanij/U.P./Na.KR. 03/2016 dated 01.09.2016.
- Terms of Reference was granted by SEAC during 427th meeting dated 28/02/2020 vide letter no. 232/PS-MS/MPPCB/SEAC/TOR(427)/2020, Bhopal dated 09/06/2020.
- Cluster of active mines area in the immediate surrounding exceeding 5 hectares, therefore EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F. No. L-11011/175/2018/-IA-II (M) dated 12/12/2018.

- The estimated life of the mine is approx. 4 years.
- Quarry lease has been sanctioned from Department of Geology and Mining; MP vide letter No 14141- 42/Khani/U.P/NA.KR 03/2016 dated 01.09.2016 for a period of 10 years.
- The production is estimated to be 1,49,999 m³/year.
- Mining Plan with Progressive Mine Closure Plan has been approved by, Directorate of Geology & Mining MP vide letter no. – 154 dated 05.02.2020.

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

1. Justify why EC was not obtained since 2006 to 2014.
2. Revised EMP as per new format.
3. Revised CER include physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 16.03.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Stone Quarry in an area of 4.00 ha. (1,49,999 cum per annum) (Khasra No. 4), Village - Pahad, Tehsil - Gohad, Dist. Bhind (MP), subject to the following special conditions:

(A)PRE-MINING PHASE

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

10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

11. No overcharging during blasting to avoid vibration.
12. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
13. Working height of the loading machines shall be compatible with bench configuration.
14. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
15. No explosive will be stored at the mine site.
16. No intermediate stacking is permitted at the mine site.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain & settling tank are given below:

Garland Drain	1 st Settling Tank
Length * Width * Depth	Length * Width * Depth
= 950 * 1.5 * 1.0 m ³	= 20 * 4 * 2.5m ³
= 1425 m ³	= 200 m ³
2 nd Settling Tank	3 rd Settling Tank
Length * Width * Depth	Length * Width * Depth

$= 20 * 4 * 2.5 \text{ m}^3$	$= 20 * 4 * 2.5 \text{ m}^3$
$= 200 \text{ m}^3$	$= 200 \text{ m}^3$

25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

SR.	USE	PRESENT Area (Hect.) AGL	AFTER FIRST 5 YEAR Area (Hect.) BGL	AT THE END OF MINE LIFE (CONCEPTUAL)
1.	PITS	3.15	3.630	-----
2.	OFFICE AND REST SHELTER (Barrier Zone)	0.000	0.0120	0.000
3.	PLANTATION (within Barrier Zone)	0.000	0.358	0.358
5.	WATER BODY	0.000	0.000	3.630
6.	UNUSED	0.850	0.000	0.0120
	TOTAL	4.000	4.000	4.000

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

30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 20.99Lakh is proposed and Rs.8.63 Lakh /year as recurring expenses.
34. PP has proposed following physical targets based on public hearing under Corporate Environment Responsibility (CER).

Village Name	Particular	Year wise
Gohad	1. Repair & whitewash of village Anganwadi kendra of village. 2. Construction of a new toilet (1 Nos.) in village primary school. 3. Maintenance of the village road will be done from time to time. 4. 100 Nos of Plants will be planted at the Mataji temple area. 5. Contribution for maintenance of the road leading to Shankarpur from Gurudwara would be done. 6. Organizing half yearly medical health checkup programme for villagers 7. Distribution of the 2 Nos of sports kit in the village primary school. 8. Development and maintenance of grassland on a nearby suitable government land (for 1 st , 2 nd , 3 rd , 4 th and 5th year)**	1 nd year 2 nd year

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

15. Case No 7909/2020 M/s Siddh Vinayak Stone Aggregate, Partner, Shri Shailendra Singh Yadav, Kushwah Colony, Itawa Road, Dist. Bhind, MP - 477001 Prior Environment Clearance for Stone Quarry in an area of 13.20 ha. (610290 cum per annum) (Khasra No. 1045, 1046, 1047, 1062, 1063, 1065, 1066, 1067, 1068, 1069, 1075, 1076, 1077, 1112, 1113/1, 1113/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1045, 1046, 1047, 1062, 1063, 1065, 1066, 1067, 1068, 1069, 1075, 1076, 1077, 1112, 1113/1, 1113/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (MP) 13.20 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Pramanpatra) letter no. 872 dated: 28/9/20 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 14.54 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 467th SEAC dated 02/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06.03.2021 which was forwarded through SEIAA vide letter no. 7128 dated 09.03.2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee, PP stated that the this is case of capacity of 6,10,290 m³/year cum per annum Stone Quarry. Following details of this project were submitted by the PP:

- The project has been proposed for the Mining of metal stone from the Government Land by open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 6,10,290 cum of Metal stone will be excavated per annum and the estimated project cost is Rs. 6.0Crore.
- The mining lease (area 13.20 Ha) has been granted in favour of M/s SiddhVinayak Stone Aggregate with Khasra No.-1045, 1046, 1047, 1062, 1063, 1065, 1066, 1067,1068, 1069, 1075,1076, 1077, 1112, 1113/1, 1113/2situated in VillageDirman Tehsil Gohad, District Bhind, M.P. Mining will be carried out on the basis of govt.

consent order for mining operations. A total mineable reserve as per the mining plan is 29,76,150 cum & with maximum of production of mineral 6,10,290 cum for 05 years.

- The proposed project is an opencast and Semi-mechanized mining project, where mining of metal stone will be done. Methods of mining will be open cast, and mechanized with drilling and blasting. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 6,10,290 cum of Metal stone will be excavated every year. Drilling & Blasting is proposed in this mining activity.

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

1. Land agreement document of Khsara no. 1065.
2. Revised EMP as per new format.
3. Revised CER include physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 16.03.2021 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 Metal Stone Quarry in an area of 13.20 ha. (6,10,290 cum per annum) (Khasra No. 1045, 1046, 1047, 1062, 1063, 1065, 1066, 1067, 1068, 1069, 1075, 1076, 1077, 1112, 1113/1, 1113/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (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. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
19. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 2757 trees shall be planted on barrier zone, backfilled area and along the transportation route.
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 2000M X 1.5M X 1M. The settling tank will be 03 in number of size 20mx 4m x 2.5m.
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

26. The existing and proposed land use plan of the mine is as follows:

S No.	Heads	At present m2	At the end of 5yrs m2	At the end of conceptual period m2
1	Total Area excavated (broken)	68360	106700	---
2	Area mined out	0	0	0
3	Area fully reclaimed (back filled)	0	0	0
4	Area rehabilitated by water harvesting	0	0	106700
5	Area fully rehabilitated by bench/slope forestation	0	0	0
6	Total Area under dumps	0	0	0
7	Area under active dumps	0	0	0
8	Area under Road (Out side pit)	0	0	0
9	Area under Infrastructure	0	120	0
10	Green Belt Area	0	18380	18380
11	Undisturbed Area	63640	6800	6920
12	Total Area	20000	20000	20000

27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
28. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
29. The commitments made in the public hearing are to be fulfilled by the PP.
30. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
31. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

32. In the proposed EMP, capital cost is Rs. 33.63 Lakh is proposed and Rs.11.915 Lakh /year as recurring expenses.

33. Under CER following physical target based activities based on public hearing has proposed by PP :

Village Name	Particular	Year wise
Dirman	<p>Construction of 2 new classrooms (15X20ft) in village middle school of PaliDirman</p> <p>Construction of 2 toilets in the village middle school with proper water supply facility via overhead tank.</p> <p>Providing basic school furniture 50nos of bench & desk in village middle school.</p> <p>Installation of pipeline for water supply facility under JalJeevan mission in consultation with local panchayat</p> <p>Contribution of medical equipments& health checkup as per need to primary health centers</p> <p>Distribution of the 2 Nos of sports kit in the village primary school.</p> <p>Distribution of masks and sanitizers to villages for 1st year only*</p> <p>Development and maintenance of grassland on a nearby suitable government land (for 1st, 2nd, 3rd, 4th and 5th year)**</p>	1 st to 5 th year

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

16. Case No 7864/2020 M/s K.P.Singh Bhadoria Contractor, E-46 A, Balvant Nagar, Thatipur, Dist. Gwalior, MP - 474002 Prior Environment Clearance for Sand Quarry in an area of 6.0 ha. (1,20,000 cum per annum) (Khasra No. 546), Village - Kamkomohniya, Tehsil - Dindori, Dist. Dindori (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 546), Village - Kamkomohniya, Tehsil - Dindori, Dist. Dindori (MP) 6.0 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. 535 dated: 20/01/2019 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 464th SEAC dated 03/10/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 7134 dated 09.03.2021, which was placed before the committee.

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

- Kamkomohaniya Sand Quarry of K.P Singh Bhadoriya Contractor, Mining of sand is proposed in the lease area of 6.0 hectare at village Kamkomohaniya, Tehsil Dindori, District Dindori (M.P.).
- An Initial letter from mining corporation was also received informing the tenderer as a highest bidder vide letter no.443A/20219-20, dated 15.01.2020.
- Mine has been allotted to K. P. Singh Bhadoria Contractor by the Madhya Pradesh State Mining Corporation Ltd. Through e – Tender vide letter of intent/acceptance no. /Ret /2020/590 dated 10.02.2020.
- The sand production is estimated to be Max. 1,20,000 cum/year cum/year for the lease period of 4 years (inclusive of 1 year extended period). The mining plan has been approved by Collector office (khanij Shakha) Dindori (MP) Vide order no. 282/khani/K.Y./2020 dated 22/08/2020.
- Since the area of this mine is itself exceeding 5 hectares, EIA and EMP required for seeking Environmental Clearance from SEIAA as per the O.M F. No. L-11011/175/2018/-IA-II (M) dated 12/12/2018

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

1. Latest Photographs of the lease area as part of lease is submerged and PP submitted that the Google image is old and at present lease is dry and minable.
2. Revised CER include physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 16.03.2021 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 Sand Quarry in an area of 6.0 ha. (1,20,000 cum per annum) (Khasra No. 546) Village - Kamkomohniya, Tehsil - Dindori, Dist. Dindori (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. Mining shall be carried out as per approved mine plan.
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 9000 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-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 20. The commitments made in the public hearing are to be fulfilled by the PP.
 21. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 22. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs. – 24.03 Lakh is proposed and Rs.5.34Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

SN	Plan	Activity
Public Hearing Issue & Proposed by Project Proponent		
1	Environment conservation and green belt development plan	The issue is covered under Environment Management Plan
2.	Provision of employment to local people	Assured for labours, drivers and conductor
3	Maintenance of Transportation Road	2.67km passage is kuccha which meet to PWD Road. The passage will be constructed into all weather fair road and will be main by the expanses of proponent
4	Provision of infrastructure facility at school & village area	<ol style="list-style-type: none"> 1. Construction of Boundary wall (500m Long) of village higher secondary school of Dindori. 2. Repair & whitewash of the village higher secondary school & construction of a new Toilet there. 3. Providing drinking water supply with installation of 1 water filter in each village

		kamkotola , Bharra Tola & Aamtola.
5	Provision of infrastructure facility at school & village area	4. 500 nos of plants shall be planted from main road to approach road.
6	Development of Grazing land	Suitable grass species will be shown in the grazing land of the village area

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

17. Case No 7012/2020 M/s Yashstar Stones Pvt. Ltd, Opp AM, 95 Bhagat Singh Nagar, DD Nagar, Dist. Gwalior, MP – 474020 Prior Environment Clearance for Stone Quarry in an area of 4.80 ha. (2,07,584 cum per annum) (Khasra No. 1057, 1058, 1059, 1060, 1061, 1122/1, 1122/2, 1123/1, 1123/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1057, 1058, 1059, 1060, 1061, 1122/1, 1122/2, 1123/1, 1123/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (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 letter no. 1798 dated: 02/3/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 9.14 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 434th SEAC dated 20/05/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06.03.2021 which was forwarded through SEIAA vide letter no. 7132 dated 09.03.2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee, as per Google image based on coordinates provided by PP, It was observed that a canal is in east direction at 90 meters distance, and kaccha road is in north side at a 100 meters. PP further stated that this is case of capacity of 2,07,584 m³/year cum per annum Stone Quarry.

Following details of this project were submitted by the PP:

- The project has been proposed for the Mining of metal stone from the Government Land by open cast manual extraction and mechanized method. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 2,07,584 cum of Metal stone will be excavated per annum and the estimated project cost is Rs. 2.0 Crore.
- The mining lease (area 4.80 Ha) has been granted in favour of M/s SiddhVinayak Stone Aggregate with Khasra No.- 1057, 1058, 1059, 1060, 1061, 1122/1, 1122/2, 1123/1, 1123/2 situated in Village Dirman Tehsil Gohad, District Bhind, M.P. Mining will be carried out on the basis of govt. consent order for mining operations. A total mineable reserve as per the mining plan is 12,19,980 cum & with maximum of production of mineral 2,07,584 cum for 06 years.
- The proposed project is an opencast and Semi-mechanized mining project, where mining of metal stone will be done. Methods of mining will be open cast, and mechanized with drilling and blasting. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 2,19,584 cum of Metal stone will be excavated every year. Drilling & Blasting is proposed in this mining activity.

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

1. Lease agreement document.
2. Revised EMP as per new format.
3. Revised CER include physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 16.03.2021 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 Metal Stone Quarry in an area of 4.80 ha. (2,07,584 cum per annum) (Khasra No. 1057, 1058, 1059, 1060, 1061, 1122/1, 1122/2, 1123/1, 1123/2), Village - Dirman, Tehsil - Gohad, Dist. Bhind (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. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

(B) MINING OPERATIONAL PHASE

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. No dump shall be stacked outside the lease area.
17. Overhead sprinklers shall be provided in mine.
18. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.

19. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
20. Transportation of material shall be done in covered vehicles.
21. Transportation of minerals shall not be carried out through forest area.
22. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 890M X 1.5M X 1M. The settling tank will be 03 in number of size 20mx 4m x 2.5m.
24. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
25. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
26. The existing and proposed land use plan of the mine is as follows:

Particulars	Present Area in (ha)	After 5 years Area in (ha)	At the end of mine life Area in (ha)
Pits	0.000	4.120	-
Office & Rest Shelter (barrier zone)	0.000	0.0120	0.000
Plantation (within Barrier Zone)	0.000	0.668	0.668
Water Body	0.000	0.000	4.120
Unused	4.800	0.000	0.0120
Total	4.800	4.800	4.800

27. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.

Further any need base and appropriate activity may be taken up in coordination with local panchayat.

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

(C) ENTIRE LIFE OF THE PROJECT

32. In the proposed EMP, capital cost is Rs. 11.691 Lakh is proposed and Rs.5.425 Lakh /year as recurring expenses.
33. Under CER following physical target based activities based on public hearing has proposed by PP :

Village Name	Particular	Year wise
Dirman	<ol style="list-style-type: none"> 1. Construction of a new toilet at village panchayatbhavan with proper overhead tank water supply facility 2. Distribution of the furniture (50nos of bench & desk) & sports kit in the village primary school of Dirman 3. Organizing Medical health check upprograme for the villagers in consultation with panchayat. 4. Distribution of masks and sanitizers to villagers for 1st year only* 5. Installation of pipeline for water supply facility under JalJeevan mission in consultation with local panchayat. 6. 50 Nos of Plantation near PanchayatBhavan 7. Development and maintenance of grassland on a nearby suitable government land (for 1 st , 2 nd , 3 rd , 4 th and 5 th year)** 	1 st to 5 th year

34. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized

fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

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

18. Case No 8123/2021 M/s Ambey Chemtech Pvt. Ltd, 74-75, Industrial Area, AKVN, Meghnagar, Dist. Jhabua, MP - 457779 Prior Environment Clearance for Manufacturing of Dyes and Dye Intermediates at Plot No. 74-75, Meghnagar Industrial Area, AKVN, Meghnagar, Dist. Jhabua (MP) , Cat. - 5(f)

The proposed project falls under item no 5(f) . This is case of Prior Environment Clearance for Manufacturing of Dyes and Dye Intermediates at Plot No. 74-75, Meghnagar Industrial Area, AKVN, Meghnagar, Dist. Jhabua (MP). The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

Earlier this case was scheduled for presentation and discussion in 478th SEAC dated 01/02/2021 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 23.02.2021 which was forwarded through SEIAA vide letter no. 7104 dated 09.03.2021, which was placed before the committee.

The EIA was presented by the PP and their consultant wherein stated that this is case of Environment Clearance for Manufacturing of Dyes Intermediates at Plot no.74-75, Meghnagar Industrial Area, AKVN, Meghnagar, Dist. Jhabua- 457779 (M.P) Capacity – 202 MT/Month. The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site. During presentation PP has submitted following project details:

- M/s. AmbeyChemtech Private Limited is company proposes to Manufacture Dyes & Dyes Intermediates, to be used mainly in direct dyes in the form of liquid as well as powder.
- The company had obtained CTE fresh for manufacturing of Di Calcium Phosphate and granted the same by Pollution Control Board with consent no. 23448 inward dated 18/12/2013, accordingly the company started construction of shed and also purchased some equipment. But due to financial constraints stopped the construction activities and everything was put on hold.

- Now, due to change in market scenario, the company propose to use the same available infrastructure, with addition of more equipment and machines.
- The total land area available is 4536 Sq. Mt.

Project Details:

Details	Project Details
Site Address	at Plot No. 74-75, Meghnagar Industrial Area, AKVN, Meghnagar-457779, Dist. Jhabua, M.P.
Land available (No new land will be purchased)	4536 Sq.mt. or 0.4536 Hectare
Proposed Production Capacity	202 MT/Month.
Cost of Project	1.3 Cr
Manpower Requirement	20 Nos.
Power requirement	200 KVA
Water Requirement & Source	18 KLD MPAKVN
Boiler capacity	0.6 TPH, Biocoal, Coal based
DG Set	1 no. 90 KVA
Plantation (Green belt development)	1497 Sq.mt.
EMP Cost (Capital)	14.30 Lacs
EMP cost (recurring)	9.66 lacs

Raw Materials:

S.No.	Name of Raw Material	Quantity (MT/PA)
1	Schaeffer's Acid	9 MT
2	Ammonia liq.	12.6 MT
3	Sodium Bi-sulphate	40 MT
4	Sulpharic Acid (H ₂ SO ₄)	25 MT
5	Sulfanilicacid acid	8 MT

6	Olium (23%)	32 MT
7	Metanilic acid	8 MT
8	Beta nepthol	15 MT
9	Potassium chloride	20 MT
10	4-Sulpho anthranilic acid	7.5 MT
11	Soda ash	14 MT
12	Sodium nitrite	5 MT
13	Benzaldehyde	5 MT
14	Hydro chloric acid	32 MT
15	5-Sulpho anthranilic acid	4 MT
16	OAVS (Ortho Anisiline vinyl sulfone)	12 MT
17	J-Acid	13 MT
18	Mono methyl amine	26 MT
19	ONT (Ortho nitro toluene)	20 MT
20	Caustic lye	30 MT
21	Sodium nephthionate	12 MT
22	Ferrous sulphate	2.5 MT
23	Chlorine gas	25 MT
24	Phthalic anhydride	18 MT
25	PNCBOSA	15 MT
26	Ethyline di-amine	18 MT
27	Aniline	9 MT
28	Aceto acetic methyl ester	9 MT
29	4-Chloro 2-amino phenol	6 MT
30	Glycerine	6 MT
31	Acetic acid	1.5 MT

32	Para toluene	16 MT
33	Acetic anhydride	34 MT
34	Nitric acid	30 MT
35	Para anisidine	17 MT

DETAILS OF EXISTING PLANT AND EQUIPMENTS

S.NO.	NAME	SIZE	QTY.
1.	BOILER	600KG	1
2.	M.S TANK	20KL	3
3.	FILTER PRESS	36	1
4.	BREAK LINING VESSAL TANK	15KL	2
5.	M.S REACTER	10KL	1
6.	OPEN REACTER	12KL	1
7.	OPEN REACTER	10KL	1
8.	REACTOR - RUBBER LINING	42KL	2
9.	COOLING TOWER	100TR	1
10.	RECEIVER TANK		2
11.	CENTRIFUSE	36"	4
12.	D.G SET	90KVA	1

DETAILS OF PROPOSED PLANT AND EQUIPMENTS

S.NO.	NAME	SIZE	QTY.
1.	S.S. CLEADING VESSAL WITH JECKETING	10KL	1
2.	S.S VESSAL WITH JECKETING	6KL	1
3.	GLR VESSAL WITH JECKETING	6KL	1
4.	M.S AUTOCLEAVE WITH JECKETING	12KL	1

5.	M.S.R.L B.L OPEN VESSAL	10KL	2
6.	M.S.R.L B.L VESSAL OPEN	15KL	2
7.	HDPE OPEN VESSAL WITH COOLING COIL	15KL	2
8.	HDPE CLOSE VESSAL WITH COOLING COIL	15KL	2
9.	HDPE OPEN VESSAL WITH COOLING COIL	20KL	2
10.	HDPE ROUND NUTCH	12KL	4
11.	M.S.R.L. CENTRIFUSE	48"	4
12.	AIR COMPRESSOR	10 HP	1
13.	VACCUM PUMP	10 HP	1

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

1. Fuel used in boiler.
2. Commitment of PP that till proposed CETP at Meghnagar, Jhabua becomes operational PP will make arrangements of treatment of entire waste water and other wastes and submit written commitment and scheme of treatment with commensurate budgetary provisions in EMP.
3. Physical targets for proposed social activities.

PP vide letter dated 16/03/2021 submitted reply of the above query. The query reply was placed before the committee, after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Manufacturing of Dyes Intermediates & API at Plot no.74-75, Meghnagar Industrial Area, AKVN, Meghnagar, Dist. Jhabua- 457779 (M.P) Capacity – 202 MT/Month., Category- Synthetic Organic Chemicals Industry (Dye intermediates) Project, subject to the following special conditions:

List of Proposed EC Product:

S. No.	Product list	Production Quantity(MT/Month)
1	Bronner's Acid	10 MT
2	Aniline 2:4 Disulphonic Acid	10 MT
3	Aniline 2:5 Disulphonic Acid	10 MT
4	G-Salt	20 MT

5	4 sulphoHydrozone	15 MT
6	5 sulphoHydrozone	10 MT
7	Sulpho OAVS	10 MT
8	N-Methyl J-Acid	12 MT
9	4 SulphoAnthanilic Acid	20 MT
10	Dichlone	10 MT
11	4 Chlorophthalic acid	20 MT
12	Nitro mass of PNCBOSA	10 MT
13	1-Phenyl 3-Methyl 5-pyrazone	15 MT
14	5- chloro 8 Hydroxyquinone	05 MT
15	Meta nitro para toluene	15 MT
16	Broadax GP Base	10 MT
TOTAL		202 MT/Month

(A) Statutory compliance:

1. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board(MPPCB).
2. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time & permission of competent authority if ant tree falling is to be carried out.
3. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(B) Air quality monitoring and preservation

1. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.

2. Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
3. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
4. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(C) Water quality monitoring and preservation

1. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
2. The net fresh water requirement shall be 18 KLD. The rejected water will be reused for gardening/green belt.
3. The industrial water requirement for the proposed project is 18 KLD per day sourced from surface water supply. Total cumulative waste water generation from proposed unit will be 14.1 KLD and will be sent to ETP plant (20KLD) for primary treatment inside the plant and further to CETP Meghnagar.
4. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
5. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
6. Total fresh water requirement shall not exceed 18KLD.
7. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
8. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
9. Dedicated power supply shall be ensured for uninterrupted operations of treatment

systems.

(D) Noise monitoring and prevention

1. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
2. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during nighttime.

(E) Energy Conservation measures

1. The energy sources for lighting purposes shall preferably be LED based.
2. The total power requirements for project will be 200KVA. The power will be supplied by Power Generator i.e. Grid power.

(F) Waste management

1. The entire process area should be provided with double liner HDPE geo membrane system of thickness 1.5 mm and double leachate collection system for detection of any leachate.
2. PP will be using briquettes or coal as a fuel in boiler.
3. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
4. As proposed, 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
5. Used or spent oil, Wastes or residues containing oil, Process waste sludge/residues containing acid, toxic metals, organic compounds, Dust from air filtration system, Spent acid, Spent solvent, Spent catalyst, Empty barrels/containers/liners contaminated with hazardous chemicals /wastes, Chemical sludge from waste water treatment will be sent to TSDF/ authorized recyclers.
6. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
7. Automatic smoke, heat detection system should be provided in the sheds. Adequate firefighting systems should be provided for the storage area.
8. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor

of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.

9. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
10. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
11. Storage areas should be provided with adequate number of spill kits at suitable locations.
12. The spill kits should be provided with compatible sorbent material in adequate quantity.
13. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
14. Proper fire fighting arrangements in consultation with the fire departments should be provided against fire incident.
13. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
14. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
15. The company shall undertake waste minimization measures as below:
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.

(G) Green Belt

1. 1497 sq. meter area will be covered with the good green belt .The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
2. 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. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

3. PP shall also develop green belt along the road with 100 numbers of trees. Further PP shall develop green belt over community places in consultation with DIC or IMC.

(H) Safety, Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

(I) EMP

1. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus

any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements /deviation/ violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

2. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
3. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
4. The proposed EMP cost is Rs. 14.30 Lakh as capital and 9.66 Lakh /year as recurring cost. In Environmental Management Plan following activities has been proposed by PP:
5. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
6. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried-out.

(J.) Miscellaneous

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC &SEIAA.
2. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
3. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, and also that during their presentation to the Expert Appraisal Committee.
4. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change

(MoEF&CC).

5. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

19. Case No 8311/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP 481111 Prior Environment Clearance for Sand Quarry in an area of 8.396 ha. (127619 cum per annum) (Khasra No. 650 Part), Village - Singodi, Tehsil - Waraseoni, Dist. Balaghat (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 650 Part), Village - Singodi, Tehsil - Waraseoni, Dist. Balaghat (MP) 8.396 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. 2874 dated: 25/09/2020 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, during presentation PP stated that this is a case of river sand mining on Chandan River as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP shall submit revised surface plan showing submerged area as non-mining area. 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).
- Aquatic eco-system study shall be conducted and present in the EIA report.
- 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.

20. Case No 8315/2021 Smt. Sangya Jaiswal W/o Shri Rajendra Kumar Jaiswal, Village & Post - Beldongri Tehsil - Pushprajgarh, Dist. Anuppur (MP) Prior Environment Clearance for Stone Quarry in an area of 1.268 ha. (10003 cum per annum) (Khasra No. 101/1), Village - Beldongri, Tehsil - Pushprajgarh, Dist. Anuppur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 101/1), Village - Beldongri, Tehsil - Pushprajgarh, Dist. Anuppur (MP) 1.268 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. 1507 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. During presentation it was observed by committee that a kachha road is existed at a distance of 20 meters in the NE side, a natural drain at 120 m in Western side of the lease. 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 10,003 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.82 Lakh as capital and Rs 05.43 Lakh/year as recurring has proposed by PP.

21. Case No 8316/2021 M/s Narmada Stone Crusher, Prop. Shri Shailendra Kumar Gupta, R/o, Rajendragram, Tehsil - Pushprajgarh, Dist. Anuppur, MP Prior Environment Clearance for Stone Quarry in an area of 2.335 ha. (12,000 cum per annum) (Khasra No. 385/1), Village - Picharwahi, Tehsil - Pushprajgarh, Dist. Anuppur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 385/1), Village - Picharwahi, Tehsil - Pushprajgarh, Dist. Anuppur (MP) 2.335 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. 561 dated: 01/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that 01 tree is existed within lease area PP submitted that this tree is proposed for felling. After presentation the committee asked to submit following details:

1. Commitment that 01 tree is existing within lease and which will not be uprooted.
2. Revised EMP.

PP has submitted the response of above quarries same date vide letter dated 16.03.2021. 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 12,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 27.52 Lakh as capital and Rs 5.79 Lakh/year as recurring has proposed by PP.

22. Case No 8317/2021 Shri Arjun Singh S/o Shri Gyan Singh, Village - Jatakheda, Tehsil & Dist. Sehore, MP - 466114 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (3038 cum per annum) (Khasra No. 487/1/3, 487/1/5), Village - Jatakheda, Tehsil - Sehore, Dist. Sehore (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 487/1/3, 487/1/5), Village - Jatakheda, Tehsil - Sehore, Dist. Sehore (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2140 dated: 26/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that a kachha road is existed at a distance of 13 m & 10 m in the North and south side respectively. 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 3038 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.99 Lakh as capital and Rs 1.67 Lakh/year as recurring has proposed by PP.

23. Case No 8318/2021 Shri Sanjay Mastana S/o Shri Kailash Chandra Jain, Partner, M/s Maruti Stone Crusher, Ward No. 4, Shivaji Nagar, Tehsil - Begamganj, Dist. Raisen, MP - 464881 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (10584 cum per annum) (Khasra No. 371/2/1, 371/2/2), Village - Mahuakheda Khurd, Tehsil - Begamganj, Dist. Raisen (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 371/2/1, 371/2/2), Village - Mahuakheda Khurd, Tehsil - Begamganj, Dist. Raisen (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 3287 dated: 01/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining and 01 more mine is existence within 500 meters whereas MO has reported that there are no more mines operating or proposed, PP submitted that it was TP. After presentation the committee asked to submit following details:

- Justification w.r.t. 01 more mine is existence within 500 meters
- EMP as per revised format.

PP has submitted the response of above quarries same date vide letter dated 16.03.2021. 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 10,584 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.80 Lakh as capital and Rs 01.97 Lakh/year as recurring has proposed by PP.

24. Case No 8319/2021 Shri Yashraj Giri S/o Late Shri Dev Giri, R/o Village - Gajanan House, Tehsil & Dist. Tikamgarh, MP - 472001 Prior Environment Clearance for Stone Quarry in an area of 2.799 ha. (19500 cum per annum) (Khasra No. 28/2), Village - Shrinagar, Tehsil - Tikamgarh, Dist. Tikamgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 28/2), Village - Shrinagar, Tehsil - Tikamgarh, Dist. Tikamgarh (MP) 2.799 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. 1265 dated: 18/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

25. Case No 8320/2021 Shri Ved Prakash Pathak S/o Shri Rama Shankar Pathak, R/o, Village - Dhamna, Tehsil - Rajnagar, Dist. Chhatarpur, MP - 471515 Prior Environment Clearance for Stone Quarry in an area of 1.299 ha. (50000 cum per annum) (Khasra No. 1542), Village - Parei, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1542), Village - Parei, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.299 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. 638 dated: 16/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

26. Case No 8321/2021 Smt. Bhawna Chauhan W/o Shri Santosh Gudwan Singh, Seoda, Tehsil - Ashta, Dist. Sehore, MP - 466001 Prior Environment Clearance for Stone Quarry in an area of 3.30 ha. (19950 cum per annum) (Khasra No. 119/1), Village - Seoda, Tehsil - Ashta, Dist. Sehore (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 119/1), Village - Seoda, Tehsil - Ashta, Dist. Sehore (MP) 3.30 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 508 dated:

05/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

27. Case No 8322/2021 Shri Manish Yadav S/o Shri Bhagchand Yadav, Village - Sunderpur, Tehsil - Panagar, Dist. Jabalpur, MP -482001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (13300 cum per annum) (Khasra No.172 Part), Village - Maneri Ryt., Tehsil - Shahpura, Dist. Dindori (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No.172 Part), Village - Maneri Ryt., Tehsil - Shahpura, Dist. Dindori (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 (Ekal Praman-Patr) letter no. 581 dated: 05/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that a pucca road is existed at a distance of 100 meters in the western side and water body at a distance 50 m in the south side. After presentation the committee asked to submit following details:

- Justify why crusher is installed within lease area.
- Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 16.03.2021. 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 13,300 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 6.75 Lakh as capital and Rs 03.26 Lakh/year as recurring has proposed by PP.

28. Case No 8323/2021 M/s Bake Bihari Stone Crusher, Shri Yatendra Singh Chauhan, Partner, DH - 89, Deendayal Nagar, Dist. Gwalior, MP - 474020 Prior Environment Clearance for Stone Quarry in an area of 2.250 ha. (197719 cum per annum) (Khasra No.Old - 621, 624, New - 775), Village - Tatarpura., Tehsil - Bhandar, Dist. Datia (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No.Old - 621, 624, New - 775), Village - Tatarpura., Tehsil - Bhandar, Dist. Datia (MP) 2.250 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. 334 dated: 19/02/2021 has reported that there are 12 more mines operating or proposed within 500 meters around the said mine with total area of 26.7 ha., including this mine.

The case was presented by the PP and their consultant to obtain TOR for capacity expansion of stone from 15,000 cum per annum to 1,97,000 cum per annum. During presentation it was observed by committee that a pucca road is existed at a distance of 200 meters in the eastern side and habitation at <200 m in the NE side of the lease. PP submitted that the base line environmental monitoring for this site is being collected from Jan 2021. Moreover, PP submitted the hard copy of baseline data results in the month of Jan. & Feb 2021. Being it's a case Stone Quarry with total area of 26.7 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. settlement which is <200 meters m in the NE side of the lease and pucca road is 200 meters in the eastern side.

- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
- Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.

29. Case No 8324/2021 Shri Ramnivas, Village - Gadoli, PO - Haminpur, Tehsil - Surajgarh, Dist. Jhunjhunu, Rajasthan - 333029 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (11,400 cum per annum) (Khasra No. 566), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 566), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1229 dated: 25/02/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.0 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the lease area is already excavated. 03 trees existed within lease area which are proposed for felling PP submitted 30 additional trees shall be planted. After presentation the committee asked to submit following details:

- Justification regarding pit is an existence.

- Felling of 03 trees is proposed hence, PP's commitment that additionally 30 trees shall be planted as compensatory plantation after taking permission from the competent authority.
- Revised EMP as per revised format.

PP has submitted the response of above quarries same date vide letter dated 16.03.2021. 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 11,400 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 5.69 Lakh as capital and Rs 02.28 Lakh/year as recurring has proposed by PP.

30. Case No 8325/2021 Shri Kamalbhan Singh, Village - Harraipratap Singh, Tehsil - Hanumana, Dist. Rewa, MP – 486553 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (24909 cum per annum) (Khasra No. 107/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 107/2), Village - Sardaman, Tehsil - Hanumana, Dist. Rewa (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 (Ekal Praman-Patr) letter no. 1324 dated: 01/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.400 ha., including this mine.

The case was presented by the PP and their consultant during presentation during presentation as per Google image based on coordinates provided by PP, it was observed that the lease area is already excavated. Protection plan w.r.t. to habitation at a distance of 75 m in the south side of lease area. After presentation the committee asked to submit following details:

- Justification regarding pit is an existence.
- Protection plan w.r.t. to habitation at a distance of 75 m in the south side of lease area
- Revised EMP as per revised format.

PP has submitted the response of above quarries same date vide letter dated 16.03.2021. 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 24,909 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 6.89 Lakh as capital and Rs 02.93 Lakh/year as recurring has proposed by PP.

31. Case No. – 6635/2019 M/s Shrikishnadas Tikaram, Civil Lines, Post Box No. 156, Dist. Katni, MP - 483501, Prior Environment Clearance for Expansion of Bauxite and Fireclay Mine in an area of 6.03 ha. From 5,500 to 45,000 TPA(Bauxite – 38,000 tonne per annum, Fireclay – 7,000 tonne per annum) (Khasra No. 48, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 63, 64, 75, 76), Village - Birpur, Tehsil - Rampur Naikin, Dist. Sidhi (MP).

This is case of Expansion of Bauxite and Fireclay Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 48, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 63, 64, 75, 76), Village - Birpur, Tehsil - Rampur Naikin, Dist. Sidhi (MP) 6.03 Ha. The project requires prior EC before commencement of any activity at site.

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

PP has submitted the EIA report vide letter dated 08/3/2021 which was forwarded through SEIAA vide letter no. 7174 dated 12/3/2021, which was placed before the committee.

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

The chronology of the project:-

Sl. No.	Particulars	Details
1.	Mine lease and its first	• 1st grant - 20 year period w.e.f. 07/09/1977 to 06/09/1997 vide state govt.

	renewal	order dated 24/02/1977 (6.314 ha). • 1 st Renewal - Mine lease (6.03 ha) for 20 year period w.e.f 07/09/1997 to 06/09/2017.
2.	Extension of Lease period	50 years period from first lease grant i.e 07/09/1977 to 06/09/2027.
3.	Earlier Environmental Clearance Letter	Environment Clearance (EC) for 5,500 TPA productions was granted by State Environment Impact Assessment Authority (SEIAA), Madhya Pradesh vide its EC letter No. 134/EPCO-SEIAA/10 dated 26/05/10 .
4.	Consent Status	Renewal of Consent valid till 26/08/2022.
5.	Mining Plan Approval	vide letter no. MP/Sidhi/Bauxite/MPLN/MoD - 60/2017-18 , 3361 dated 12/10/2017 by Regional Controller of mine, IBM, Jabalpur.
6.	Forest NoC	letter no. 4263 dated 29/06/19. granted by DFO, Sidhi
7.	ToR Letter for Proposed Expansion	Letter No. 882/PS-MS/MPPCB/SEAC/TOR (410)/2019 dated 20/12/19 [Case No.6635/2019].
8.	Public Hearing	29/10/2020 at project site
9	Certified Compliance Report by MoEF	Dated 24.02.2021

PP submitted that opencast semi mechanized method of mining will be carried -out. The lease area is undulating with general slope towards South-East. All operation of mining such as development, winning of ore, loading and transport will be carried out by utilizing HEMM. No drilling or blasting will be done . In order to prevent haphazard excavation of pits, the development has been proposed in Quarry and develop the quarry towards east and north. Haul roads will be maintained in good condition and leading from the opencast workings to surface will be arranged to provide one way traffic.

PP further submitted that it is an existing Bauxite & Fireclay mine (6.03 ha) and seeking environmental clearance for expansion in production from 5,500 TPA to 45,000 TPA with ML area 6.03 ha. PP further submitted that no drilling and controlled blasting is proposed. The ground water table will not be intersected and mining will be carried out up to 10 m below ground level i.e up to 298m RL. The ground water table area varies from 30 m bgl (278mRL) to 35 m bgl (283m RL) during post and pre monsoon period respectively. PP stated that they have also obtained MoEF & CC compliance report (letter dated 24/02/2021) of earlier EC condition and compliance was found satisfactory and additional data sought submitted.

After detail discussion and deliberation committee asked the PP to submit the following information:

- Mine dewatering Plan.
- Details of Tree felling and their and compensatory plantation plan.

PP vide their letter dated 16/03/2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Birpur Bauxite and Fireclay Mine (6.03 ha) proposing expansion in production capacity from 5,500 TPA to 45,000 TPA at Village Birpur, Tehsil Rampur Naikin, District Sidhi, M.P. 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 Trans boundary 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 then it is required 10 times of plantation for 01 tree uprooting.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road shall be compacted on regular interval and transport road will be made pucca and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

9. No drilling and controlled blasting shall be carried out.
10. Working height of the loading machines shall be compatible with bench configuration.
11. No intermediate stacking is permitted at the mine site.
12. No dump shall be stacked outside the lease area.
13. Water sprinklers shall be provided in mine.

14. 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.
15. 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 additional 8,100 trees shall be planted over backfilled area, barrier zone, transportation route and in buffer zone besides already planted 1100 trees.
16. Transportation of material shall be done in covered vehicles.
17. Transportation of minerals shall not be carried out through forest area.
18. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the DGM.
19. 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 3114 cum (1038 X 2 X 1.5), a desiltation pond 525 cum (25 x 7 x 3.0) and one sump 1800 cum (30.0m x 20m x 3 m).
20. 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.
21. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
22. The existing and proposed land use plan of the mine is as follows:

S. No	Particular	Existing	5 th year end	Conceptual Period
1	Total area excavated (broken)	1.47	2.74	(5.40)
2	Area fully mined out (out of 1)	Nil	1.6	(5.40)
3	Area fully reclaimed (Backfilled out of 2)	Nil	1.10	(2.80)
4	Area rehabilitated out of 3 by plantation	NA	0.85	2.80
5	Area reclaimed by water harvesting	Nil	Nil	2.60
6	Total area under dumps	0.20	0.20	Nil
7	Area under Inactive dumps	0.20	0.20	Nil
8	Area under mineral stack	0.25	0.25	Nil
9	Area under Road	0.05	0.05	Nil
10	Area under Green belt	0.10	0.63	0.63

11	Undisturbed area	3.96	2.16	0
	Total	6.03	6.03	6.03

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

(C) ENTIRE LIFE OF THE PROJECT

27. In the proposed EMP, capital cost is Rs. 9.40 Lakh is proposed and Rs. 5.95 Lakh /year as recurring expenses.
28. For this project PP has proposed following physical targets under as Corporate Environment Responsibility (CER) for remaining project period :

S. No.	Activities	Remark
1.0	Water Supply	
	Water will be supplied by tanker for drinking during summer season in village Birpur and Naikin.	
2.0	Health	
	Organizing health camps in Village Birpur Village and Naikin village once in a alternate year	Health camp can also be organized in other nearby villages in consultation of gram panchayat
	Distribution of medicine as per suggestion of Doctors in medical camp once in a year	
3.0	Infrastructure Development	
	Road Maintenance Construction of Birpur village internal road (Length-500 m and Width 3 m) in consultation of gram panchayat. Completion of work by end of year 2023. Providing furniture, painting and Repair of primary school Building of Birpur village	Work will taken up in consultation of gram panchayat

	FY 2021-22.	
4.0	Charnoi Land Development	
	In consultation of Gram Panchayat the existing Charnoi Land in nearby village area will develop by plantation of palatable grasses. The total area to be developed under the charnoi land development programme will be equal to the proposed water reservoir area (2.60 ha). Plantation in non mineralized area will be done from first year onwards.	

29. 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.
30. 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.
31. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
32. PP will comply with all the commitments made vide letter dated 16/03/2021.
33. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

32. Case No 7629/2020 M/s Power Mech Projects Limited, Executive Director, Shri Krishna Praveen Kota, Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Dist. Bhopal, MP Prior Environment Clearance for Sand Quarry in an area of 20.242 ha. (91,450 cum per annum) (Khasra No. 149/1), Village - Joshipur, 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. 149/1), Village - Joshipur, Tehsil - Budhni,

Dist. Sehore (MP) 20.242 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. 1524 dated: 03/09/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 50.16 ha., including this mine.

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

PP has submitted the EIA report vide letter dated 12/3/2021 which was forwarded through SEIAA vide letter no. 7176 dated 12/3/2021 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 20.242 ha in Village –Joshipur, Tehsil- Budhni, 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 7868/Mining Plan cell-8/N. K.-42/2020 Bhopal dated 14/08/2020 for a production capacity of 91450m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank/14523/khanij/2020/Sehore, dated 28/8/2020.
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 700/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.

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 Km²**. 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 5074556 cum. (As Per DSR Sehore)
- Hence it is concluded that the annual production capacity (91450 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 Scheme. After presentation and deliberation, PP was asked to submit following information:

1. Undertaking from PP that manually shall be carried out as mining is proposed on the River Narmada.
2. PP shall submit annual replenishment report/study with R.L. and contour details, conducted on the River Narmada.

3. Revised plantation species, propose Arjun tree on river bank Karanj on transportation rout as suggested by committee.
4. Sand evacuation route should be shown on map with details of road length and width.
5. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
6. Revised EMP incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 16.02.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 20.242 Ha. (91,450 cum per annum) (Khasra No. 149/1), Village – Joshipur, Tehsil - Budhni, 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 31,500 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

23. In the proposed EMP, capital cost is Rs. 54.78Lakh is proposed and Rs. 2.14 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. no.	Description	Physical Target	Description
1	Construction of Separate toilet for Male &Female	2no	Construction of Separate toilet for Male &Female

2	Plantation in Village primary School	2000 nos	Plantation in Village primary School
3	Maintenance of Village Road & Approached road	1500 sqm 500 length & 3 m width (Village road) Approach road 1500 m	Maintenance of Village Road & Approached road
4	Construction of Speed breaker in village and approached road	4nos	Construction of Speed breaker in village and approached road

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

Discussion based on Query reply submitted by PP.

33. Case No 8216/2021 Shri Samir Giri S/o Shri Ramesh Giri, B-2/1102, Maple Woods, Nipaniya, Dewas Naka, Dist. Indore, MP - 452016 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (20000 cum per annum) (Khasra No. 314), Village - Murmari, Tehsil - Mohkhed, Dist. Chhindwara (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 314), Village - Murmari, Tehsil - Mohkhed, Dist. Chhindwara (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. 1428 dated 28/1/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in the 485 SEAC meeting dated 25-02-21 wherein it was observed by the committee that it's a case of Stone mining. During presentation it was observed by committee that a natural drain is existing at a distance of 130 meters in the south. After presentation the committee asked to submit following details:

- Space available at pit bottom.
- Commitment that crusher shall be installed outside lease area as submitted by PP otherwise budgetary allocations shall be made for 04 meters high MS wind breaking wall in EMP.

PP has submitted the response of above quarries on dated vide letter dated 12.03.2021. 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 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 06.14 Lakh as capital and Rs 03.37 Lakh/year as recurring has proposed by PP.

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

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

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

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

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the SEAC 478th meeting dated 01/02/2021. Committee decided to give last chance

to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

PP has submitted the response of above quarries on dated vide letter dated 15.03.2021. 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 1,02,178 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 24.20 Lakh as capital and Rs 02.92 Lakh/year as recurring has proposed by PP.

35. Case No 8244/2021 Shri Jairam S/o Shri Nannulal, Village - Semari Bazayaft, Post - Ratibad, Tehsil - Huzur, Dist. Bhopal, MP – 462042 Prior Environment Clearance for Stone Quarry in an area of 2.890 ha. (20520 cum per annum) (Khasra No. 315, 316, 317), Village - Semari Bazayaft, Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 315, 316, 317), Village - Semari Bazayaft, Tehsil - Huzur, Dist. Bhopal (MP) 2.890 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. 413 dated: 03/02/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed through google image that two civil structures are in existence on the western and southern side of the lease as per recent NGT order dated 21/07/20 projects which involves blasting 200 meters area is to be left as non mining area. PP submitted that they will not carryout blasting and mining will be carried out through rock breaker and will leave 100 meters non mining area from these structures. During appraisal it was also observed that 02 more mines are in existence within 500 meters for which PP submitted that these are old leases and are

not in operation and same can be verified from the previous google images. After presentation, PP was asked to submit following:

1. Commitment that rock breaker will be used for mining and no blasting shall be carried out.
2. Revised production plan leaving 100 meters area as non mining area due to structures on the western and southern side.
3. Justification for two mines within 500 meters periphery.

PP has submitted the response of above quarries on dated vide letter dated 15.03.2021. 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 20,520 cum/year.
2. Due to existing structures on the southern and western side of the lease no blasting shall be carried out and rock breaker shall be used for mining purpose as committed by PP.
3. 100 meters area shall be left as non mining area on the southern and western side of the lease due to existing structures.
4. A budgetary provision for Environmental management Plan of Rs. 16.61 Lakh as capital and Rs 02.21 Lakh/year as recurring has proposed by PP.

(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 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.

- ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
- iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
- iv. The sand quarrying shall not be carried out below the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
- v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
- vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
- vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
- viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
- ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

Annexure- 'C'

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

- 1. Mining should be done only to the extent of reclaiming the agricultural land.
- 2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
- 3. The mining shall be carried out strictly as per the approved mining plan.
- 4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
- 5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
- 6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
- 7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
- 8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
- 9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
- 10. No Mining shall be carried out during Monsoon season.
- 11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.

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

- b. Mining Lease area of the project (in ha.)
- c. Production capacity of the project.

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis

of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.

20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintain 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.