

The 504<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 23<sup>rd</sup> July, 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. (Dr.) Alok Mittal, Member
5. Dr. Jai Prakash Shukla, Member.
6. Dr. Ravi Bihari Srivastava, Member.
7. 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 6948/2020 Ku. Meenal Solanki D/o Shree Hirendra Singh, R/o 97, Ward No. 7, Bada Rawla, Tehsil - Alote, Dist. Ratlam, MP Prior Environment Clearance for Stone Quarry and Sealable Murrum in an area of 2.0 ha. (Stone - 3395 cum per annum, Sealable Murrum - 1750 cum per annum) (Khasra No. 4), Village - Khamariya, Tehsil –Alote, Dist. Ratlam (MP). EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry and Sealable Murrum. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4), Village - Khamariya, Tehsil - Alote, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 3095 dated: 28/3/2019 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 13.620 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 433<sup>rd</sup> SEAC dated 19/05/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 6/7/21 which was forwarded through SEIAA vide letter no. 1402 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee. During presentation, PP submitted that there are 06 more mines operating or proposed within 500 meters radius around this mine with total area of 16.0 ha., hence, EIA and public hearing is conducted after obtaining TOR. It was observed that as per Google image based on coordinates provided by PP, that a seasonal surface runoff drain is in existence at a distance of approx. 20m in the southeast side and a pucca road in the west side at a distance of approx. 400 m in the west side of the lease. PP submitted that garland drain and settling tank are proposed and only settled water will be allowed to drain out of lease. PP further submitted that total 2400 no. of trees of native species is proposed in the plantation scheme. Committee observed that a concern is raised in public hearing for nearby Navodaya School regarding pollution from mining activities for which PP was asked to submit detailed plan and committee suggested that dense plantation shall be developed along the boundary of the school to protect from dust (preferably using “Miyawaki Technique”). Committee further suggested that proposed plantation shall be completed in the initial three years of mining operations. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. In point no. 07.1 “why complete details of public hearing are not uploaded on the web site”, please justify.
2. In point no. 13.1 details are wrongly mentioned, please revise.
3. In point no. 16- When manpower (permanent/temporary) is proposed in point no. 31, then how the waste water volume will be “Zero”.
4. In point no. 17- please provide relevant information for solid waste generation/management.
5. In point no. 19- No power supply, please justify the statement.
6. In point no. 32- why detailed green belt plan is not attached.
7. In point no. 35 (10) -18 million cubic meters top soil mentioned, please justify.
8. Properly address following issues raised during public hearing with plan/proposal:
  - Provision of Silent Blasting.
  - Issue rose for Navodaya School regarding pollution from mining activities.
  - Tree plantation at public places and in school premises with adequate protection measures.

- Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
  - Provision of water sprinkling for dust suppression.
  - Provision of Curtain wall for dust suppression.
9. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
  10. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER.
  11. Soil profile analysis of the lease area.
  12. PP shall submit proposed evacuation plan.
  13. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
  14. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
  15. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
  16. 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.
  17. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**2. Case No 7946/2020 Shri Malkhan Singh S/o Shri Sangram Singh, R/o Gambhir Road, Khedipura, Tehsil - Khirkiya, Dist. Harda, MP - 461441 Prior Environment Clearance for Stone Quarry in an area of 3.0 ha. (22,148 cum per annum) (Khasra No. 509), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP). EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 509), Village - Choukadi, Tehsil - Khirkiya,

Dist. Harda (MP) 3.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1121 dated: 06/10/2020 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 13.997 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469<sup>th</sup> SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 6/7/21 which was forwarded through SEIAA vide letter no. 1392 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee. During presentation, PP submitted that there are 04 more mines operating or proposed within 500 meters radius around this mine with total area of 13.997 ha. Hence, EIA and public hearing is conducted after obtaining TOR. It was further observed that as per Google image based on coordinates provided by PP that a habitation located at >500 meter distance in the south-west direction of the lease. As per Google image it was also observed by committee that in the QL area agriculture practice were in progress and thus PP was asked to submit soil profile analysis of the lease area. Committee instructed PP that as main issues rose during public hearing such as blasting issue, dust pollution, mine water discharge, improper road etc shall be addressed properly. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. In point no. 07.1 "why complete minutes of public hearing are not uploaded on the web site", please justify.
2. In point no. 13.1 details are wrongly mentioned, please revise.
3. In point no. 16- When manpower (permanent/temporary) is proposed in point no. 31, then how the waste water volume will be "Zero".
4. In point no. 17- please provide relevant information for solid waste generation/management.
5. In point no. 35 (9 & 10) – 45,000 million cubic meters OB & top soil mentioned, please justify.
6. Properly address following issues raised during public hearing with plan/proposal:

- Blasting issue with PPV study.
  - Proposal for tree plantation at public places and nearby school.
  - Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
  - Provision of water sprinkling for dust suppression.
  - Provision of Curtain wall for dust suppression.
  - Mine water discharge and poor road conditions.
7. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
  8. Patwari's report about the agricultural practices being carried out on this lease area during last 05 years.
  9. Proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to mine workers under CER.
  10. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
  11. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
  12. Commitment that dense plantation/ Wood Lot shall be developed (preferably using "Miyawaki Technique") in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
  13. 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.
  14. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**3. Case No 7945/2020 Shri Dilip Koushal S/o Shri Lekhram Koushal, Ward No. 5, Gomukh Road, Khirkiya, Dist. Harda, MP - 461331 Prior Environment Clearance for Stone Quarry in an area of 1.558 ha. (11878 cum per annum) (Khasra No. 555/3), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP).EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 555/3), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 1.558 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 130 dated: 23/5/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.102 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469<sup>th</sup> SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 6/7/21 which was forwarded through SEIAA vide letter no. 1398 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee. During presentation, PP submitted this is a green field project and there are 05 more mines operating or proposed within 500 meters radius around this mine with total area of 18.102 ha., hence EIA and public hearing is conducted after obtaining TOR. PP submitted that mining will be done by opencast semi-mechanized method with control drilling and controlled blasting using sand bags. Top soil will be scrapped & stacked for the subsequent plantation during the mining plan period. OB and waste generated of the total production, and will be used as road building materials. Blasting shall be only be carried out as per the approved mine plan. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. 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. 07.1 "why complete minutes of public hearing are not uploaded on the web site", please justify.
2. In point no. 13.1 details are wrongly mentioned, please revise.

3. In point no. 17- please provide relevant information for top soil generation/management.
4. In point no. 35 (9 & 10) – 6900 million cubic meters OB & 0.00 million cubic meters top soil mentioned, please justify.
5. Properly address following issues raised during public hearing with plan/proposal:
  - Proposal for tree plantation at public places and nearby school.
  - Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
  - Provision of water sprinkling for dust suppression.
  - Provision of Curtain wall for dust suppression.
  - Mine water discharge and poor road conditions.
6. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
7. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER.
8. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
9. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
10. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
11. 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.
12. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**4. Case No 7944/2020 Shri Dilip Koushal S/o Shri Lekhram Koushal, Ward No. 5, Gomukh Road, Khirkiya, Dist. Harda Prior Environment Clearance for Stone Quarry in an area of 1.547 ha. (11878 cum per annum) (Khasra No. 555/1), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP).EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 555/1), Village - Choukadi, Tehsil - Khirkiya, Dist. Harda (MP) 1.547 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 129 dated: 23/5/2020 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.097 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469<sup>th</sup> SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06/7/21 which was forwarded through SEIAA vide letter no. 1400 dated 12/07/21 and the same was scheduled in the agenda.

PP and their consultant presented the EIA before the committee. During presentation, PP submitted this is a green field project and there are 05 more mines operating or proposed within 500 meters radius around this mine with total area of 18.097 ha. hence, EIA and public hearing is conducted after obtaining TOR. PP submitted that mining will be done by opencast semi-mechanized method with control drilling and controlled blasting using sand bags. Top soil will be scrapped & stacked for the subsequent plantation during the mining plan period. OB and waste generated of the total production, and will be used as road building materials. Blasting shall be only be carried out as per the approved mine plan. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP and are not in line with the details provided in the EIA report. 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. 07.1 "why complete minutes of public hearing are not uploaded on the web site", please justify.



2. In point no. 13.1 details are wrongly mentioned, please revise.
3. In point no. 17- please provide relevant information for top soil generation/management.
4. In point no. 35 (9 & 10) – 9348 million cubic meters OB & 1380 top soil mentioned, please justify.
5. Properly address following issues raised during public hearing with plan/proposal:
  - Tree plantation at public places and in school premises with adequate protection measures.
  - Proposal for fruit/fodder bearing tree saplings (such as Jackfruit, Custard apple, Mango, Guava, Munga, Orange etc) distribution in adjoining villages.
  - Provision of water sprinkling for dust suppression.
  - Provision of Curtain wall for dust suppression.
  - Mine water discharge and poor road conditions.
6. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO.
7. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER.
8. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them.
9. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land.
10. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal).
11. 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.
12. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**5. Case No 7947/2020 Shri Naval Singh Baghel S/o Shri Lalta Prasad Baghel, Village - Hiwala, Post - Mandla, Tehsil - Khirkiya, Dist. Harda, MP – 461441 Prior Environment Clearance for Stone Quarry in an area of 1.60 ha. (9938 cum per annum) (Khasra No. 3/1/KH), Village - Bamhangaon, Tehsil - Khirkiya, Dist. Harda (MP). EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 3/1/KH), Village - Bamhangaon, Tehsil - Khirkiya, Dist. Harda (MP) 1.60 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 8614 dated: 14/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 6.025 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 469<sup>th</sup> SEAC dated 17/12/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 6/7/21 which was forwarded through SEIAA vide letter no. 1390 dated 12/07/21 and the same was scheduled in the agenda. PP and their consultant presented the EIA before the committee. During presentation, PP submitted that there is 01 more mine operating or proposed within 500 meters radius around this mine with total area of 6.025 ha., hence EIA and public hearing is conducted after obtaining TOR. During appraisal it was observed that as per Google image based on coordinates provided by PP, that lease is in close vicinity to the habitation in the western side which is at about 70 m and approx 200 m in the south – east side. A Kachcha road is in the south – east side at about 08 meters and pucca road is also passing from SE and western side > 130 meters away. Committee observed that as per approved mine plan blasting is proposed thus committee after deliberation decided that in the light of NGT order in O.A. no. 304/2019 dated 21.07.2020 (if blasting is proposed minimum distance shall be 200 meters) this case cannot be considered for grant of EC being only 70 meters away from the habitations and as per approved mine plan blasting is proposed.

**6. Case No 8558/2021 Smt. Shobha Gupta, Dhar Road, Manawar, Dist. Dhar, MP - 454446 Prior Environment Clearance for Limestone Mine in an area of 4.90 ha. (25000 Tonne per annum) (Khasra No. 5/1/1/1/1/1), Village - Sitapuri, Tehsil - Manawar, Dist. Dhar (MP).EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Limestone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 5/1/1/1/1/1), Village - Sitapuri, Tehsil - Manawar, Dist. Dhar (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled in the in 502<sup>nd</sup> SEAC meeting dated 06/07/21 for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. During presentation it was observed that as per Google image based on coordinates provided by PP, that a pucca road is in existence at a distance of 60 m in the western side along with a River is also flowing in the same side at a distance of less than 200 m. It was further observed that a Water Reservoir/Dam is also exists at a distance of approx 40 m on southeast side. Committee after presentation recommends that being it's a case of major mineral standard TOR prescribed by the MoEF&CC for conducting the EIA shall be issued as per general conditions laid down in Annexure-D and along with following additional TOR's:-

1. Protection plan w.r.t. pucca road at a distance of 60 m in the western side and water reservoir/dam at approx. 40 m in the EIA report.
2. NOC from competent authority (such as WRD) shall be obtained as blasting is proposed w.r.t. to stop dam.
3. Impact due to blasting on water reservoir/dam shall be studied and discussed in the EIA report.
4. Protection plan for water reservoir/dam shall be discussed in the EIA report considering FTL.
5. Inventory of all existing trees shall be provided in the EIA report and if any tree is to be uprooted, then it should be clearly addressed in EIA.
6. On the western side of the lease numbers of pit like structures seen either for plantation or for holding of water. Details of these structures with justification of Gram Panchayat shall be provided in EIA report.

7. The project proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
8. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO shall be submitted with EIA report.
9. Proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to mine workers under CER shall be considered and discussed in the EIA report.
10. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them , shall be submitted with EIA report.
11. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land shall be submitted with EIA report.
12. Commitment that dense plantation/ Wood Lot shall be developed (preferably using "Miyawaki Technique") in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal) shall be submitted with EIA report.
13. 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.
14. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**7. Case No 8565/2021 Shri Aman Kumar, 41, Chikasi, Dist. Hamirpur, UP Prior Environment Clearance for Stone Quarry in an area of 1.781 ha. (30000 cum per annum) (Khasra No. 491), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP).EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 491), Village - Lausi, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 1.781 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant. 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 MO letter NIL dated NIL has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 16.828ha., including this mine.

During presentation it was observed that 06 to 08 trees are existed within lease area PP submitted that trees which are falling on the barrier zone shall be kept intact and plan will be submitted along with EIA report. Being it's a case of cluster of more than 5.0 ha. area thus, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Inventory of all existing trees with their girth details and species and if any tree is to be uprooted, then it should be clearly addressed in EIA.
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. Soil profile study shall be conducted.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. 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".
6. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO shall be submitted with EIA report.
7. Proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to mine workers under CER shall be considered and discussed in the EIA report.
8. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them , shall be submitted with EIA report.

9. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land shall be submitted with EIA report.
10. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation shall be submitted with EIA report with the concern CCF (R&E Circle Bhopal).
11. 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.
12. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**8. Case No 8570/2021 Shri Kedar Singh Yadav S/o Shri Bheemkam Singh Yadav, Ward No. 05, Veerendra Oil Mill, Mai Road, Jaura, Dist. Morena, MP - 476221 Prior Environment Clearance for Stone Quarry in an area of 1.470 ha. (32000 cum per annum) (Khasra No. 2203, 2208), Village - Bilhati, Tehsil - Morar, Dist. Gwalior (MP).EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2203, 2208), Village - Bilhati, Tehsil - Morar, Dist. Gwalior (MP) 1.470 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant. 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 MO letter QL22 dated 01/4/2021 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 9.243ha., including this mine.

During presentation it was observed by the committee that the As per Google image based on coordinates provided by PP, a pucca road at a distance of >350 m in the NE side and a Kachcha road is existed at a distance of 10 m in the south side. Committee after deliberation decided that being it’s a case Stone Quarry with total area of 9.243 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:-

1. Protection plan w.r.t. Kachcha road which is in existence at a distance of approx. 10 m in the south side also and as per Office of the Tehsildar Murar letter (dated 30.09.2020) a school is at 500 m from the lease.
2. Considering green area in and around the proposed lease cattle population grazing over that area in a radius of 02.00 km shall also be studied and reported in EIA.
3. Tehsildar/Patwari report w.r.t. Crop yield taken from last 05 years in the allotted lease.
4. Soil profile study shall be conducted and submitted with EIA report.
5. Transportation plan & traffic management plan should be discussed in the EIA report.
6. The project proponent shall discuss the mitigation measures provided in MoEF&CC 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.
7. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO shall be submitted with EIA report.
8. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER shall be considered and discussed in the EIA report.
9. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them , shall be submitted with EIA report.
10. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land shall be submitted with EIA report.

11. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal) shall be submitted with EIA report.
12. 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.
13. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**9. Case No 8571/2021 Shri Mohammad Sameer Khan, House No. 15, Gali No. 1, Aish Bagh, Barkhedi, Dist. Bhopal, MP Prior Environment Clearance for Kopra/ Murrum Quarry in an area of 1.90 ha. (19,009.50 cum per annum) (Khasra No. 93/1/2/1), Village - Manikhedi Kot, Tehsil - Huzur, Dist. Bhopal (MP).EIA Consultant: M/s. Aseries Envirotech India Pvt. Ltd. Noida U.P.**

This is case of Kopra/ Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 93/1/2/1), Village - Manikhedi Kot, Tehsil - Huzur, Dist. Bhopal (MP) 1.90 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant. 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 MO (Ekal Praman-patra) letter 3746 dated 21/9/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 5.90ha., including this mine.

During presentation it was observed by the committee that the as per Google image based on coordinates provided by PP a kachha road is passing through the lease for which PP submitted that right of access will be provided through 7.5 meters barrier zone which is safe as no blasting is proposed in this case being mining of Murrum. PP further submitted that area occupied by the trees on the northern side will be left as non mining area. Committee after deliberation decided that being it’s a case Kopra/ Murrum Quarry with total area of 5.90 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:-

1. Inventory of all existing trees with their girth details and species and if any tree is to be uprooted, then it should be clearly addressed in EIA.
2. Contour trenches shall be proposed as non mining area and this area shall be developed as wood log and proposal shall be discussed in the EIA report.
3. Commitment of PP that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique” with the concern CCF (R&E Circle Bhopal) in 7.5m barrier zone left for plantation and area left as non mining area on the northern side shall be submitted with EIA report.
4. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
5. The project proponent shall discuss the mitigation measures provided in MoEF&CC 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.
6. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER shall be considered and discussed in the EIA report.
7. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them , shall be submitted with EIA report.
8. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land shall be submitted with EIA report.
9. 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.
10. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**10. Case No 8567/2021 Shri Surendra Singh Parmar, New Aaampura, Dist. Morena, MP Prior Environment Clearance for Stone Quarry in an area of 1.612 ha. (50000 cum per annum) (Khasra No. 2186, 2187, 2198, 2199), Village - Bilheti, Tehsil - Morar, Dist. Gwalior (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2186, 2187, 2198, 2199), Village - Bilheti, Tehsil - Morar, Dist. Gwalior (MP) 1.612 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant. 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 MO letter QL21 dated 01/4/2021 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 9.385ha., including this mine.

During presentation it was observed by the committee that Office of the Tehsil Murar letter vide dated 30.09.2020 mentioned that a school is proposed at a distance of 400 m. As per Google image based on coordinates provided by PP it was observed that a pucca road is in existence at a distance of >190 m in the NE side and a pucca road is existed at a distance of >250 m in the south side. Committee after deliberation decided that being it's a case Stone Quarry with total area of 9.385ha., 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:-

1. Protection plan for school (as per Office of the Tehsildar Murar letter (dated 30.09.2020- a school is at 500 m from the lease) shall be discussed in the EIA report.
2. Considering green area in and around the proposed lease cattle population grazing over that area in a radius of 02.00 km shall also be studied and reported in EIA.
3. Tehsildar/Patwari report w.r.t. Crop yield taken from last 05 years in the allotted lease.
4. Soil profile study shall be conducted and submitted with EIA report.

5. Transportation plan & traffic management plan should be discussed in the EIA report.
6. The project proponent shall discuss the mitigation measures provided in MoEF&CC 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.
7. Proposal for plantation in adjoining forest land through concerned DFO forest and commitment that commensurate budget will be transferred to for plantation to DFO shall be submitted with EIA report.
8. Proposal for providing solar cookers / LPG gas cylinders under “Ujjwala Yojna” to mine workers under CER shall be considered and discussed in the EIA report.
9. Commitment that plantation shall be carried out through Govt. agency (such as Van Vikas Nigam/Van Samiti under monitoring and guidance of Range officer / Gram Panchayat / Forest Department / Agricultural department by transferring proportionate funds to them , shall be submitted with EIA report.
10. Commitment that local palatable perennial grass species proposed for grassland development/fodder development shall be added in the species for grassland/fodder development and this activity shall be taken up through Local DFO on degraded land suitable for the purpose or through Gram Panchayat on suitable community land shall be submitted with EIA report.
11. Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation Commitment that dense plantation/ Wood Lot shall be developed (preferably using “Miyawaki Technique”) in 7.5m barrier zone left for plantation with the concern CCF (R&E Circle Bhopal) shall be submitted with EIA report.
12. 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.
13. Proposal for CER activates should be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing.

**11. Case No 8548/2021 Shri Bharat Milan Pandey S/o Shri Vijay Narayan Pandey, Village - Pista, Tehsil - Ajaygarh, Dist. Panna, MP - 488220 Prior Environment Clearance for Stone Quarry in an area of 1.80 ha. (50,000 cum per annum) (Khasra No. 1049 (Part)), Village - Laulas, Tehsil - Ajaygarh, Dist. Panna (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1049 (Part)), Village - Laulas, Tehsil - Ajaygarh, Dist. Panna (MP) 1.80 ha. The project requires prior EC before commencement of any activity at site.

The case was not scheduled for presentation in 502<sup>nd</sup> SEAC meeting dated 06/07/21 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 502<sup>nd</sup> SEAC meeting dated 06/07/. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**12. Case No 7607/2020 Shri Ravi Pratap Singh S/o Shri Jang Bhadur Singh, R/o Village - Heerapur, Tehsil - Shahgarh, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.255 ha. (Expansion from 5002 to 69371 cum per annum) (Khasra No. 196P), Village - Mandhpur, Tehsil - Buxwaha, Dist. Chhatarpur (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 196P), Village - Mandhpur, Tehsil - Buxwaha, Dist. Chhatarpur (MP) 2.255 Ha. The project requires prior EC before commencement of any activity at site.

In the SEAC 502 meeting dated 06.07.2021 the case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the 502<sup>nd</sup> SEAC meeting dated 06/07/. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**DISCUSSIONS WITH THE PERMISSION OF CHAIRMAN, SEAC**

- (A) During meeting, it was informed to the members of SEAC that SEIAA, MP has issued an office memorandum vide letter no. 3161 dated 06/07/21 for all PP's for submitting six monthly compliance report as per clause 10 of EIA Notification, 2006. Vide this office memorandum, concerned District Collectors and concerned DFO's are also requested to seek the compliances of conditions imposed in EC for Corporate Environmental Responsibility and plantation respectively. During discussion, it was suggested that a copy of environmental clearance issued shall also be sent to PCCF (HoFF), Satpura Bhawan, Bhopal for effective monitoring of plantation through concerned DFO's in the State of Madhya Pradesh.

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

**(Dr. Praveen Chandra Dubey)**  
**Chairman**

**Annexure- 'A'**

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

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps or tanker sprinkles should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road as proposed. 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 comply the final closure plan as provided in Mining Plan duly approved by the competent authority.
11. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
12. 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.
13. 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.
14. 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.
15. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

16. 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.
17. Blasting shall be carried out only during day time and PP must ensure that biological clock of the nearby villager is not disturbed due to mining operation.
18. 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.
19. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
20. 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. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
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. PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. Which shall be updated every 03 months? 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.
27. 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.
28. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
29. 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”.

30. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
31. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
32. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps or tanker sprinkles should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road as proposed. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. PP shall ensure that productivity of agriculture crop not affected due to mining operations & crop liability Insurance Policy shall be taken up by PP as a precaution to compensate for any crop loss.
5. 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.
6. 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.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
8. 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.
9. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
10. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
11. 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.



12. No Mining shall be carried out during Monsoon season.
13. 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.
14. 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.
15. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
16. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
17. 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.
18. 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.
19. 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.
20. 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.
21. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
22. 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.
23. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
24. 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.
25. 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.

26. 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.
27. 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.
28. 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.
29. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
  - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
  - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.

**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.

4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. PP shall ensure that productivity of agriculture crop not affected due to mining operations & crop liability Insurance Policy shall be taken up by PP as a precaution to compensate for any crop loss.
10. 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.
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 issued by the MoEF&CC.
13. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
14. 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.
15. 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.
16. 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.
17. 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.
18. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
19. 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.

20. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
21. 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.
22. 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.
23. 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.
24. 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.
25. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. Mining Lease boundary shall be appropriately earmarked with fencing.
27. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.

#### **Annexure- 'D'**

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

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.

12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on

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

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

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