

The 533rd meeting of the State Expert Appraisal Committee (SEAC) was held on 14th December, 2021 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

1. Shri Raghvendra Shrivastava, Member.
2. Prof. (Dr.) Rubina Chaudhary, Member.
3. Dr. A. K. Sharma, Member.
4. Prof. Anil Prakash, Member.
5. Prof. (Dr.) Alok Mittal, Member
6. Dr. Jai Prakash Shukla, Member.
7. Dr. Ravi Bihari Srivastava, Member.
8. Shri A.A. Mishra, Member, Secretary.

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

1. **Case No. – 7674/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP – 487661 Prior Environment Clearance for Sand Quarry in an area of 4.80 ha. (86,400 cum per annum) (Khasra No. 1801/2062), Village - Pondikala - 2, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP). [Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana)].**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1801/2062), Village - Pondikala - 2, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) 4.80 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2593 dated: 14/09/2020 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 462nd SEAC dated 30/09/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri manish Kadam & Ashish Gupta Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad (Telangana) on behalf of PP stated that this is a case of river sand mining on Jhanpar River which is a tributary of Banas River. During presentation. As per Google image it was observed that the lease is located 730 m in the up-stream of the road bridge.

Following lease details were submitted by the PP :

- The mine lease of river sand mine on Son River is spread over an area of 4.80 ha in Village –Pondikalan, Tehsil- Jaisingh nagar, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated -28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19/Khanij/2020/2328 Shahdol dated 13/08/2020 for a production capacity of 86,400m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/khanij/2020/2593 Shahdol, dated 14/09/2020.
- Opencast Semi-mechanized and manually method for mining by scrapping in 3.0m 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.
- The Son originates near Amarkantak in Anuppur district of Madhya Pradesh, just east of the headwater of the Narmada River, and flows north-northwest through Shahdol district in Madhya Pradesh state before turning sharply eastward where it encounters the southwest-northeast-Kaimur Range. The Son parallels the Kaimur hills, flowing east-northeast through Uttar Pradesh, Jharkhand and Bihar states to join the Ganges just west of Patna.

REPLENISHMENT CAPACITY

- The Son River which is 784 kilometers (487 mi) long. But as per Google maps, the distance from Amarkantak to meeting point of Ganges is 932 kilometres (579 mi). Hence the actual length of this river is debatable. The Son is one of the

longest Indian rivers. Its chief tributaries are the Rihand, Banas, Kanhar and the North Koel.

- 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 Catchment area of Son river in Shahdol dist is about 14028 km².
- The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 1,91,39,967 M. tons/Year.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme. After presentation and deliberation, PP was asked to submit following information:

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

1. PP commitment that water supply will be done through Panchayat after their approval.
2. Proposal for plantation on evacuation road upto village Pondikala. Amd state highway Umaria & Beohari.
3. Revise plantation scheme & species with location –wise bifurcation as suggested by the committee.
4. EMP incorporating expenditure to be incurred on development sand evacuation route.
5. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 14.12.2021 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 Environment Clearance for Sand Quarry in an area of 4.80 ha. (86,400 cum per annum) (Khasra No. 1801/2062), Village - Pondikala - 2, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) subject to the following special conditions in addition to the standard conditions at annexure 'B':

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement.

- Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
4. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet 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 6,000 trees shall be planted on along River Bank and Approach road of Gram Panchayat Bhawan, Aanganbadi, School and along the transportation route.
 5. Transportation of sand shall be done in covered vehicles.
 6. Transportation of sand shall not be carried out through forest area.
 7. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
 8. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
 9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 10. The commitments made in the public hearing are to be fulfilled by the PP.
 11. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
 12. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 24.35 Lakh is proposed and Rs.2.01 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

| Year | Description | Physical Target | Financial Target |
|-------------------------|--|-----------------|------------------|
| 1 st Year | Construction of CC road in Village | 1000 sqm | 5,00,000/- |
| | Bore-well shall be done in village middle School Building supplied by overhead tank & established overhead tank in school Building with complete fitting | 1 No. | 2,00,000/- |
| 2 nd Year | Provide Computer & Printer for Middle School Pondikala & Gram Panchayat | 1 no | 2,00,000/- |

| | | | |
|-------------------------|---|-------|------------|
| | Drainage construction in Village Area | 1km | 5,00,000/- |
| 3 rd Year | Bore Well shall be done in Gram Panchayat area as per recommended by Gram Panchayat | 1 No. | 1,00,000/- |
| | 5 No of Hand Pump drill in Village | 5 No. | 5,00,000/- |

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

2. Case No. – 7673/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP – 487661 Prior Environment Clearance for Sand Quarry in an area of 10.0 ha. (27960 cum per annum) (Khasra No. 266/1), Village - Barkachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP). [Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana)].

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 266/1), Village - Barkachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2593 dated: 14/09/2020 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 462nd SEAC dated 30/09/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri manish Kadam & Ashish Gupta Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad (Telangana) on behalf of PP stated that this is a case of river sand mining on Jhanpar River which is a tributary of Banas River PP

further submitted that being a river sand mine mine hence, mining will be carried out through semi mechanized open-cast method adopting a system of benches. It was observed that the road bridge is located within lease which is under construction PP shall be left setback as Sand Mining Guidelines 2020. Following lease details were submitted by the PP :

- The mine lease of river sand mine on Jhapar River is spread over an area of 10.00 ha in Village –Barkachh, Tehsil- Jaisingh nagar, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated -28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank19/khanij/2020/2327 Shahdol, dated 13/08/2020 for a production capacity of 27960 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/khanij/2020/2597 Shahdol,dated 14/9/2020.
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.0 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.

Replenishment Capacity- Jhanpar River

- Jhanpar river is a tributary of Banas river. It originates somewhere near Biajaha Village. It takes a northern course for about 32 km through Sedimentary terrain primarily limestone & Dolomite, While Shale and Sandstone in the later stage. The flow direction in regional scale follows south west to North east till the river meets and disappeared in Banas River at Bhamraha village of Shahdol District.
- The river is about 32 km long. It is a rich source of sands and other associated aggregates as after entering into Banas river, sedimentary rocks of Vindhya and Gondwana, carries and deposits a good load. Moreover, due to lithology of the course, the quality of sand is also good one.
- Shahdol district lies only 2 Group of Formation one is Gondwana Supergroup while other is Mahakoshal group of Rocks laying over Granitic Gneisses and Granite Basement.

- The Catchment area of Janpar River is 204.66 km². On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 5,68,000 M. tons/Year.
- Hence i t is concluded that the annual production capacity (27,960 cum in 10.00 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

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

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

1. PP commitment that water supply will be done through Panchayat after their approval.
2. Revised surface plan showing setback / mandatory safety distance as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC due to existence of under construction Road Bridge.
3. Proposal for plantation on evacuation road where from evacuation of sand is proposed.
4. Revise plantation scheme & species with location –wise bifurcation as suggested by the committee.
5. EMP incorporating expenditure to be incurred on development sand evacuation route.
6. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 14.12.2021 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 Environment Clearance for Sand Quarry in an area of 10.00 ha. (27,960 cum per annum) (Khasra No. 266/1), Village - Barkachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) subject to the following special conditions in addition to the standard conditions at annexure 'A':

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
1. No intermediate stacking is permitted at the mine site.
2. Overhead sprinklers shall be provided in mine.
3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement.

Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.

4. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet 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 12,000 trees shall be planted on along River Bank and Approach road of Gram Panchayat Bhawan, Aanganbadi, School and along the transportation route.
5. Transportation of sand shall be done in covered vehicles.
6. Transportation of sand shall not be carried out through forest area.
7. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
8. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. The commitments made in the public hearing are to be fulfilled by the PP.
11. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
12. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 31.74 Lakh is proposed and Rs.1.70 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

| Year | Description | Physical Target | Financial Target |
|-------------------------|--|-----------------|-------------------|
| 1 st Year | Maintenance of Village Road | 500 sqm | 1,50,000/- |
| | Bore-well shall be done in village middle School Building supplied by overhead tank & established overhead tank in school Building with complete fitting | 1 No. | 2,00,000/- |
| 2 nd Year | Provide Computer & Printer for Middle School Barkachh & Gram Panchayat | 2 no | 2,00,000/- |

| | | | |
|-------------------------|---|-------|------------|
| | Drinking Water facilities in Middle School & Gram Panchayat Bhawan | 2 No. | 50,000/- |
| 3 rd Year | Bore Well shall be done in Gram Panchayat area as per recommended by Gram Panchayat | 1 No. | 1,00,000/- |
| | 2 No of Hand Pump drill in Village near by existing bore well | 2 No. | 2,00,000/- |
| Total | | | 9,00,000/- |

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

3. Case No. – 7697/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP - 487661 Prior Environment Clearance for Sand Quarry in an area of 8.00 ha. (48,000 cum per annum) (Khasra No. 2126/1, 2490, 2491), Village - Barachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP). [Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana)].

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2126/1, 2490, 2491), Village - Barachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) 8.00 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. 2595 dated: 14/09/2020 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 462nd SEAC dated 30/09/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri Manish Rao Kadam Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana). & PP Shri Ramlal Jhariya. PP stated that this is a case of river sand mining on Jhanpar River which is a tributary of Banas River. During presentation.

- The mine lease of river sand mine on Jhappar River is spread over an area of 8.00 ha in Village –Barachh, Tehsil- Jaisingh nagar, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated -28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19/Khanij/2020/2329 Shahdol dated 13/08/2020 for a production capacity of 48,000m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/03khanij/2020/2598 Shahdol, dated 14/9/2020.
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.00 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser..

Replenishment Capacity- Jhappar River

- Jhanpar river is a tributary of Banas river. It originates somewhere near Biajaha Village. It takes a northern course for about 32 km through Sedimentary terrain primarily limestone & Dolomite, While Shale and Sandstone in the later stage. The flow direction in regional scale follows south west to North east till the river meets and disappeared in Banas River at Bhamraha village of Shahdol District.
- The river is about 32 km long. It is a rich source of sands and other associated aggregates as after entering into Banas river, sedimentary rocks of Vindhya and Gondwana, carries and deposits a good load. Moreover, due to lithology of the course, the quality of sand is also good one.
- Shahdol district lies only 2 Group of Formation one is Gondwana Supergroup while other is Mahakoshal group of Rocks laying over Granitic Gneisses and Granite Basement.

- The Catchment area of Janpar River is 204.66 km². On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 5,68,000 M. tons/Year.
- Hence it is concluded that the annual production capacity (48,000 cum in 8.00 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

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

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

1. PP commitment that water supply will be done through Panchayat after their approval.
2. PP commitment that mining shall be done up to the maximum depth of 01 meters as per the issue raised in public hearing.
3. Proposal for plantation on evacuation road where from evacuation of sand is proposed.
4. Revise plantation scheme & species with location –wise bifurcation as suggested by the committee.
5. EMP incorporating expenditure to be incurred on development sand evacuation route.
6. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 14.12.2021 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 8.00 ha. (48,000 cum per annum) (Khasra No. 2126/1, 2490, 2491), Village - Barachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP).subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially,

dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.

5. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet 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 12,000 trees shall be planted on along River Bank and Approach road of Gram Panchayat Bhawan, Aanganbadi, School and along the transportation route.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
9. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. The commitments made in the public hearing are to be fulfilled by the PP.
12. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
13. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 34.02 Lakh is proposed and Rs.1.81 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

| Year | Description | Physical Target | Financial Target |
|-------------------------|--|-----------------|-------------------|
| 1 st Year | Maintenance of Village Road | 500 sqm | 1,50,000/- |
| | Bore-well shall be done in village Higher Secondary School Building supplied by overhead tank & established overhead tank in school Building with complete fitting | 1 No. | 2,00,000/- |
| 2 nd Year | Provide Computer & Printer for Higher Secondary School Barachh & Gram Panchayat | 2 no | 2,00,000/- |
| | Medical Camp Organized in village Barachh | 1 time in year | 1,00,000/- |

| | | | |
|-------------------------|---|-------|--------------------|
| 3 rd Year | Bore Well shall be done in Gram Panchayat area as per recommended by Gram Panchayat | 1 No. | 1,00,000/- |
| | Development & Maintenance of Cattle House | 1 No. | 1,00,000/- |
| Total | | | 8,50,000.00 |

3. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 4. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
4. **Case No. – 7698/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP - 487661 Prior Environment Clearance for Sand Quarry in an area of 4.734 ha. (23,640 cum per annum) (Khasra No. 2524), Village - Barachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP).). [Env. Consol.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana)].**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2524), Village - Barachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) 4.734 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. 2598 dated: 14/09/2020 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 462nd SEAC dated 30/09/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri Manish Rao Kadam Env. Consol.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana). & PP Shri Ramlal Jhariya. PP stated that this is a case of river sand mining on Jhanpar River which is a tributary of Banas River.

During presentation PP has submitted that:

- The mine lease of river sand mine on Jhapar River is spread over an area of 4.734 ha in Village –Barachh, Tehsil- Jaisingh Nagar, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated -28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19/Khanij/2020/2326 Shahdol dated 13/08/2020 for a production capacity of 23640 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/Khanij/2020/2598 Shahdol, dated 14/9/2020.
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.0 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.

Replenishment Capacity- Jhapar River

- Jhanpar river is a tributary of Banas river. It originates somewhere near Biajaha Village. It takes a northern course for about 32 km through Sedimentary terrain primarily limestone & Dolomite, While Shale and Sandstone in the later stage. The flow direction in regional scale follows south west to North east till the river meets and disappeared in Banas River at Bhamraha village of Shahdol District.
- The river is about 32 km long. It is a rich source of sands and other associated aggregates as after entering into Banas river, sedimentary rocks of Vindhya and Gondwana, carries and deposits a good load. Moreover, due to lithology of the course, the quality of sand is also good one.
- Shahdol district lies only 2 Group of Formation one is Gondwana Supergroup while other is Mahakoshal group of Rocks laying over Granitic Gneisses and Granite Basement.
- The Catchment area of Janpar River is 204.66 km². On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.

- The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 5,68,000 M. tons/Year.
- Hence it is concluded that the annual production capacity (23,640 cum in 4.734 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme. After presentation and deliberation, PP was asked to submit following information:

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

1. PP commitment that water supply will be done through Panchayat after their approval.
2. PP commitment that frequent water sprinkling will be carried out during sand evacuation to avoid fugitive emissions as per the issue rose in public hearing.
3. Proposal for plantation on evacuation road where from evacuation of sand is proposed.
4. Revise plantation scheme & species with location –wise bifurcation as suggested by the committee.
5. EMP incorporating expenditure to be incurred on development sand evacuation route.
6. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 14.12.2021 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

for Prior Environment Clearance for Sand Quarry in an area of 4.734 ha. (23,640 cum per annum) (Khasra No. 2524), Village - Barachh, Tehsil - Jaysinghnagar, Dist. Shahdol, (MP) subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
 1. No intermediate stacking is permitted at the mine site.
 2. Overhead sprinklers shall be provided in mine.
 3. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
 4. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet 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 6,000 trees shall be planted on along River Bank and Approach road of Gram Panchayat Bhawan, Aanganbadi, School and along the transportation route.

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

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 26.83 Lakh is proposed and Rs.1.47 Lakh /year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

| Year | Description | Physical Target | Financial Target |
|----------------------|--|--------------------|--------------------|
| 1 st Year | Maintenance of Village Road | 500 sqm | 1,50,000/- |
| | Construction of Toilet In Higher Secondary School Barachh (1 male & 1 Female) | 2 no. | 1,00,000/- |
| 2 nd Year | Bore Well shall be done in Gram Panchayat area | 2 no | 2,00,000/- |
| | Development of Play Ground in village Barachh | 1 no | 1,00,000/- |
| 3 rd Year | 2 no of Hand Pump drill near bore well in gram panchayat area as per recommended by Gram Panchayat | 1 No. | 1,00,000/- |
| | Provide Stationary item for Higher Secondary school Barachh & Gram Panchayat Barachh | As per requirement | 50,000/- |
| | Total | | 7,00,000.00 |

3. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 4. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
5. **Case No. – 7695/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP - 487661 Prior Environment Clearance for Sand Quarry in an area of 3.173 ha. (20760 cum per annum) (Khasra No. 64), Village - Lodhi, Tehsil - Gohparu, Dist. Shahdol, (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 64), Village - Lodhi, Tehsil - Gohparu, Dist. Shahdol, (MP) 3.173 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. 2601 dated: 14/09/2020 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 462nd SEAC dated 30/09/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri Manish Rao Kadam Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad(Telangana). & PP Shri Ramlal Jhariya. PP stated that this is a case of river sand mining on Jhanpar River which is a tributary of Banas River . During presentation it was further observed by the committee that part of lease is submerged in water for which non mining zone shall be left for area which is under submergence. During presentation

- The mine lease of river sand mine on Chundi River is spread over an area of 3.173 ha in Village –Lodhi, Tehsil- Gohparu, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated - 28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19/khanij/2020/2325 shahdol, Dated 13/08/2020 for a production capacity of 20,760 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/khanij/2020/2601 Shahdol, dated 14/09/2020.
- Opencast Semi-mechanized and manually method for mining by scrapping in 2.0 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.

Replenishment Capacity- Chundi River

- Chundi River is the river of the shahdol District and located at the Northern Central part Shahdol District . It is originates near village Bhadrwahi in the Shahdol District. It is flows east to west and meets Son River near village Bhamraha.
- The Chundi River which is 55 kilometres (22 mi) long. The catchment area of Chundi river is **532.12 km²**.
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Shahdol district is **1131.4 mm**. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- **Dandy Bolton Formula** has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may **vary 10-fold or even 100-fold computed yields**.

- On the basis of Dandy Bolton formula the Sediment Yield is **1310184 M. tons/Year.**
- Hence it is concluded that the annual production capacity (20,760 cum in 3.173 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road of, Gram Panchayat Bhawan, Aanganbadi, School as per submitted scheme. After presentation and deliberation, PP was asked to submit following information:

The EIA was presented by Shri manish Kadam & Ashish Gupta Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad (Telangana) on behalf of PP stated that this is a case of river sand mining on Chundi River. During presentation, PP submitted that monitoring was carried out during February to May, 20 as due to COVID-19 lockdown period scheduled monitoring of April, 20 could not be performed. During appraisal it was also observed by the committee that part of lease is submerged in water and another stream is joining the lease from the southern side thus setback / mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC. During appraisal it was observed by the committee that adjoining land is having vegetation cover and shall not be used for sand evacuation for its protection. After presentation and deliberation, PP was asked to submit following information:

1. PP commitment that water supply will be done through Panchayat after their approval.
2. Part of lease is submerged in water and another stream is joining the lease from the southern side thus setback / mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and revised surface plan shall be submitted.
3. Adjoining land is having vegetation cover and shall not be used for sand evacuation for its protection thus proposed sand evacuation route on Google map shall be approved by the competent district authority.
4. PP commitment that no mining will be carried out outside of allotted lease area as per the issue rose in public hearing.
5. Proposal for plantation on evacuation road where from evacuation of sand is proposed.

6. Revise plantation scheme & species with location –wise bifurcation as suggested by the committee.
7. EMP incorporating expenditure to be incurred on development sand evacuation route.
8. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

6. **Case No 8828/2021 M/s VDH Eco-Energy Enterprises Pvt. Ltd, Director Shri Yashvardhan Rajgadhia, 503, Jolly Bhavan No. 1, New Marine Line, Dist. Mumbai, Mah Prior Environment Clearance for Marble Quarry in an area of 7.310 ha. (22500 Cum per annum) (Khasra No. 692, 693, 692/826, 691, 687, 688, 695), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP) Env. Consultant M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram .**

This is case of Marble Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 692, 693, 692/826, 691, 687, 688, 695), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP) 7.310 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Arvind Singh, M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram and Shri G. K. Mishra on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 5121 dated 12/10/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total 27.978 ha., including this mine. During presentation as per Google image based on coordinates provided by PP, it was observed that within lease, few trees/ root stocks were observed PP shall submitted that management plan. PP further submitted that Baseline monitoring of this project area is being conducted in pre-monsoon & post- monsoon (is under way) in the year 2021.

During presentation committee observed that a kachha road is crossing/passing by the lease and thus necessary protection plan shall be provided in the EIA report along with the right of access. Committee further observed that water impoundment within the lease on the southern side thus its status shall be discussed in the EIA report. Being it's a case Marble Quarry with total area of 27.978 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:-

- Root stock/ tree inventory with management plan, height & girth details shall be provided in the EIA report.
- A kachha road is crossing/passing by the lease and thus necessary protection plan shall be provided in the EIA report along with the right of access.
- Water impoundment within the lease was observed on the southern side thus its status and protection plan shall be discussed in the EIA report
- Slurry management plan as wire saw mining method is proposed.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.

7. **Case No 8829/2021 M/s VDH Eco-Energy Enterprises Pvt. Ltd, Director Shri Yashvardhan Rajgadhia, 503, Jolly Bhavan No. 1, New Marine Line, Dist. Mumbai, Mah., Prior Environment Clearance for Marble Quarry in an area of 6.240 ha. (22500 Cum per annum) (Khasra No. 715, 716/1, 716/2, 716/824), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP) Env. Consultant Shri M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram.**

This is case of Marble Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 715, 716/1, 716/2, 716/824), Village - Nimas, Tehsil - Bahoriband, Dist. Katni (MP) 6.240 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Arvind Singh, M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram and Shri G. K. Mishra on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 5117 dated 12.10.2021 has reported that there 07 more mines operating or proposed within

500 meters around the said mine with total 27.978 ha., including this mine. During presentation as per Google image based on coordinates provided by PP, it was observed that within lease, few trees/ root stocks were observed PP shall submitted that management plan. PP further submitted that Baseline monitoring of this project area is being conducted in pre-monsoon & post- monsoon (is under way) in the year 2021.

Committee observed that being it's a case Marble Quarry with total area of 27.978 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:-

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

8. Case No 8837/2021 M/s Anurag Stone Crusher, Shri Sandeep Kumar Rajak, Shahpura, Tehsil - Shahpura, Dist. Dindori, MP - 481990 Prior Environment Clearance for Stone Quarry in an area of 2.63 ha. (10,000 Cum per annum) (Khasra No. 160/1), Village - Maneri Ryt, Tehsil - Shahpura, Dist. Dindori (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 160/1), Village - Maneri Ryt, Tehsil - Shahpura, Dist. Dindori (MP) 2.63 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Dr. Swati Jain and Shri G. K. Mishra on behalf of PP on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 482 dated 11/11/2021 has reported that there are one more mines operating or proposed within 500 meters around the said mine with total area of 4.63 ha. including this mine . As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|-----------|---|
| Pucca Road | 35 | East | 15 m set back wrt pucca road with three rows of Plantation towards road side. |
| River | 140 | North | Provision of Garland drain & settling tanks. |
| Natural drain | 75 | SW | Provision of Garland drain & settling tanks. |

After presentation the committee asked to submit following details:

- Revised surface map showing 15 m set back wrt pucca road & with three rows of Plantation towards road side.
- Revised Plantation scheme, remove species like Maharukh, Prosopis in Barrier zone and add local species in barrier zone, evacuation route and add species like Karanj, Kadam & Kachnar, in the village school as suggested by committee .

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 10,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.12.08 Lakh as capital and Rs. 02.40 Lakh/year.

3. As proposed, a minimum of 3156 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

| | FOR SOCIAL WELFARE | |
|----|--|-----------------|
| 1 | Construction of pucca Chabutra at Primary School Maneri Ryt (Size- 10' x 5') | 20,000 |
| 2 | Water Filter at Primary School Maneri Ryt- 1 Nos. | 20,000 |
| 3 | Providing 25 benches and 10 chairs in Primary School Maneri Ryt | 30,000 |
| 4 | Providing swings in primary school Maneri Ryt – 2NOS. | 25,000 |
| 5. | School Sign board and Print school name of boundry wall of Primary School Manery Ryt | 5,000 |
| | Total | 1,00,000 |

9. **Case No 8851/2021 Shri Sonu Kachhava S/o Shri Motilal Kachhava, 138, Shankarpur, Maksi Road, Near MPAB, Dist. Ujjain, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (21463 Cum per annum) (Khasra No. 307), Village - Gunai Khalsa, Tehsil - Ujjain, Dist. Ujjain (MP) Env. Consultant Shri Arvind Singh, M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram and Shri G. K. Mishra**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 307), Village - Gunai Khalsa, Tehsil - Ujjain, Dist. Ujjain (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Arvind Singh, M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram and Shri G. K. Mishra on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 1429 dated 17/11/2021 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 13.0 hac., including this mine.

During presentation PP submits that Baseline monitoring of this project area is done and is being progress in the months of Octo. Nov. & Dec. 2021. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|-----------|--|
| Kachha Road | Crossing the lease | Eastern | 10 m setback either side of the road. |
| Kachha Road | 05 | Southern | 05 m setback in the Southern side of the lease . |
| Some Trees | Within lease | - | Tree inventory & management plan. |

Being it's a case Stone Quarry with total area of 13.0 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan and right to access to the local villagers w.r.t. kachha road (eastern side) and proposed prescribed appropriate set back/protection plan should be clearly addressed in EIA.
- Root stock/ tree inventory with management plan, height & girth details shall be provided in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.

10. Case No 8827/2021 M/s Shivshakti Construction, Gram - Bhainswar Kothi, Dist. Satna, MP - 485001 Prior Environment Clearance for Stone & Murrum Quarry in an area of 1.220 ha. (Murrum - 13230 Cum per annum, Stone - 37500 Cum per annum) (Khasra No. 320), Village - Chatimal, Tehsil - Shahpura, Dist. Dindori (MP) RQP Shri Balraj Singh Choudhary

This is case of Stone & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 320), Village - Chatimal, Tehsil - Shahpura, Dist. Dindori (MP) 1.220 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Shri Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 501 dated 18/11/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP further stated that this lease was obtained under temporary permit (TP). As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|------------|--|
| Pucca Road | 75 | South-East | Protection plan with three rows of Plantation towards road side. |
| Road | 85 | North | Protection plan with three rows of Plantation towards road side. |
| Canal | 90 | NE | Provision of Garland drain & settling tanks. |
| Silgi River | 800 | East | Provision of Garland drain & settling tanks. |
| Natural Drain | 380 | East | Provision of Garland drain & settling tanks. |

After presentation the committee asked to submit following details:

- PP's commitment that Plantation within barrier zone and evacuation rout and in the village school shall be carried out within 01 year.

- Revised plantation scheme & species with incorporating locally available species as suggested by committee.
- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.
- Revised CER- Propose proposal of middle school student's visit to nearby Fossil National Park for awareness as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found 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 Murrum – 13,230 Cum per annum, Stone – 37,500 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.6.45 Lakh as capital and Rs. 01.76 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

| Name of Work | Amount |
|--|-----------------|
| Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam, Kachnar will be planted in school premises with Tree Guard and Name plate of species. | Rs. 10,000/- |
| Oral Hygeine Awareness camp at Village School Chatimal. | Rs. 10,000/- |
| Visit of Middle school students to nearby forest area or working mine site for awareness. | Rs. 10,000/- |
| Total | 30,000/- |

11. Case No 8831/2021 Shri Uttam Kumar Sahu S/o Shri Mahesh Sahu, Ward No. 4, Bajag, Dist. Dindori, MP - 481882 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (12000 Cum per annum) (Khasra No. 641), Village - Amadongri, Tehsil - Bajag, Dist. Dindori (MP) RQP Shri Balraj Singh Choudhary

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 641), Village - Amadongri, Tehsil - Bajag, Dist. Dindori (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 503 dated 18/11/2021 has reported that there are one more mines operating or proposed within 500 meters around the said mine with total area of 2.81ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|-------------|--|
| Human settlement | 270 | North | Protection plan and three rows of plantation. |
| Kachha Road | 12 | Eastern | Three rows of Plantation towards road side. |
| Pucca Road | 250 | North -East | Protection plan with three rows of Plantation towards road side. |

For kachha road on the eastern side PP submitted that this road is constructed by PP for approaching site and is not used by the villagers. After presentation the committee asked to submit following details:

- PP's commitment that Plantation within barrier zone and evacuation rout and in the village school shall be carried out within 01 year.
- Revised plantation scheme & species with incorporating locally available species as suggested by committee.

- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.
- Revised CER- Propose additional proposal of oral hygiene in the local village as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 12,000 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.3.89 Lakh as capital and Rs. 01.70 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

| Name of Work | Amount |
|--|-----------------|
| Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam, Kachnar will be planted in school premises with Tree Guard and Name plate of species. | Rs. 10,000/- |
| Providing Fiber made Swings at Village Middle School & Amadongri. | Rs. 15,000/- |
| Total | 25,000/- |

12. Case No 8838/2021 Smt. Usha Thakur, Kanaisaangawa, Dist. Dindori, MP - 481882 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (5016 Cum per annum) (Khasra No. 27/2), Village - Khamhi Ryt, Tehsil - Dindori, Dist. Dindori (MP) RQP Shri Balraj Singh Choudhary

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 27/2), Village - Khamhi Ryt, Tehsil - Dindori,

Dist. Dindori (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 499 dated 18/11/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. In the DFO, letter vide no 5114 dated 27/11/2020 forest area is at a distance <250 meters from the lease boundary for which PP has obtained approval from Divisional Commissioner Level Forest Committee in their meeting dated 28.11.2020 with following conditions:

- Fencing towards the forest boundary & Munare of cement concrete will be constructed all around the lease area.

As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|-----------|--|
| Pucca road | 50 | SE | Protection plan and three rows of plantation . |
| River | 480 | East | Provision of Garland drain & settling tanks. |
| Some trees | Within lease area | - | Tree management Plan |

After presentation the committee asked to submit following details:

- Revised surface plan showing tree occupied area as non- mining area.
- PP's commitment that Plantation within non- mining area, barrier zone and evacuation rout and in the village school shall be carried out within 01 year.
- Revised plantation scheme & species with incorporating locally available species as suggested by committee.
- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.

- Revised CER- Propose Whitewash & Painting of Village Primary School Building as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 5,016 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.3.37 Lakh as capital and Rs. 01.73 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

| Name of Work | Amount |
|--|-----------------|
| Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam, Kachnar will be planted in school premises with Tree Guard and Name plate of species. | Rs. 10,000/- |
| Whitewash & Painting of Village Primary School Building Khamhi Ryt. | Rs. 15,000/- |
| Total | 25,000/- |

13. **Case No 8848/2021 M/s Shubhi Devcon Pvt. Ltd, Firm, 65, Kandilpura, Dist. Indore, MP - 453115 Prior Environment Clearance for Stone Quarry in an area of 2.30 ha. (Stone - 25650 Cum per annum, Murrum - 6840 Cum per annum) (Khasra No. 51/1/1/2, 52/1, 53/1, 53/2, 54/3), Village - Dhureri, Tehsil - Depalpur, Dist. Indore (MP) RQP Shri Balraj Singh Choudhary**

This is case of Stone & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 51/1/1/2, 52/1, 53/1, 53/2, 54/3), Village - Dhureri, Tehsil - Depalpur, Dist. Indore (MP) 2.30 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2404 dated 29/10/2021 has reported that there are one more mines operating or proposed within 500 meters around the said mine with total area of 4.08 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|------------|--|
| Kachha Road | 15 | West | Protection plan with three rows of Plantation towards road side. |
| Human settlement | 450 | South-West | Protection plan & three rows of plantation . |

It was also observed that in the north side of the lease another mine is seen within 500 m for which PP has submitted that this lease is not in operation since year 2018 and other mines are > 500 meters away. After presentation the committee asked to submit following details:

- PP's commitment that Plantation in the barrier zone evacuation route and in the village school shall be carried out within 02 year.
- Revised plantation scheme & species with incorporating locally available species as suggested by committee.
- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.
- Revised CER- Propose additional proposal of oral hygiene in the local village as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone - 25650 Cum per annum, Murrum - 6840 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.05.72 Lakh as capital and Rs. 03.10 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

| Name of Work | Amount |
|--|--------------|
| Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam, Kachnar will be planted in school premises with Tree Guard and Name plate of species. | Rs. 10,000/- |
| Providing Flyer Swings to Village Middle School Jhalariya | Rs. 25,000/- |
| Total | 30,000/- |

14. Case No 8770/2021 M/s Kiara Infra, Shri Anees Khan, Partner, House no. 517, E-7, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (11760 Cum per annum) (Khasra No. 03), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) RQP Swati Namdeo

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 03), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the SEAC 529th meeting dated 24.11.2021. During presentation PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2753 dated 16/9/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 21.37

ha., including this mine. It was observed by committee that this is case of B-1 category as it was observed by Committee that as per mentioned Collector Office (Ekle Praman-patra) letter has reported that there are 07 more homogeneous mines are operating or proposed within 500 meters with total area of 20.37. Further, during presentation PP submitted this is case of Murrum other mines existing within 500 m are crusher stone and crusher stone & Murrum are not homogeneous so consider their case under B-2 category. Committee after discussion and deliberation recommends that in this context PP shall submit M.O. clarification then for further appraisal of this case. The case was scheduled in this meeting for presentation PP submitted vide letter office of the Collector (Mining Deptt.) Distt. Bhopal vide no. 3270 dated 01.12.2021 has reported Murrum & stone are not homogeneous. PP further submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. Around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|-----------|---|
| Kachha Road | Within lease | West | Either side 10 m set back and provide right to access to the villagers. |
| Kachha Road | 13 | South | Protection plan with three rows of Plantation towards road side. |
| Isolated houses | 345 | SW | Three rows of plantation. |
| Natural Drain | 233 | SE | Provision of Garland drain & settling tanks. |

After presentation the committee asked to submit following details:

- Revised surface map showing set back of 10 m both side and PP's commitment to provide right to access to the villagers.
- Revised plantation scheme & species, remove species like Subabool, Khair & Kathal and add species like Putranjiva, Maulshri etc. with incorporating locally available species as suggested by committee.
- Revised CER- Propose additional budget for mask distribution with nos. in the local village school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 14.12.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found 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 Murrum – 11,760 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.6.86 Lakh as capital and Rs. 01.13 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

| | FOR SOCIAL WELFARE: | AMOUNT TO BE SPENT |
|--------------------------------|--|--------------------|
| Village- Barkheda Bondar | 1. Installing Main Entrance Gate + painting display board & Repair work in Govt. High school situated at Village Barkheda Bondar . | (0.45 lakh) |
| | 2. Distribution of 500 Nos. of masks & sanitizers in Village – Barkheda Bondar . | (0.05 lakh) |
| | Total | (0.50 lakh) |

15. Case No 8773/2021 M/s Pankaj Minerals, Shri Pankaj Kothari, Partner, House No. 517, E-7, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (6330 Cum per annum) (Khasra No. 02), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 02), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP The case was presented by RQP Swati Namdeo on behalf of PP in the SEAC 529th meeting dated 24.11.2021.. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2753

dated 13/9/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 21.37 ha., including this mine.

Further, during presentation PP submitted this is case of Murrum other mines existing within 500 m are crusher stone and crusher stone & Murrum are not homogeneous so consider their case under B-2 category. Committee after discussion and deliberation recommends that in this context PP shall submit M.O. clarification then for further appraisal of this case. PP submitted vide letter office of the Collector (Mining Deptt.) Distt. Bhopal vide no. 3268 dated 01.12.2021 has reported Murrum & stone are not homogeneous. PP further submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. Around 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|-----------|---|
| Some structure | within lease | - | Photographs and confirmation from competent authority. |
| Kachha Road | 06 | West | 04 m set back three rows of Plantation towards road side. |
| Kachha Road | 100 | South | Three rows of Plantation towards road side. |
| Human settlement | 500 | S-West | Three rows of plantation. |
| N. Drain | 355 | SE | - |

After presentation the committee asked to submit following details:

- Some structure is existing within lease PP shall submit Photographs and confirmation from Gram panchayat or competent authority.
- Revised plantation scheme & species, remove species like Subabool, Khair & Kathal and add species like Putranjiva, Maulshri etc. with incorporating locally available species as suggested by committee.
- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fodder and fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.
- Revised CER- Propose additional budget for mask distribution with nos. in the local village school as suggested by committee during presentation.

Discussion on Query Reply submitted by PP

16. Case No 8518/2021 Shri Mahesh Patidar S/o Shri Kailash Patidar, H.No. 06, Block Ekta, Chinar Fortune City, Hoshangabad Road, Dist. Bhopal, MP - 462047 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (3325 cum per annum) (Khasra No. 151, 152), Village - Rajeev Nagar, Tehsil - Huzur, Dist. Bhopal (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 151, 152), Village - Rajeev Nagar, Tehsil - Huzur, Dist. Bhopal (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. 1162 dated 22/3/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings. Since the tenure of SEAC will be over on 09th April, 2021 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. PP vide letter dtd 02/7/21 received in SEIAA office on 2/7/21 requested 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.

The case was presented by RQP Swati Namdeo on behalf of PP in the 507th SEAC meeting dated 10-08-21. During presentation it was observed by the committee that in an area of 4.00 ha sanctioned volume of Stone is only 3325 cum/year. PP further submitted that to carryout mining approx. 05 meters of OB is to be removed and stacked inside the lease as PP has not permission for its disposal. PP submitted that this

OB will be used for maintainenec of haul road. Committee observed that this proposal is technically not feasible because removal of approx. 05 meters OB and its stacking within the lease will involve financial cost and thus proposal becomes techno-financially not suitable considering the proposed cost of EMP (approx. 17.00 lakhs). PP submitted that initially PP intends to get EC for this volume but later on may apply for expansion. Committee after deliberations decided that PP may submit revised EMP and OB management plan so that project becomes techno-financially acceptable. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. such as 13.1, 14.6, 16, 17, 35(04), 35(16) details are wrongly mentioned, please revise.
2. Revised EMP and OB management plan so that project becomes techno-financially acceptable.
3. Commitment that generated OB will not be disposed off through sale.
4. Under CER scheme with physical targets:
 - ✓ Proposal for CER activates should preferably be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing (if public hearing is conducted)
 - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
 - ✓ PP's commitment that activities proposed in the CER and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
5. Under Plantation Scheme with budgetary allocations:
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Forest Range officer / Gram Panchayat / Forest

Department / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.

- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle or any other competent agencies.
- ✓ Commitment that local palatable perennial grass species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose or through Gram Panchayat on suitable community land in the concerned village area.

PP has submitted the response of above quarries same date vide letter dated 23/09/2021, 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 after deliberation found that The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

1. Production shall be as per mine plan with quantity not exceeding for Stone 3325 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.88 Lakh as capital and Rs. 01.16 Lakh/year.
3. As proposed, a minimum of 4800 trees shall be planted within one year in the barrier zone, evacuation road and village as per the submitted plantation scheme.

The case was discussed in 679th SEIAA meeting dated 13/7/2021 and it has been recorded that.... “This case was discussed in 675th SEIAA meeting dated 08/04/2021 and it was recorded that. This case was recommended in 498th SEAC meeting dtd. 06/4/2021 and it was recorded that.

“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. Since the tenure of SEAC will be over on 09th April, 2021 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.

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

PP vide letter dtd. 02/07/2021 received in SEIAA office on 02/7/2021 requested 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.

In view of above decision, the case is hereby relisted. The technical file is being sent for appraisal and you are requested to take the considered view on it.

Case sent back to SEAC for site visit in 690 SEIAA meeting dated 22-10-2021. Letter no. 2432-33/SEIAA/21 dated 08- 11-21 alongwith technical file to SEAC for re-appraisal the case. It was recorded that

“after detailed discussion, it was observed by the committee that an area of 4.0 ha, the sanctioned volume of stone is only 3325 cum/year and it was further submitted by PP that to carry out mining approx. 5m of overburden is to be removed and stack inside the lease area. As PP has no permission for disposal .In the light of above, it was decided that the proposal doesn't appear to be technically feasible, hence the case is hereby send back to SEAC to carry out site visit in consultation with MO & re-appraisal”.

The case was scheduled for the presentation in 529th date 24/11/21 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.

In context to above issues raised by SEIAA the case was scheduled for the presentation but wherein PP submitted wrt issue as *“an area of 4.0 ha, the sanctioned volume of stone is only 3325 cum/year approx. 5m of overburden is to be removed and stack inside the lease area”*

PP submitted following points as :

The waste material comprises of (Murrum+Weathered Stone) & 5% physical rejects during the sizing of Stone (Gitty). The estimated quantity of waste and rejects are as follows:-

| Year | Murum (In Cubic Meter) | Weathered (In Cubic Meter) | 5%Waste /Reject (In Cubic Meter) |
|------------|--------------------------------|--------------------------------|-------------------------------------|
| (1st year) | 2334 (1167Sq.m × 2m Depth) | 3501 (1167Sq.m × 3m Depth) | 175 |
| (2nd year) | 2334 (1167Sq.m × 2m Depth) | 3501 (1167Sq.m × 3m Depth) | 175 |
| (3rd year) | 2334 (1167Sq.m × 2m Depth) | 3501 (1167Sq.m × 3m Depth) | 175 |
| (4th year) | 2334 (1167Sq.m × 2m Depth) | 3501 (1167Sq.m × 3m Depth) | 175 |
| (5th year) | 2334 (1167Sq.m × 2m Depth) | 3501 (1167Sq.m × 3m Depth) | 175 |
| Total | 11670 | 17505 | 875 |

• **OVERBURDEN & WASTE MANAGEMENT PLAN-**

Total OB generated/Year= **Murum + Weathered stone** = $2334 \text{ M}^3 + 3501 \text{ M}^3 = 5835 \text{ M}^3$

And 175 M^3 /Year of 5% Waste. = $5835 \text{ M}^3 + 175 \text{ M}^3 = 6010 \text{ M}^3$

• **For maintenance of Approach Road**

Length of Road= 1 Km

Width of Road=6 m

Depth of Road= 0.5 m

• Requirement of OB to Maintain the Approach Road =

• Length X Width X Height of Road = $1000\text{M} \times 6\text{M} \times 0.5\text{M} = 3000 \text{ M}^3$

• **For maintenance of Approach Road from village to school.**

Length of Road= 1 Km

Width of Road=6 m

Depth of Road= 0.5 m

• Requirement of OB to Maintain the Approach Road

= Length X Width X Height of Road = $1000\text{M} \times 6\text{M} \times 0.5\text{M} = 3000 \text{ M}^3$

*Same OB management will be adopted for 5 years consecutively.

Remaining OB = $6010 - (3000 + 3000) = 10 \text{ M}^3$ which will be used in filling up low lying lands in the neighbouring area.

PP submitted the OB shall be used for maintenance of approach road, maintenance of Approach Road from village to school and will be used for filling of low lying area. After presentation committee asked PP submit revised EMP mentioning budget for maintenance of approach road from village to school and for lease area to connecting transportation road.

17. Case No 8650/2021 Shri Sunil Kumar Singh S/o Shri Rampal Singh, Village - Pachkhora, Post - Waidhan, Dist. Singrauli, MP Prior Environment Clearance for Stone Quarry in an area of 1.680 ha. (27094 cum per annum) (Khasra No. 1169/1, 1180, 1186, 1187), Village - Makrohar, Tehsil - Mada, Dist. Singrauli (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1169/1, 1180, 1186, 1187), Village - Makrohar, Tehsil - Mada, Dist. Singrauli (MP) 1.680 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env Consultant Shri Sishupal Verma and Ms. Nikita Prajapati RQP on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 2963 dated 13/08/2021 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 11.29 ha., including this mine. Within 500 meters following sensitive features were observed of the lease area:

| Sensitive Features | Approximate aerial distance from the lease area in meters | Direction | Remarks |
|--------------------|---|----------------------|--|
| No. of Trees | within lease | Sparsely distributed | PP stated these are 24 in nos. and 09 are proposed for felling . |
| Pucca Road | 140 & 170 | South | Dense plantation shall be developed. |
| Human settlement | 100 140 | West South | Set back of 100 meters and 60 meters respectively and protection plan w.r.t. human settlement. |

During presentation the committee observed that within lease in the centre part (the area which will be available after leaving non mining area due to settlement) large number of trees is in existence. Even the entire lease area is green and occupied by quite a good number of well grown trees. PP submitted that there are 24 trees in the lease out of which 09 will be uprooted. Committee deliberated that even after leaving non mining

area approx 09 trees will be uprooted and considering above sensitivity case cannot be considered for grant of TOR/EC and case file may be sent to SEIAA for onward necessary action please.

SEIAA vide letter No. 2396 dated 02/11/21 sent back the file to SEAC for reappraisal on the request of PP and thus the case was scheduled in agenda.

The case was scheduled for the presentation in 526th date 11/11/21 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 for the presentation for re-appraisal as per SIEAA instruction wherein PP submitted that the tree occupied area within lease shall be dealt as non-mining area for which PP has left whole lease area shall be divided in 03 pockets. We committed that 100m from the road & habitation in western side will be declared as non-mining zone & from 100m to 200m in the same direction no blasting operation will be performed & mining will be carried out through rock breaker. Committee asked PP to submit mineable area and non- mining area on surface map.

PP vide their letter dated 14/12/2021 submitted revised surface map showing mineable area and non- mining area.

Being it's a case Stone Quarry with total area of 11.29 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.
- PP commitment and revised plan showing 100m from the road & habitation in western side will be declared as non-mining zone & from 100m to 200m in the same direction no blasting operation will be performed & mining will be carried out through rock breaker.

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

18. Case No 8768/2021 Smt. Meena Patel W/o Shri Kuldeep Patel, Plot No. B/18, Kasodhan Nagar, Madhotal, Opp. Society Garden, Dist. Jabalpur, MP - 482002 Amendment in Prior Environment Clearance for Murrum Quarry in an area of 2.20 ha. (11400 Cum per annum) (Khasra No. 184 Part), Village - Aithakhera, Tehsil - Jabalpur, Dist. Jabalpur (MP) (Prior EC was earlier issued by DEIAA Jabalpur vide letter no. 135 dated 08-11-2017 as Case No. 121/17. Shri Rakesh Choubey RQP.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 135P), Village - Nakwar, Tehsil - Hanumana, Dist. Rewa (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Rakesh Choubey RQP on behalf of PP in the 529th SEAC meeting dated 24-11-2021. During presentation PP stated that this is a case of “EC Amendment”, as mineral Murrum is to be written in place of stone, the earlier EC was issued by DEIAA. vide no. 135 dated 08.11.2017 at Khasra no. 184 for 2.20 ha. for Stone, capacity 11,400 sqm and plantation target as per EMP. PP submitted chronology of the project:

- The Aithakhera Stone Quarry Lease was granted to Smt. Meena Patel, W/o Shri Kuldeep Patel by state govt. vide letter no. 630/khanij/Q.L./2013-14 Jabalpur dated 23/04/2014 over 2.20 hect. Mining Plan was approved by DGM Jabalpur vide letter no. 1592/Khani/N.kr.-2013/2014 Jabalpur, dated 05/05/2014 covering

period upto 29/03/2020. DEIAA EC issued for excavation of stone on 08/11/2017. Granted area had meager presence of metal stone & abundance of Murrom observed by QL holder thereby lessee made an application for change of mineral in the QL area for which she made application on 01/07/2020 as a result Collector Jabalpur issued LOI for Murom vide letter no. 1164/Khanij/29 QL/2014 Jabalpur dated 09/07/2020. Mining plan for murrum approved by DGM Jabalpur vide letter no 2249/Khanij/nk1425/2020 Dated 21/09/2020, after compilation of all documents application for amendment has been made in SEIAA.

Further, It was observed that as per MO vide letter dated 2323 dated 28.07.2021 stated that no mining is done since last 02 years. Previous lease was sanctioned for stone, however PP got the mineral amendment through competent authority and sanctioned issued vide no. 1164 dtd. 09.07.2021. Revised Mining Plan for Murrum is also approved vide letter 2249 dtd. 21.09.2021 for maximum production of 11,400 cum/year. After presentation PP was asked to submit MO certificate stating details of mines sanctioned/operating within 500 meters of this mine for further consideration of this case with status of compliance of plantation and CER activities wrt to target and achievements.

PP vide their letter dated 07/12/2021 submitted query reply. PP has submitted revised plantation scheme and proposals/ commitments of raised issues in the SEAC meeting as suggested by the committee. 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 approved mine plan with quantity not exceeding for Stone 56,231 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.19 Lakh as capital and Rs. 3.15 Lakh/year as recurring has proposed by PP.
3. As proposed, a minimum of 2100 trees shall be planted as per the submitted plantation scheme.
4. Under CER PP has proposed Rs. 1.50 lakh /year activities were submitted by PP:

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any

commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

(A. A. Mishra)
Member Secretary

(Dr. Praveen Chandra Dubey)
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. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
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. Arrangements for overhead sprinklers with solar pumps / water tankers 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 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
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. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
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. 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.
24. 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.
25. 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, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs 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. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
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.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. 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 should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life 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. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

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. Arrangements for overhead sprinklers with solar pumps / water tankers 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 with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. 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.
17. 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. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. 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".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
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.
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
 - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
 - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
 - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
 - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
 - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
 - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
 - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
 - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. 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 should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life 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. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and

- fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
 35. Adequate provisions of water for irrigating plantation shall be made by PP.
 36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

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. Arrangements for overhead sprinklers with solar pumps / water tankers 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.
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, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, 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. 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.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme.
30. 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 should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life 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. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
31. 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 should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life 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. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
33. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on

“Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.

34. Adequate provisions of water for irrigating plantation shall be made by PP.
35. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

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 analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, 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 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" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
 - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
 - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
 - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
 - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO

- concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
- ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
- ✓ Adequate provisions of water for irrigating plantation shall be made by PP.

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.

35. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
36. Detailed analysis of availability and quality of the drinking water resources available in the block.
37. 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.
38. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.

