

The 497th meeting of the State Expert Appraisal Committee (SEAC) was held on 05th April, 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 7343/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 7.891 ha. (40,000 cum per annum) (Khasra No. 34) at Village- Kubari, Tehsil- Palera, District- Tikamgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 34) at Village- Kubari, Tehsil- Palera, District- Tikamgarh (MP) 7.891 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. 81 dated 26/5/2020 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 447th SEAC dated 22/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 30/3/2021 which was forwarded through SEIAA vide letter no. 45 dated 01/4/2021, 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 Dhasan River is spread over an area of 7.891 ha in Village- Kubari, Tehsil- Palera, District-Tikamgarh, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no Pre-kramank/Ret/2020/513 dated 28th January 2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by District Mining Office Tikamgarh, Madhya Pradesh vide letter no. Kramank-11/ Khanij/ Teen-06/ 2020/3477 dated 06th March, 2020 for a production capacity of 40,000 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-11/ Khanij/ Teen-6/ 2020/81 dated 26/05/2020 .
- 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- Dhasan River

- The Dhasan River is a right bank tributary of the Betwa River. The river originates in Begumganj tehsil of Raisen district in Madhya Pradesh state in central India. The river forms the southeastern boundary of the Lalitpur District of Uttar Pradesh state.
- Total length of the river is 365 km, out of which 240 km lies in Madhya Pradesh, 54 km common boundary between Madhya Pradesh and Uttar Pradesh and 71 km in Uttar Pradesh.
- The major tributaries of Dhasan River are Ur, Saprar, and Parai Nadi.
- 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 entire district comes under Betwa sub-basin of Ganga basin. Dadhni, Janmi, bargi, Ur and Dhasan are the major rivers draining in the district area and ultimately join in the north with Betwa river. Dhasan, Jamni and Sadhni are Perrenial Rivers whereas Ur, Bargi, Gorar and Supihar are ephemeral rivers. The overall drainage pattern in the district is dendritic.
- The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season

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.
- The Annual Replenished Sand in Dhasan River is 13654130 cum. (As Per DSR)
- Hence it is concluded that the annual production capacity (40,000 cum in 7.891 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.

During presentation it was submitted by PP that water demand for mining shall be made through Panchayat, for which committee suggested that prior approval of gram Panchayat shall be obtained and a written commitment shall be submitted by PP in this regard. After presentation and deliberation, PP was asked to submit following information:

1. Written commitment from PP that water will be sourced from Gram Panchayat after their approval.
2. Revised plantation species, remove Ber from the proposed list of plantation and add Sissoo tree as suggested by committee.
3. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
4. Revised EMP as suggested by committee incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 05.04.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 7.891 ha. (40,000 cum per annum) (Khasra No. 34) Village- Kubari, Tehsil- Palera, District-Tikamgarh (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 12085 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. 33.91 Lakh is proposed and Rs.3.15 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Kubari will include improving toilets, Arrangement of drinking water, repair and whitewash of building, repair of boundary wall, etc.	Schools	01
2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	03
3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the Protection from the spread of Corona virus (COVID 19 Pandemic).	Villages	03
4	Development of grassland using prosobis seeds on government waste land	Nearby Vilages	05
5	Maintenance of Village Roads	Roads	02

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

2. Case No 7344/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 16.00 ha. (80,000 cum per annum) (Khasra No. 1, 36) at Village- Tauriya Ungad, Tehsil- Palera, District- Tikamgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 36) at Village- Tauriya Ungad, Tehsil- Palera, District- Tikamgarh (MP) 16.00 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. 75 dated 26/5/2020 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 447th SEAC dated 22/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 30/3/2021 which was forwarded through SEIAA vide letter no. 43 dated 01/4/2021, which was placed before the committee.

PP has submitted the EIA report vide letter dated 30/03/2021 which was forwarded through SEIAA vide letter no. 43 dated 01/04/2021, 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 Ur River is spread over an area of 16.0 ha in Tauriya Ungad, Tehsil- Palera, District- Tikamgarh, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no Pre-kramank/Ret/2020/513 dated 28th January 2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by District Mining Office Tikamgarh, Madhya Pradesh vide letter no. Kramank-11/ Khanij/ Teen-06/ 2020/3473 dated 06th March, 2020 for a production capacity of 80,000 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-11/ Khanij/ Teen-6/ 2020/75 dated 26/05/2020 .

- 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- Ur River

- Ur is the biggest River of Tikamgarh block and a tributary of the river Dhasan. The river originates at the Sudha Sagar Lake.
- Total length of the river is 83 km.
- The major tributaries of Ur River are Parai Nadi.
- 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 entire district comes under Betwa sub-basin of Ganga basin. Dadhni, Janmi, bargi, Ur and Dhasan are the major rivers draining in the district area and ultimately join in the north with Betwa river. Dhasan, Jamni and Sadhni are Perrenial Rivers whereas Ur, Bargi, Gorar and Supihar are ephemeral rivers. The overall drainage pattern in the district is dendritic.
- The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season 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.
- The Annual Replenished Sand in Ur River is 1977601 cum. (As Per DSR Tikamgarh)
- Hence it is concluded that the annual production capacity (80,000 cum in 16.00 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.

During presentation as per Google image of Jan 2021, it was observed that the part of the lease is submerged in the water for which PP submitted that this was old image and desired sand quantity is available within lease area. PP further submitted that the area occupied by water shall be left as non mining area. During presentation it was submitted by PP that water demand for mining shall be made through Panchayat, for which committee suggested that prior approval of gram Panchayat shall be obtained and a written commitment shall be submitted by PP in this regard. After presentation and deliberation, PP was asked to submit following information:

1. Revised surface map showing non– mining area as part of the lease is submerged in the water and latest photographs showing sand availability.
2. Written commitment from PP that water will be sourced from Gram Panchayat after their approval.
3. Revised plantation species, remove Ber tree from the proposed list of plantation and add Sissoo tree as suggested by committee.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
5. Revised EMP as suggested by committee incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 05.04.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 16.0 ha. (80,000 cum per annum) Khasra No. 1, 36) at Village- Tauriya Ungad, Tehsil- Palera, District-Tikamgarh (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 24,000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
15. Transportation of sand shall be done in covered vehicles.
16. Transportation of sand shall not be carried out through forest area.
17. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
18. Appropriate and submitted activities shall be taken up for social up-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. 27.91 Lakh is proposed and Rs.3.15 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Toriya will include improving toilets, Arrangement of drinking water, repair and whitewash of building, repair of boundary wall, etc.	Schools	01
2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	03
3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the Protection from the spread of Corona virus (COVID 19 Pandemic).	Villages	03
4	Development of grassland using prosobis seeds on government waste land	Nearby Vilages	05
5	Maintenance of Village Roads	Roads	02

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.

3. Case No 7347/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 8.927 ha. (65,000 cum per annum) (Khasra No. 1, 349) at Village- Pachora, Tehsil- Palera, District- Tikamgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 349) at Village- Pachora, Tehsil- Palera,

District- Tikamgarh (MP) 8.927 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. 90 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 14.216 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 447th SEAC dated 22/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 30/3/2021 which was forwarded through SEIAA vide letter no. 37 dated 01/4/2021, 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 Saprar River is spread over an area of 8.927 ha in Pachora, Tehsil- Lidhora, District- Tikamgarh, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no Pre-kramank/Ret/2020/513 dated 28th January 2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by District Mining Office Tikamgarh, Madhya Pradesh vide letter no. Kramank-11/ Khanij/ Teen-06/ 2020/67 dated 26 May, 2020 for a production capacity of 65000 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-11/ Khanij/ Teen-6/ 2020/90 dated 26/05/2020 .
- 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- Saprar River

- The Saprar River is originated from near the Vaidora Jungle which is 15km from the project site in the SW direction. Saprar River is rain water fed river. After originating from Vaidora jungle the river flows towards the north east and crosses the state

boundary of Madhya Pradesh and enters in Jhansi, Uttar Pradesh. Then the river meets with Sukhne River near Mau Rural, Jhansi.

- Total length of the river is 70 km, out of which 37 km lies in Madhya Pradesh, 03 km common boundary between Madhya Pradesh and Uttar Pradesh and 30 km in Uttar Pradesh.
- 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 entire district comes under Betwa sub-basin of Ganga basin. Dadhni, Janmi, bargi, Ur and Dhasan are the major rivers draining in the district area and ultimately join in the north with Betwa river. Dhasan, Jamni and Sadhni are Perrenial Rivers whereas Ur, Bargi, Gorar and Supihar are ephemeral rivers. The overall drainage pattern in the district is dendritic.
- The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season 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.
- The Annual Replenished Sand in Ur River is 1198540 cum. (As Per DSR)
- Hence it is concluded that the annual production capacity 65,000 cum in 8.927 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.

During presentation it was submitted by PP that water demand for mining shall be made through Panchayat, for which committee suggested that prior approval of gram Panchayat shall be obtained and a written commitment shall be submitted by PP in this regard. After presentation and deliberation, PP was asked to submit following information:

1. Written commitment from PP that water will be sourced from Gram Panchayat after their approval.
2. Revised plantation species, remove Ber tree from the proposed list of plantation and add Sissoo tree as suggested by committee.
3. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
4. Revised EMP as suggested by committee incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 05.04.2021 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 8.927 ha. (65,000 cum per annum) (Khasra No. 1, 349) Village- Pachora, Tehsil- Palera, District-Tikamgarh (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 13390 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. 35.72 Lakh is proposed and Rs.3.15 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Pachora will include improving toilets, Arrangement of drinking water, repair and whitewash of building, repair of boundary wall, etc.	Schools	01
2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	02

3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the Protection from the spread of Corona virus (COVID 19 Pandemic).	Villages	03
4	Development of grassland using prosobis seeds on government waste land	Nearby Vilages	05
5	Maintenance of Village Roads	Roads	02

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 7338/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 15.059 ha. (36,000 cum per annum) (Khasra No. 280) at Village- Gona, Tehsil- Palera, District- Tikamgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 280) at Village- Gona, Tehsil- Palera, District- Tikamgarh (MP) 15.059 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. 74 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 20.909 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 447th SEAC dated 22/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 35 dated 01/4/2021, 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 Dhasan River is spread over an area of 15.059 ha in Village- Gona, Tehsil- Palera, District-Tikamgarh, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no Pre-kramank/Ret/2020/513 dated 28th January 2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by District Mining Office Tikamgarh, Madhya Pradesh vide letter no. Kramank-11/ Khanij/ Teen-06/ 2020/3472 dated 06th March, 2020 for a production capacity of 36,000 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-11/ Khanij/ Teen-6/ 2020/74 dated 26/05/2020 .
- 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- Dhasan River

- The Dhasan River is a right bank tributary of the Betwa River. The river originates in Begumganj tehsil of Raisen district in Madhya Pradesh state in central India. The river forms the southeastern boundary of the Lalitpur District of Uttar Pradesh state.
- Total length of the river is 365 km, out of which 240 km lies in Madhya Pradesh, 54 km common boundary between Madhya Pradesh and Uttar Pradesh and 71 km in Uttar Pradesh.
- The major tributaries of Dhasan River are Ur, Saprar, and Parai Nadi.
- 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 entire district comes under Betwa sub-basin of Ganga basin. Dadhni, Janmi, bargi, Ur and Dhasan are the major rivers draining in the district area and ultimately join in the north with Betwa river. Dhasan, Jamni and Sadhni are Perrenial Rivers whereas Ur, Bargi, Gorar and Supihar are ephemeral rivers. The overall drainage pattern in the district is dendritic.
- The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season

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.
- The Annual Replenished Sand in Dhasan River is 13654130 cum. (As Per DSR)
- Hence it is concluded that the annual production capacity (36,000 cum in 15.059 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.

During presentation it was submitted by PP that water demand for mining shall be made through Panchayat, for which committee suggested that prior approval of gram Panchayat shall be obtained and a written commitment shall be submitted by PP in this regard. After presentation and deliberation, PP was asked to submit following information:

1. Written commitment from PP that water will be sourced from Gram Panchayat after their approval.
2. Revised plantation species, remove Ber tree from the proposed list of plantation and add Sissoo tree as suggested by committee.
3. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
4. Revised EMP as suggested by committee incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 05.04.2021 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 15.059 ha. (36,000 cum per annum) (Khasra No. 280) Village- Gona, Tehsil- Palera, District-Tikamgarh (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 22828 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. 58.96 Lakh is proposed and Rs.3.42 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Gona will include improving toilets, Arrangement of drinking water, repair and whitewash of building, repair of boundary wall, etc.	Schools	01
2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	03
3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the Protection from the spread of Corona virus (COVID 19 Pandemic).	Villages	03
4	Development of grassland using prosobis seeds on government waste land	Nearby Vilages	05
5	Maintenance of Village Roads	Roads	02

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 7339/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for Sand Quarry in an area of 5.850 ha. (50,000 cum per annum) (Khasra No. 665) at Village- Karula, Tehsil- Palera, District- Tikamgarh (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 665) at Village- Karula, Tehsil- Palera, District- Tikamgarh (MP) 5.850 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 (Ekal Praman-Patr) letter no. 82 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 20.909 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 447th SEAC dated 22/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 30/3/2021 which was forwarded through SEIAA vide letter no. 41 dated 01/4/2021, 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 Dhasan River is spread over an area of 5.850 ha in Village- Karula, Tehsil- Palera, District-Tikamgarh, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no Pre-kramank/Ret/2020/513 dated 28th January 2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by District Mining Office Tikamgarh, Madhya Pradesh vide letter no. Kramank-11/ Khanij/ Teen-06/ 2020/3475 dated 06th March, 2020 for a production capacity of 50,000 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-11/ Khanij/ Teen-6/ 2020/82 dated 26/05/2020 .
- 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- Dhasan River

- The Dhasan River is a right bank tributary of the Betwa River. The river originates in Begumganj tehsil of Raisen district in Madhya Pradesh state in central India. The river forms the southeastern boundary of the Lalitpur District of Uttar Pradesh state.
- Total length of the river is 365 km, out of which 240 km lies in Madhya Pradesh, 54 km common boundary between Madhya Pradesh and Uttar Pradesh and 71 km in Uttar Pradesh.
- The major tributaries of Dhasan River are Ur, Saprar, and Parai Nadi.
- 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 entire district comes under Betwa sub-basin of Ganga basin. Dadhni, Janmi, bargi, Ur and Dhasan are the major rivers draining in the district area and ultimately join in the north with Betwa river. Dhasan, Jamni and Sadhni are Perrenial Rivers whereas Ur, Bargi, Gorar and Supihar are ephemeral rivers. The overall drainage pattern in the district is dendritic.
- The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season 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.
- The Annual Replenished Sand in Dhasan River is 13654130 cum. (As Per DSR)
- Hence it is concluded that the annual production capacity (50,000 cum in 5.850ha) 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.

During presentation as per Google image, it was observed that the part of the lease is submerged in the water in the Google image month of October - 2018, for which PP submitted that this was old image and desired sand quantity is available within lease area. During presentation it was submitted by PP that water demand for mining shall be made through Panchayat, for which committee suggested that prior approval of gram Panchayat shall be obtained and a written commitment shall be submitted by PP in this regard. After presentation and deliberation, PP was asked to submit following information:

1. Revised surface map showing non- mining area as part of the lease is submerged in the water and latest photographs showing sand availability.
2. Commitment for water supply from Panchayat.
3. Revised plantation species, remove Ber tree from the proposed list of plantation and add Sissoo tree as suggested by committee.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
5. Revised EMP as suggested by committee incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 05.04.2021 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 5.850 ha. (50,000 cum per annum) (Khasra No. 665) Village- Karola, Tehsil- Palera, District-Tikamgarh (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 8965 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. 58.96 Lakh is proposed and Rs.3.42 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Karola will include improving toilets, Arrangement of drinking water, repair and whitewash of building, repair of boundary wall, etc.	Schools	01
2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	03
3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the Protection from the spread of Corona virus (COVID 19 Pandemic).	Villages	03
4	Development of grassland using prosobis seeds on government waste land	Nearby Vilages	05
5	Maintenance of Village Roads	Roads	02

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 7342/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for Sand Quarry in an area of 6.564 ha. (28,000 cum per annum) (Khasra No. 01, 347) at Village- Larkhurd Parai Nadi, Tehsil- Jatara, District- Tikamgarh (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01, 347) at Village- Larkhurd Parai Nadi, Tehsil- Jatara, District- Tikamgarh (MP) 6.564 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. 87 dated 26/6/2020 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 447th SEAC dated 22/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 30/3/2021 which was forwarded through SEIAA vide letter no. 37 dated 01/4/2021, 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 Dhasan River is spread over an area of 6.564 ha in Village- Larkhurd Parai Nadi, Tehsil- Jatara, District-Tikamgarh, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no Pre-kramank/Ret/2020/513 dated 28th January 2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by District Mining Office Tikamgarh, Madhya Pradesh vide letter no. Kramank-11/ Khanij/ Teen-06/ 2020/124 dated 06th June, 2020 for a production capacity of 28,000 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no. Kramank-11/ Khanij/ Teen-6/ 2020/87 dated 26/05/2020 .
- 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- Parai Nadi

- The Parai Nadi is originated by the accumulation of various Drains (Nala's) which are flowing towards North-East direction. Various Drains or canals from South-West direction covering different Villages such as, Chaturkari, Chandrapura, Luharguwa Khas, Janakpur Khas and Kamal Nagar meets near Ramgarh Village and flow towards North-East Direction named as Parai Nadi. Further The River continues to flow towards North-East and meets The Ur River near the Project Site.
- Parai Nadi is generally rain water feed river. Total length of the river is 20 km before meet Ur River.
- Ur is the biggest River of Tikamgarh block and a tributary of the river Dhasan. The river originates at the Sudha Sagar Lake. Total length of the river is 83 km.

- 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 entire district comes under Betwa sub-basin of Ganga basin. Dadhni, Janmi, bargi, Ur and Dhasan are the major rivers draining in the district area and ultimately join in the north with Betwa river. Dhasan, Jamni and Sadhni are Perrenial Rivers whereas Ur, Bargi, Gorar and Supihar are ephemeral rivers. The overall drainage pattern in the district is dendritic.
- The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season 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.
- The Annual Replenished Sand in Parai Nadi is 477580 cum.
- Hence it is concluded that the annual production capacity (28,000 cum in 6.564 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.

During presentation as per Google image, it was observed that the part of the lease is submerged in the water in the Google image month of November - 2018, for which PP submitted that this was old image and desired sand quantity is available within lease area. During presentation it was submitted by PP that water demand for mining shall be made through Panchayat, for which committee suggested that prior approval of gram Panchayat shall be obtained and a written commitment shall be submitted by PP in this regard. After presentation and deliberation, PP was asked to submit following information:

1. Written commitment from PP that water will be sourced from Gram Panchayat after their approval.

2. Revised surface map showing non– mining area as part of the lease is submerged in the water and latest photographs showing sand availability.
3. Revised plantation species, remove Ber tree from the proposed list of plantation and add Sissoo tree as suggested by committee.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
5. Revised EMP as suggested by committee incorporating expenditure to be incurred on development sand evacuation route.

PP vide their letter dated 05.04.2021 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 6.564 ha. (28,000 cum per annum) (Khasra No. 1, 347) Village- Larkhurd Parai Nadi, Tehsil- Jatara, District- Tikamgarh (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 10078 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. 29.72 Lakh is proposed and Rs.3.15 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sl. No.	Considerations	Unit	Physical Target
1	Maintenance and beautification of school building at Laarkhurd will include improving toilets, Arrangement of drinking water, repair and whitewash of building, repair of boundary wall, etc.	Schools	01

2	Maintenance of Aganwadi Centre and provision of basis services such as drinking water, toilet, etc.	Aganwadi Centres	03
3	Distribution of masks and sanitizers to villagers and conducting an awareness program through Panchayat for the Protection from the spread of Corona virus (COVID 19 Pandemic).	Villages	03
4	Development of grassland using prosobis seeds on government waste land	Nearby Vilages	05
5	Maintenance of Veterinary Hospitals	-	01

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.

7. Case No 7631/2020 M/s R.K.Transport and Construction Ltd, 65-A, Transport Nagar, Dist. Korba, CG - 486889 Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (1,04,850 cum per annum) (Khasra No. 01), Village - Orgai-2, Tehsil - Singrauli, Dist. Singrauli (MP).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Orgai-2, Tehsil - Singrauli, Dist. Singrauli (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 3012 dated: 14/08/2020 has reported that there are 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 458th SEAC dated 22/09/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 03 dated 01/4/2021, 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 submerged area of Govind Balaabh Pant Sagar on Rihand River is spread over an area of 4.00 ha in Village –Orgai, Tehsil- Singrauli, Dist- Singrauli, State - Madhya Pradesh.
- The Letter of intent for the lease has been granted to Project Proponent M/s R. K. Transport & Construction Ltd. by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. S. No. /Sand/2020/ 643 Bhopal, Dated 27.02.2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Office of Collector (Mining Division), Dist. Singrauli (MP) vide letter no. क्रमांक / 1962 / ख.यो. / रेत / अनु. / 2020 सिंगरौली, दिनांक 29.05.2020 for a production capacity of 104850 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no क्रमांक / 3012 / खनिज / रेत / ए.प्र.प. / 2020 सिंगरौली, दिनांक 14.08.2020
- ToR Letter has been issued by SEAC, Bhopal (M.P.) vide letter No. 704/PS-MS/MPPCB/SEAC/TOR (458)/2020 Bhopal, Dated 06/10/2020.
- Public Hearing has been conducted on dated 03/02/2021 near project area
- Opencast Semi mechanized method for mining by scrapping in 3.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.
- Evacuation will be 1000 m long & 6.0 m width road which connect to village road and further connected to SH.

Replenishment Capacity- Rihand River

- The Rihand rises from Matiranga hills, in the region south west of the Mainpat plateau, which is about 1,100 meters above mean sea level. Rihand river is major tributary of Sone River. Sone river finally flows into Ganga River.
- River course is around 213 km approx. from the origin to the Rihand river dam
- Gradient of river is High i.e. highest elevation 539m at origin place of river and while lowest is about 265 m above MSL at QL area, approx. 274m elevation difference. The upstream catchment area is around 13333.26 sq.km.
- Rihand flood plain region's annual precipitation is about 300mm and a big factor that engineers sand transportation from its origin to sand mining area.
- Hence it is concluded that the annual production capacity which will be excavated at the QL area will be replenished easily*.

(*QL Area = **4.00** ha. Required quantity of sand is available at the QL area. The annual production capacity 104850m^3 which will be easily replenished)

- 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 21795013 M. tons/Year.
- The Annual Replenished Sand in Rihand River is 13621883 cum.
- Hence it is concluded that the annual production capacity (1,04,850 cum/annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the Gram Panchayat Bhawan, Aangan badi, School as per submitted scheme.

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

1. Undertaking from PP that Open cast Semi mechanized method shall be carried out as mining is proposed on the River Bed.
2. PP shall submit annual replenishment report/study with R.L. and contour details, conducted on the River Gopad.
3. Revised plantation species, propose Amaltash , Neem ,Satparni 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 05.04.2021 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 Orgai-2 Sand Quarry in an area of 4.00 ha. (1,04,850 cum per annum) (Khasra No. 1), Village – Orgai, Tehsil - Singrauli, Dist. Singrauli (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 WBM 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 semi mechanized 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 10500 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. 40.80 Lakh is proposed and Rs. 11.19 Lakh /year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

SN	Commitment towards public hearing Issue in terms of Physical Target
1	Providing infrastructure support like 5 ceiling fan, 20 chair, 20 Desk, Two toilets with water facility, and One computer etc to the village school at Karauti
2	Suitable grass species will be shown in the 1.00ha 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.
- 8. Case No. – 6273/2019 M/s Wagad Infraprojects Pvt. Ltd, Halmukam, Dhanwantri Nagar, Dist. Jabalpur, MP Prior Environment Clearance for Basalt/Boulder & Crusher Stone Quarry in an area of 1.31 ha. (10,530 cum per annum) (Khasra No. 105P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP).**

This is case of Basalt/Boulder & Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 105P), Village -

Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 1.31 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 22/01/19 has reported that there is 19 more mine operating or proposed within 500 meters around the said mine with total area of 38.44 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 377th SEAC dated 02/7/2019 and 416th SEAC dated 08/01/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 26/3/2021 which was forwarded through SEIAA vide letter no.01 dated 01/4/2021, which was placed before the committee.

PP and their consultant presented the EIA before the committee wherein the PP submitted following about project:

- 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 10530.cum of Metal stone will be excavated per annum.
- The mining lease (area 1.31Ha) has been granted in favour of M/s Wagad Infraprojects Pvt.Ltd. Director Shri Vinod Jain, R/o- Village: Halmukan Dhanwantri Nagar, District: Jabalpur and State: Madhya Pradesh, over an area of 1.31 Ha with Khasra No.-105 Parts Part situated in Village Manegaon Tehsil Jabalpur, District Jabalpur, M.P. Mining will be carried out on the basis of govt. consent order for mining operations for 10 years. A total mineable reserve as per the mining plan is 70,990 cum & with maximum of production of mineral 10,530 cum for 10 years.
- The proposed project is an opencast and fully 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 average **10530** 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. Measured proposed to bring down high value of PM 2.5 & PM 10.
2. Measured to be proposed for prevent highway damage.
3. Revised measured to be proposed for public consultation issues.

4. Revised EMP.
5. Revised CER with additional budget for Grass land development as suggested by committee.

PP vide their letter dated 05.04.2021 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 1.31 ha. (10,530 cum per annum) (Khasra No. 105 Part), Village - Manegaon, Tehsil - Jabalpur, 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 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 1000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 98M X 1M X 1M. The settling tank will be 04 in number of size 5mx 2m x 2m.
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:

SI. NO.	Heads	At Present (Hect.)	At the end of 5 years (Hect.)	At the end of conceptual period (Hect.)
1	Pits	0.65	0.7933	0.7933
2	Dumps	-	0.0	0.0
3	Mineral Stack	-	-	-
4	Road	-	-	-
5	Green Belt	-	0.045*	0.090*

6	Infrastructure	-	0.01*	0
7	Backfilling	-	0	0
8	Other	-	-	-
TOTAL		0.65	0.8483	0.8833

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

(C) ENTIRE LIFE OF THE PROJECT

33. In the proposed EMP, capital cost is Rs. 26.58 Lakh is proposed and Rs.8.07 Lakh /year as recurring expenses.
34. Following physical target based on public hearing under CER.

S. no.	Commitment towards public hearing Issue in terms of Physical Target
1.	Construction of two setup toilets in primary school nearest five village (Manegaon, Mangeli, Basauda, Barha, Bhatuli, Siluwa)
2.	Health awareness, Eye camps and other emergency medical assistance to the people residing in the nearest five villages (Manegaon, Mangeli, Basauda, Barha, Bhatuli, Siluwa)
3.	Development of grazing land at village Manegaon.
4.	Water supply in during scarcity in villages Manegaon, Mangeli, Basauda, Barha, Bhatuli, Siluwa

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

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

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

9. Case No 6735/2020 Shri Manoj Kumar Singh, R/o 8B/K.K. 25 Krishna Puram, Devnagar, Dist. Agra, UP. Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (1,10,000 cum per annum) (Khasra No. 523), Village - Bilharikalan, Tehsil - Datia, 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. 523), Village - Bilharikalan, Tehsil - Datia, Dist. Datia (MP) 2.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no 735 dated 15/10/15 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 11.80 ha including this mine.

Earlier this case was scheduled for presentation and discussion in 454th SEAC dated 29/08/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 31/3/2021 which was forwarded through SEIAA vide letter no. 51 dated 03/4/2021, which was placed before the committee.

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

10. Case No 7336/2020 Smt. Namrata Tirthani W/o Shri Rajesh Tirthani, Village - Khajuri, Tehsil - Huzur, Dist. Bhopal, MP - 462001 Prior Environment Clearance for Murrum Quarry in an area of 3.0 ha. (36782 cum per annum) (Khasra No. 412 Parts) at Village- Khajuri, Tehsil- Huzur, District- Bhopal (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 412 Parts) at Village- Khajuri, Tehsil- Huzur,

District- Bhopal (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1539 dated 06/6/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 7.0 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 448th SEAC dated 23/07/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/3/2021 which was forwarded through SEIAA vide letter no. 7514 dated 24/3/2021, which was placed before the committee.

The case was scheduled for the presentation to day 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. However, PP vide letter dated 01.04.2021 has informed that due to some unavoidable circumstances PP has not able present the case. The committee after deliberations decided that on above request this case should be scheduled in the upcoming meetings of the SEAC for which a request has to be made by the PP.

The case was not scheduled for presentation in 495th SEAC meeting dated 01/04/21 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 495th SEAC meeting dated 01/04/21. 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.

11. Case No 8471/2021 M/s R.K.Transport and Constructions Ltd, Director, Shri Chandra Prakash Singh, 65-A, Transport Nagar, Dist. Korba, Chhattisgarh Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (72000 cum per annum) (Khasra No. 137/1), Village – Babri-1, Tehsil - Seoni Malwa, Dist. Hoshangabad (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 137/1), Village – Babri-1, Tehsil - Seoni Malwa, Dist. Hoshangabad (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. 2376 dated: 26/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 22.0 ha., including this mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Narmada River. PP submitted that only manually method shall be carried out regarding another mine which is mentioned in the letter within 500 meters around this mine, area :18 ha is belongs to same PP , and this mine shall be not operated by them as mentioned by Collector Office (Ekal Praman-Patr) and issued by letter vide no. 2376 dated: 26/03/2021 . Hence, this case now shall be appraised a B-2 . After presentation the committee asked to submit following details:

- Revised CER with additional budget for Grass land development as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 05.04.2021, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 72,000 cum/year.
2. Being River is Narmada hence, only manually method shall be carried out.
3. A budgetary provision for Environmental management Plan of Rs. 14.72 Lakh as capital and Rs. 8.27 Lakh/year as recurring are proposed by PP.

12. Case No 8472/2021 Shri Vishal Nagar S/o Shri Omkar Prasad Sharma, Indore Naka, Ichhawar Road, Tehsil - Sehore, Dist. Sehore, MP Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (10002 cum per annum) (Khasra No. 401/1), Village - Rafiqueganj, Tehsil - Sehore, Dist. Sehore (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 401/1), Village - Rafiqueganj, Tehsil - Sehore, Dist. Sehore (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. 2540 dated: 16/03/2021 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 13.0 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Murrum Quarry. As per M.O. letter dated 16/3/2021 there are 05 more mines within 500 meters. PP submitted that these mines are of Stone and this is Murrum Quarry thus shall not be considered as cluster, being Murrum and Stone are non-homogeneous in nature hence, should be considered as category B-2 type case. Being case of Murrum thus no blasting is proposed. 01 tree in the lease area, PP stated that no tree felling is proposed. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum as per mine plan with quantity not exceeding 10,002 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.03 Lakh as capital and Rs 3.90 Lakh/year as recurring are proposed by PP.

13. Case No 8476/2021 Shri Padam Bhargav, Navmehla Ghasmandi, Dist. Gwalior, MP - 474001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (150001 cum per annum) (Khasra No. 1354), Village - Kharag, Tehsil - Datia, 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. 1354), Village - Kharag, Tehsil - Datia, Dist.

Datia (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. Q dated: 23/11/2020 has reported that there are 10 more mines operating or proposed within 500 meters around the said mine with total area of 29.22 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 29.22 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:-

- Lease is on the hill top hence proper evacuation route with gradient shall be discussed in the EIA report.
- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- The project proponent shall discuss the mitigation measures provided in 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.

14. Case No 8466/2021 M/s Ankita Construction Company, 22, Swariya Colony, Dist. Nimbaheda, Rajasthan - 312601 Prior Environment Clearance for Soil/Murram Quarry in an area of 3.0 ha. (30000 cum per annum) (Khasra No. 1506), Village - Kheda, Tehsil - Sitamau, Dist. Mandsaur (MP)

This is case of Soil/Murram. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1506), Village - Kheda, Tehsil - Sitamau, Dist.

Mandsaur (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 171 dated: 19/01/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Soil / Murrum quarry, where no drilling and blasting is proposed. It was observed in the Google image that a pucca road is existed at a distance of 80 m in the North side and a Kachcha road at 20 m in the West side of the lease. After presentation the committee asked to submit following details:

- Submit physical targets based Corporate Environment Responsibility (CER).
- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 05.04.2021. 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 shall be as per mine plan with quantity not exceeding for Soil/ Murrum 30,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 19.93 Lakh as capital and Rs. 5.925 Lakh/year has proposed.

15. Case No 8467/2021 Shri Lokendra Malviya S/o Shri Shyamlal Malviya, Isakpur, Post - Nazarpur, Tehsil - Ghatiya, Dist. Ujjain, MP - 456550 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (9300 cum per annum) (Khasra No. 89), Village - Dabri, Tehsil - Ghatiya, Dist. Ujjain (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 89), Village - Dabri, Tehsil - Ghatiya, Dist. Ujjain (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. 3007 dated: 29/12/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Murrum Quarry thus no blasting is proposed. During presentation it was also observed in the Google image that a pucca road is existed at a distance of 80 m in the North side and a Kachcha road at 50m in the north-west side of the lease. After presentation the committee asked to submit following details:

- Submit physical targets based Corporate Environment Responsibility (CER).
- Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 05.04.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum as per mine plan with quantity not exceeding 9,300 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 12.56 Lakh as capital and Rs 3.97 Lakh/year as recurring are proposed by PP.

16. Case No 8468/2021 Shri Jabar Singh S/o Shri Ramlakhan Singh, R/o, Village - Bilav, Tehsil & Dist. Bhind, MP Prior Environment Clearance for Soil Quarry in an area of 1.0 ha. (2000 cum per annum) (Khasra No. 1865, 1866), Village - Bilav, Tehsil - Bhind, Dist. Bhind (MP)

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1865, 1866), Village - Bilav, Tehsil - Bhind, Dist. Bhind (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. 2754 dated:

22/03/2021 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 soil quarry, where no drilling and blasting is proposed. PP further submitted that maximum depth will not be > 2.00 meters and kiln is not proposed in 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 shall be as per mine plan with quantity not exceeding for Soil 2,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.90 Lakh as capital and Rs. 02.79 Lakh/year has proposed.

17. Case No 8473/2021 Shri Shiv Kumar Mishra S/o Shri Chandrabhan Mishra, Deori, Dist. Sagar, MP - 470001 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (11760 cum per annum) (Khasra No. 109/1), Village - Chhewala, Tehsil - Deori, Dist. Sagar (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 109/1), Village - Chhewala, Tehsil - Deori, Dist. Sagar (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. 666 dated: 16/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine. After presentation the committee asked to submit following details:

- Revised CER with inclusion provision of sanitizer and mask distribution.

PP has submitted the response of above quarries same date vide letter dated 05.04.2021. The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone mining and lease is located on small hillock. 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 11,760 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 21.93 Lakh as capital and Rs. 1.30 Lakh/year as recurring has proposed by PP.

18. Case No 8474/2021 Shri Ashok Singh Kirar S/o Shri Ram Singh Kirar, R/o Village - Joura Khurd, Tehsil & Dist. Morena, MP - 476001 Prior Environment Clearance for Soil Quarry in an area of 1.474 ha. (4000 cum per annum) (Khasra No. 1889/Min-2, 1897/Min-2, 1890), Village - Joura Khurd, Tehsil - Morena, Dist. Morena (MP)

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1889/Min-2, 1897/Min-2, 1890), Village - Joura Khurd, Tehsil - Morena, Dist. Morena (MP) 1.474 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. 494 dated: 25/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 2.974 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of soil quarry, where no drilling and blasting is proposed. PP further submitted that maximum depth will not be > 2.00. After presentation the committee asked to submit following details:

- PP's commitment that existing kiln will be dismantled and no kiln be installed in the lease area.
- Revised CER with inclusion provision of sanitizer and mask distribution.

PP has submitted the response of above quarries same date vide letter dated 05.04.2021. 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 shall be as per mine plan with quantity not exceeding for Soil 4,000 cum/annum.

2. A budgetary provision for Environmental management Plan of Rs. 9.98 Lakh as capital and Rs. 1.03 Lakh/year has proposed.

19. Case No 8469/2021 M/s Prince Stone Crusher, Proprietor, Shri Rajesh Kumar Jaiswal, Harrtola, Tehsil - Pushprajgarh, Dist. Anuppur, MP - 484224 Prior Environment Clearance for Stone Quarry in an area of 3.140 ha. (10000 cum per annum) (Khasra No. 10, 8/5, 8/3/KA, 8/3/KHA, 8/3/G, 8/3/GH), Village - Jarhi, 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. 10, 8/5, 8/3/KA, /3/3/KHA, 8/3/G, 8/3/GH), Village - Jarhi, Tehsil - Pushprajgarh, Dist. Anuppur (MP) 3.140 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1594 dated: 03/03/2021 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. 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 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 31.03 Lakh as capital and Rs. 1.28 Lakh/year as recurring has proposed by PP.

20. Case No 8470/2021 M/s J.K.Lifecare pvt. Ltd, Shri Anany Mishra, Director, 4, Sant Nagar, Dist. Ujjain, MP - 456010 Prior Environment Clearance for Manufacturing of API Bulk Drugs and Intermediates Unit at 4 at Village - Sant Nagar, Tehsil & Dist. Ujjain, (MP) Total Land area – 15,881 Sq.M. Proposed Production Capacity 500MT/Annum)

This is case of Prior Environment Clearance for Manufacturing of API Bulk Drugs and Intermediates Unit at 4 at Village - Sant Nagar, Tehsil & Dist. Ujjain, (MP) Total Land area – 15881 Sq.M. Proposed Production Capacity 3,300 Kg/Day).

PP and their consultant presented the case before the committee during discussion following details of this project was submitted by the PP:

- M/s. JK Lifecare Centers Pvt Ltd proposes to set up Key starting Materials for Intermediates of API and APIs manufacturing facility with production capacity of 500 MT/Annum.
- The production facility is at notified Industrial Area at Plot no 97, Vikram Udyogpuri, Ujjain, M.P. INDIA 456664
- with total land area of 15881 Sq. MT.
- Domestic production of Active Pharmaceutical Ingredients reduces our dependency on the other countries in the pandemic situation.
- As per the Notification issued by Ministry of Environment, Forest and climate change vide no. [F.No. 19-21/2020-IA.III] dated 15th October 2020, the project lies under 5(f)-B2 category.
- Also as per the Office Memorandum NO:FNo.22-33/2019/IA.III Dated 28th January 21. Issued by Ministry of Environment, forest and climate change, GOI, the issuance of Environment Clearance for API and Intermediates as single category instead of individual products.

S.No.	Name of the Product	Capacity in Kg/Day	Uses and Applications for the APIs that can be produced from these intermediates
1	Itraconazole	300	Acts as an antifungal agent. Treats and prevents fungal infection
2	Olmesartan	400	Treats hypertension - Lowers BP
3	Valsartan	300	Angiotensin receptor blockers (ARBs) - BP/Heart Stokes/ Kidney Problems
4	Losartan	400	To reduce high BP - Used along with other medications
5	Telmisartan	300	cardiovascular medications to treat high blood pressure in old age
6	Gabapentin	250	Parkinson's-like symptoms / swelling of the brain/ injury to the nervous system caused by carbon monoxide poisoning or manganese poisoning
7	Levodopa	300	Parkinson's-like symptoms / swelling of the brain/ injury to the nervous system caused by carbon monoxide poisoning or manganese poisoning
8	Rebeprazole	300	Protease inhibitors - HIV complications / Cancers

9	Sitagliptan	400	HIV medications to help control HIV infection
10	itraconazole	300	Antiviral - genital herpes, cold sores, shingles and chicken pox
11	Levetiracetam	300	Anticonvulsants - decreasing abnormal excitement in the brain/epilepsy

HAZARDOUS WASTE DETAILS

S. No.	Type of Waste	Category	Quantity MTPA	Disposal facility
1	Used Oil	100Lt	1200	Collection, Storage & Reused for internal lubrication purpose.
2	Waste or residues containing oil	100Lt	1200	Collection, storage, transportation & disposal by selling to Authorize recyclers.
3	Process Residue and waste	500Lt	6000	Collection, Storage, Transportation & Disposal to TSDF facility for treatment.
4	Spent carbon	1500 kg	180000	Collection, Storage, Transportation & Disposal to TSDF facility for treatment.
7	Spent solvent	20000 Lt	24 kl	Reused in the process
7	Discarded Containers, bags	1000 kg	12 tons	Collection, storage, transportation & disposal by selling to Authorize recyclers.
8	ETP sludge	2000 kg	24 tons	Collection, Storage, Transportation & Disposal to TSDF site
9	Batch Waste	-	200kg	Collection, Storage, Transportation & Disposal to TSDF site

PLANTATION

Total Land Area is 15881 sq.m and green area is 5240.75 (33%)

After presentation PP was asked to submit following details:

1. Undertaking regarding storage of underground solvent and commitment regarding stack height of boiler.
2. Revised EMP with inclusion of cost of ETP & MEE plant.
3. Quantity of batch waste per annum.
4. Capacity of boiler and type of fuel used.
5. Manufacturing process of the products.

PP vide letter dated 05.04.2021 submitted reply of the above query. The query reply was discussed and 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 Prior Environment Clearance for Manufacturing of API Bulk Drugs and Intermediates Unit at 4 at Village - Sant Nagar, Tehsil & Dist. Ujjain, (MP) Total Land area 15,881 Sq.M. Proposed Production Capacity 500MT/Annum), subject to the following special conditions:

(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.
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 install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. 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.
3. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (if applicable). The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

4. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
5. The DG sets (475kVA) shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
6. 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.
7. 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. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
2. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
3. The High COD/TDS process effluent (20 KLD) and RO Reject will be treated through MEE/ ATFD. The MEE condensates will be recycled/ reused and MEE bottom will be sent to TSDF site.
4. The Low COD/TDS effluent, 50 KLD will be treated in an on-site ETP of 80 KLD.
5. The treated effluent will be reused/ recycled.
6. 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.
7. 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.
8. Total fresh 160 KLD and water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
9. 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.
10. 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.
11. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

(D) Noise monitoring and prevention

1. Acoustic enclosure shall be provided to DG (475 KVA) set for controlling the noise pollution.

2. 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.
3. 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 night time.

(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 500 KW. The power will be supplied by Madhya Pradesh Electricity Board. Biomass Briquette/coal/ oil/gas will be used in boiler of 3TPH.

(F) Waste management

1. 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.
2. As proposed minimum 95% solvent recovery shall be achieved and recovered solvent shall be reused in the process.
3. Hazardous wastes such as spent solvents, organic incinerable wastes/residues, used filter bags, packaging materials, rejected/expired raw materials and off specification/ rejected finished products from the manufacturing plants shall be directly sent to CTSDf, Pithampur.
4. The Fly ash generated from boilers shall be stored in silos and disposed of through cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
5. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
6. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
7. 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.
8. 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.
9. 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.
10. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
11. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
12. Proper fire fighting arrangements in consultation with the fire department 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. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
16. 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.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(G) Green Belt

1. The green belt of 5-10 m width shall be developed 5240.73 sq. meter within and periphery of plant (70 no), in downward wind direction and along road sides etc. 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. As proposed 70 no of plants in Two years shall be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(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. 450 Lakhs as capital and 38.2 Lakhs /year as recurring cost.
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.

X. 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, commitment made during Public Hearing (if applicable) 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.

21. Case No 8477/2021 Shri Ravikant Sahu S/o Shri Durga Prasad Sahu, Galla Mandi Keleri, Distt. Seoni (M.P.) Prior Environment Clearance for Stone Quarry in an area of 4.320 ha. (106280 Cum per Annum) (Khasra No. 5/2, 98/2, 99/1, 99/2), Village – Dungariya, Tehsil – Seoni Distt. Seoni (M.P.)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5/2, 98/2, 99/1, 99/2), Village – Dungariya, Tehsil – Seoni Distt. Seoni (M.P.) 4.320 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. 2035 dated: 16/12/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 12.92 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 12.92 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:-

- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Lease is in two parts justify why lease is sanctioned in 02 parts.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- Protection plan w.r.t. a road is crossing the lease thus it shall be discussed in EIA.
- The project proponent shall discuss the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and

- villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
 - Transportation plan & traffic management plan should be discussed in the EIA report.

22. Case No 8478/2021 Shri Shailendra Singh, AM 111, Deendayal Nagar, Distt Gwalior (M.P.) Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (150005 Cum per annum) (Khasra No. 4175), Village – Parsen, Tehsil – Gwalior, Distt. Gwalior (M.P.)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4175), Village – Parsen, Tehsil – Gwalior, Distt. Gwalior (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. Q-79/15 dated: 26/02/2021 has reported that there are 13 more mines operating or proposed within 500 meters around the said mine with total area of 49.714 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 49.714 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:-

- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- The project proponent shall discuss the mitigation measures provided in 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.

23. Case No 8479/2021 Shri Vishnu Patidar S/o Shri Dev Singh Patidar, Village – Kannod Mirji, Distt. Sehore (M.P.) Prior Environment Clearance for Stone Quarry 3.70 ha. (19012 Cum per annum) (Khasra No. 364/2), Village – Kanood Mirji, Tehsil – Astha, Distt. Sehore (M.P)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 364/2), Village – Kanood Mirji, Tehsil – Astha, Distt. Sehore (M.P) 3.70 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease’s within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 1682 dated: 08/02/2021 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 7.70 ha., including this mine.

The case was presented by the PP and their consultant, being it’s a case Stone Quarry with total area of 7.70 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:-

- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- The project proponent shall discuss the mitigation measures provided in 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.

24. Case No 8480/2021 M/s. Sai Stone Crusher, Prop. Shri Sachin Mishra, Gyan Colony, Rewa Road, Maihar Distt. Satna (M.P.) Prior Environment Clearance for Stone Quarry in area of 1.045 ha. (12996 Cum per Annum) (Khasra No. 1135/942, 1136/942) Village – Bathiya, Tehsil – Maihar, Distt. Satna (M.P.)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1135/942, 1136/942) Village – Bathiya, Tehsil – Maihar, Distt. Satna (M.P.) 1.045 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. 2394 dated: 18/11/2020 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 5.569 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 5.569 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:-

- Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then plan it should be clearly addressed in EIA.
- The project proponent shall discuss the mitigation measures provided in 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.

25. Case No 8481/2021 Smt Priyanka Dwivedi (W/o Shri Anand Dwived, B-805, Jeevan Vihar, Kotra Road, Dist. Bhopal (M.P.) Prior Environment Clearance for Murrum Quarry in area of 2.0 ha. (6000 Cum per Annum) (Khasra No. 88/1/2 New-229) Village Parwaliya Sadak, Tehsil – Huzur, Distt. Bhopal (M.P.)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 88/1/2 New-229) Village Parwaliya Sadak, Tehsil – Huzur, Distt. Bhopal (M.P.) 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. 1191 dated: 30/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 5.60 ha., including this mine.

The case was presented by the PP and their consultant wherein it was observed by the committee that it's a case of Murrum Quarry. As per M.O. letter dated 30/3/2021 there are 01 more mines within 500 meters. PP submitted that these mines are of Stone and this is Murrum Quarry thus shall not be considered as B-2 since, Murrum and Stone are non-homogeneous in nature hence, should be considered as category B-2 type case. Being case of Murrum thus no blasting is proposed. During presentation it was also observed that a Kachcha road is existed at a distance of 10 m in the east 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 Murrum as per mine plan with quantity not exceeding 6,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 6.28 Lakh as capital and Rs 3.95Lakh/year as recurring are proposed by PP.

26. Case No 8431/2021 M/s Cherry Paints & Polymers Pvt. Ltd, 23A, Sector-F, Sanwer Road, Ind. Estate, Dist. Indore, MP - 452015 Prior Environment Clearance for Expansion project of Resins, Paints & Varnishes at Plot No. 23-A, Sector-F, Industrial Area, Sanwer Road, Dist. Indore (MP) Products Quantity (MT/Annum) :

1. Synthetic Resin (Alkyd Resin & Maleic/ Phenolic resin) 900 to 4600 Total after Expansion - 5500 MT/Annum. 2. Paint & Varnishes Total 450 to 7050 Total after Expansion - 7500 MT/Annum. Total after Expansion 5500 + 7500 = 13000 MT/Annum. Categor: 5-(f)

This is case of Prior Environment Clearance for Expansion project of Resins, Paints & Varnishes at Plot No. 23-A, Sector-F, Industrial Area, Sanwer Road, Dist. Indore (MP) Products Quantity (MT/Annum) : 1. Synthetic Resin (Alkyd Resin & Maleic/ Phenolic resin) 900 to 4600 Total after Expansion - 5500 MT/Annum. 2. Paint & Varnishes Total 450 to 7050 Total after Expansion - 7500 MT/Annum. Total after Expansion 5500 + 7500 = 13000 MT/Annum. Categor: 5-(f).

The case was not scheduled for presentation in 495th SEAC meeting dated 01/04/21 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 495th SEAC meeting dated 01/04/21. 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.

27. Case No 8385/2021 Shri Devi Dayal Prajapati S/o Shri Asha Ram Prajapati, Ward No. 1, Chhatarpura, Gohaad Gohadi, Dist. Bhind, MP Prior Environment Clearance for Soil Quarry in an area of 1.0 ha. (2000 cum per annum) (Khasra No. 263, 234), Village - Sisoniya, Tehsil - Gohad, Dist. Bhind (MP)

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 263, 234), Village - Sisoniya, Tehsil - Gohad, Dist. Bhind (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. 2459 dated: 09/03/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.4 ha., including this mine.

The case was not scheduled for presentation in 494th SEAC meeting dated 31/04/21 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 presented by the PP and their consultant wherein it was observed by the committee that it's a case of soil quarry, where no drilling and blasting is proposed. The case was presented by the PP and their consultant. As per Google image based on coordinates provided by it was observed that mine lease is in two parts and a pucca road is passing in between, PP submitted that to make lease of 1.0 ha. hence the lease was sanctioned in two parts as per MMR rules. After presentation the committee asked to submit following details:

- PP's commitment that depth restriction up to 2 m. and no kiln will be installed.
- Revised EMP as suggested by committee.
- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 03.04.2021. 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 shall be as per mine plan with quantity not exceeding for Soil 1,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.12 Lakh as capital and Rs. 2.99 Lakh/year has proposed.

28. Case No 8432/2021 Smt. Madhubala Patidar W/o Shri Prakash patidar, Village - Bidwal, Tehsil - Badnawar, Dist. Dhar, MP Prior Environment Clearance for Murrum Quarry in an area of 4.0 ha. (20000 cum per annum) (Khasra No. 507, 508, 511, 512), Village - Khutpala, Tehsil - Sardarpur, Dist. Dhar (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 507, 508, 511, 512), Village - Khutpala, Tehsil - Sardarpur, Dist. Dhar (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 401 dated: 17/02/2020 has reported

that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 8.0 ha., including this mine.

The case was not scheduled for presentation in 495th SEAC meeting dated 01/04/21 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 presented by the PP and their consultant, being it's a case Stone Quarry with total area of 8.0 ha., including this mine. PP submitted that these mines are of Stone and Soil. Being this is Murrum Quarry thus shall not be considered B1 as Stone and soil are non- homogeneous in nature with Murrum hence, should be considered as category B-2 case. Being case of Murrum thus no blasting is proposed. Kachchi road is in the eastern side at a distance of 10 m and also lease is very thin in the middle of the lease. PP asked left this are as non- mining area and proposed for plantation. After presentation the committee asked to submit following details:

- Why it is come in the B-2 category.
- Revised surface map showing non- mining area as lease is very thin in the middle of the lease.
- Soil depth and Soil management plan.
- Revised EMP

PP has submitted the response of above quarries same date vide letter dated 05.04.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murrum as per mine plan with quantity not exceeding 20,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 3.11 Lakh as capital and Rs 3.34 Lakh/year as recurring are proposed by PP.

29. Case No 8433/2021 Shri Jayrudra Mines & Minerals, Prop. Shri Vinay Sonkar, 312, Peshkari School, Bhartipur, Dist. Jabalpur, MP Prior Environment Clearance for Stone 16,316 cum per annum & Murrum – 4220.50 cum per annum , in an area of 1.30 ha. (Khasra No. 808/1), Village - Barela, Tehsil - Jabalpur, Dist. Jabalpur (MP)

This is case of Stone and Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 808/1), Village - Barela, Tehsil -

Jabalpur, Dist. Jabalpur (MP) 1.30 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 873 dated: 09/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was not scheduled for presentation in 495th SEAC meeting dated 01/04/21 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 presented by the PP and their consultant wherein it was observed by the committee that it's a case of Stone & Murrum mining. 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 as per mine plan with quantity not exceeding for Stone 16,316 cum per annum & Murrum 4220.50 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.89 Lakh as capital and Rs 3.72 Lakh/year as recurring are proposed by PP.

30. Case No 7653/2020 Shri Vishnu Prasad Dangi S/o Motilal Dangi, Village - Kalipith, Tehsil & Dist. Rajgarh, MP – 465661 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (2550 cum per annum) (Khasra No. 267), Village - Kalipith, Tehsil - Rajgarh, Dist. Rajgarh (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 267), Village - Kalipith, Tehsil - Rajgarh, Dist. Rajgarh (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. 433 dated: 11/05/20 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of stone mining. During presentation it was observed by the committee that lease is located near tar road which is approx. 80 meters away on the northern side. After presentation the committee asked to submit following details:

1. Agreement with the land owner.
2. Certificate of Tehsildar.
3. NPK analysis as lease is located on agricultural field.
4. Top soil and its management plan.
5. Revised plantation scheme.
6. Revised EMP as suggested by committee.
7. Revised CER as suggested by committee.

PP's reply not received till date and it appears that PP is not interested to continue with the project. Since the tenure of SEAC will be over on 09 October, 2020 and all such cases which are pending at SEAC will become category-I cases in the absence of SEAC. Thus case file is being sent to SEIAA for onward necessary action please.

The case was discussed in 666th SEIAA meeting dated 17/3/2021 and it was recorded that.

The case was recommended in 643 SEIAA meeting dated 6/10/2020 and it was recorded that... The following cases were discussed in 464th SEAC meeting dated 03/10/2020 and it was recorded that.

PP has not submitted desired information in the stipulated time even after given reminder letter. Hence, these cases are recommended by the committee for delisting in the light of MoEF&CC. O.M. File No. J-11013/5/2009-IA-II(Part), dated 30th October, 2012 and tenure of SEAC will be over by 09/10/2020.

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

PP vide letter dated 24/02/21 has submitted request letter to in SEIAA office to relist the case by showing his interest to present the case, therefore it has been decided to relist the case and send the technical file to SEAC for appraisal vide letter no. 7910 dated 31/03/2021.-

The case was presented by the PP and their consultant for above quarries and same was found satisfactory. The EMP and other submissions made by the PP were found to be

satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 2,550 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.12.18 Lakh as capital and Rs.2.16Lakh/year are proposed by PP.

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

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

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1079 dated: 16/12/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in SEAC 476th meeting dated 29/01/2021 & 472th SEAC meeting dated 06/01/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented in 480th meeting dated 13/02/2021 by the PP and their consultant during presentation it was observed that this is a case of capacity expansion of stone from

23,400 cum per annum to 60,420 cum per annum. Hence, the PP was asked to submit MoEF&CC compliance report in this above context then after case shall be appraised.

PP has submitted the response of above quarries same date vide letter dated 25.03.2021, which was placed before the committee but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was not scheduled for presentation in 495th SEAC meeting dated 01/04/21 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 495th SEAC meeting dated 01/04/21. 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.

Discussion based on query reply submitted by PP

32. Case No 8298/2021 Shri Bhoiraj Komadiya S/o Shri Ramesh Chandra Komadiya, Village - Rajgarh, Tehsil - Sardarpur, Dist. Dhar, MP Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (25000 cum per annum) (Khasra No. 1207), Village - Ringnod, Tehsil - Sardarpur, Dist. Dhar (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1207), Village - Ringnod, Tehsil - Sardarpur, Dist. Dhar (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 404 dated: 17/02/2021 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 in the 489th SEAC meeting dated 12/3/21 wherein during presentation it was observed that the lease area is already excavated. PP submitted that this is a case of capacity expansion of Murrum quarry from 7750 cum per annum to 25,000 cum per annum. Committee asked PP to submit MoEF&CC compliance report then after case shall be appraised.

PP has submitted the response of above quarries same date vide letter dated 24.03.2021, which was placed before the committee wherein committee observed that as per the compliance report, the compliance of condition number 09,10,11 is not given in the report. PP has also not planted the trees in the desired numbers and expenses made for the CSR are also not submitted. After deliberations, PP was asked to submit response on above issues.

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.

33. Case No 8416/2021 M/s Shiv Shakti Infra, Raj Bhawan, Katni Road, PO - Maihar, Dist. Satna, MP - 485771 Prior Environment Clearance for Stone Quarry in an area of 3.483 ha. (71250 Tonne per annum) (Khasra No. 1042, 1043(P), 428, 429, 430, 431, 449/1, 453/1, 454/1), Village - Barahiya, Tehsil - Maihar, Dist. Satna (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1042, 1043(P), 428, 429, 430, 431, 449/1, 453/1, 454/1), Village - Barahiya, Tehsil - Maihar, Dist. Satna (MP) 3.483 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. 182 dated: 12/01/2020 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 in the SEAC 495th meeting dated 01.04.2021. PP stated that this is a case of stone mining. During appraisal it was observed by the committee that mine pit is seen within 500 m for which PP submitted that these are very old mine pits in existence since 2008-10 and are not in operation. During presentation

it was observed by the committee that some Khasra part of lease are mortgage in the bank. PP was asked to submit clarification on this issue for further consideration of this case.

PP vide letter dated 03.04.2021 has submitted in the response of above quarry wherein it was observed by the committee that SBI, branch Maihar, District Satna vide dated 03.04.2021 has released the part Khasra no. (as 428, 429, 430 and 431) of lease, which are mortgage in the bank. The same was placed before the committee and found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Stone as per mine plan with quantity not exceeding 2,550 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.18.89 Lakh as capital and Rs.6.46 Lakh/year are 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 $1/4^{\text{th}}$ or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine

workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.

19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Mining Lease boundary shall be appropriately earmarked with fencing.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
28. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
 - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
 - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.

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

Annexure- 'C'

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

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

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

Annexure- 'D'

General conditions applicable for the granting of TOR

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

22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.

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

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