

The 447<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 22<sup>nd</sup> July, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing.

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.

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

1. **Case No 7324/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 4.502 ha. (42,750 cum per annum) (Khasra No. 1) at Village- Bakodi, Tehsil- Khairlanji, District- Balaghat (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1) at Village- Bakodi, Tehsil- Khairlanji, District- Balaghat (MP) 4.502 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. 2450 dated 15/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Chandan River. During presentation it was submitted by the PP that mining shall be start from North to South. No drilling and blasting is required in this sand mining. The sanctioned depth of the sand is 1.00 meters. After presentation the committee asked to submit following details:

1. Revised EMP as suggested by committee.
2. Revised CER adding the proposal for development of grazing land as per O.M dated 16/01/2020.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 42,750 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 37.04 Lakh as capital and Rs 5.22 Lakh/year as recurring and under CER Rs. 1.50 Lakh/years has proposed.

**2. Case No 7325/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 3.150 ha. (29,925 cum per annum) (Khasra No. 22) at Village- Barkho, Tehsil- Balaghat, District- Balaghat (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 22) at Village- Barkho, Tehsil- Balaghat, District- Balaghat (MP) 3.150 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. 2448 dated 15/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Mankuwar River. During presentation it was observed that as per the DFO letter dated 15/06/2020 Forest area is 210 meters from the lease boundary for which PP has already obtained permission from DCLC vide meeting dated 07/03/2020. Mining will start from North side of the mining lease towards South and no drilling and blasting is required in this sand mining. The sanctioned depth of the sand is 1.00 meters. After presentation the committee asked to submit following details:

1. Revised EMP as suggested by committee.
2. Revised CER adding the proposal for development of grazing land as per O.M dated 16/01/2020.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 29,925 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 25.84 Lakh as capital and Rs 3.85 Lakh/year as recurring and under CER Rs. 1.00 Lakh/years has proposed.
3. All the conditions stipulated by Divisional Commissioner Level Forest Committee vide letter dated 07.03.2020 shall be complied by PP.

**3. Case No 7326/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 1.458 ha. (27,702 cum per annum) (Khasra No. 345/1) at Village- Khapa, Tehsil- Waraseoni, District- Balaghat (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 345/1) at Village- Khapa, Tehsil- Waraseoni, District- Balaghat (MP) 1.458 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. 2449 dated 15/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Bridge	>500	East	-
Canal	Approx. 340	East	-

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Chandan River. During presentation it was submitted by the PP that mining shall be start from west side of mining lease. No drilling and blasting is required in this sand mining. The sanctioned depth of the sand is 2.00 meters. After presentation the committee asked to submit following details:

1. Revised EMP as suggested by committee.
2. Revised CER adding the proposal for development of grazing land as per O.M dated 16/01/2020.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 27,702 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 19.95 Lakh as capital and Rs 2.99 Lakh/year as recurring and under CER Rs. 1.00 Lakh/years has proposed.

**4. Case No 7327/2020 Shri Rajesh Pathak, Ward No. 15, Baihar Road, District Balaghat (MP)-481331. Prior Environment Clearance for approval of Sand Quarry in an area of 1.822 ha. (36,349 cum per annum) (Khasra No. 473) at Village- Lawani, Tehsil- Khairlanji, District- Balaghat (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 473) at Village- Lawani, Tehsil- Khairlanji, District- Balaghat (MP) 1.822 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. 2452 dated 15/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Wainganga River. During presentation it was submitted by the PP that mining shall

be start from Right side of mining lease. After presentation the committee asked to submit following details:

1. Revised EMP as suggested by committee.
2. Revised CER adding the proposal for development of grazing land as per O.M dated 16/01/2020.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 36,349 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 17.26 Lakh as capital and Rs 3.16 Lakh/year as recurring and under CER Rs. 1.50 Lakh/years has proposed.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 280) at Village- Gona, Tehsil- Palera, District- Tikamgarh (MP) 15.059 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 74 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 20.909 ha., including this mine.

**Salient Features of this Project:**

Description	Details
Project Location	Village- <b>Gona</b> , Tehsil- <b>Palera</b> , Dist- <b>Tikamgarh</b> , State- <b>Madhya Pradesh</b> .
Khasra No.	Khasra No. – <b>280</b> (Govt. Land)

River	<b>Dhasan River</b>
<b>Total Area</b>	<b>15.059 ha</b>
Elevation	199 mRL to 200 mRL
Ground Water Depth	Pre Monsoon – <b>4.13 to 18.50mbgl</b> and <b>Post Monsoon – 2.94 to 15.17 mbgl.</b>
Geological Reserve	<b>301,180 m<sup>3</sup></b>
Proposed maximum capacity/Minable Reserve	<b>36,000 m<sup>3</sup> per year</b>
Ultimate depth of the mine	<b>1.00 m</b> from surface.
Life of the mine	3 years as per LoI and Sand Mining Policy of Madhya Pradesh
No. of Working Days	240 dry days/year except monsoon
Seismic Zone	Zone III – Moderate damage risk zone as per IS: 1893 (Part-1) 2002
Topo-sheet No	<b>540/8</b>
Project cost	<b>Rs 100Lakhs</b>

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that a road bridge in existence at a distance of approximately 1.70 Kms towards Southern side and the part of lease is submerged in the water for which PP was asked to submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that they have started collecting baseline data of the study area from 1<sup>st</sup> February to 20<sup>th</sup> March 2020. However, monitoring was stopped due to COVID-19 lockdown from 22<sup>nd</sup> March and after lifting of lockdown monitoring was conducted from 7<sup>th</sup> May to 2<sup>nd</sup> June 2020. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. During discussion, PP submitted that as per OM J-11013/41/2006-IA-II (I) (Part) New Delhi dated 29/08/2017 issued by MoEF&CC at point no vii following provisions are made:

*“The base line data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for the TOR or the issue thereof. However, such a baseline data and the public consultation should not be older than three years, at the time of submission of the proposal, for the grant of Environmental Clearance, as per TORs prescribed”.*

Committee asked PP/ Consultant to submit chronology i.e. when the consultant got the work order from PP, order issued by the consultant to laboratory for carrying out monitoring and period of monitoring etc.

PP presented the above details and also submitted the hard copies. Being it's a case sand quarry with total area of 20.909 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:-

- Revised surface plan showing submerged area as no- mining area with available area for mining and capacity in the EIA.
- Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
- Revised proposed route for mineral evacuation by avoiding active water channel route.
- Mineral evacuation route avoiding human settlement.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 665) at Village- Karula, Tehsil- Palera, District- Tikamgarh (MP) 5.850 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 82 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 20.909 ha., including this mine.

**Salient Features of this Project:**

Description	Details
Project Location	Village- <b>Karola</b> , Tehsil- <b>Palera</b> , Dist- <b>Tikamgarh</b> , State- <b>Madhya Pradesh</b> .
Khasra No.	Khasra No. – <b>665</b> (Govt. Land)
River	<b>Dhasan River</b>
Total Area	<b>5.850</b> ha

Elevation	195 mRL to 196 mRL
Ground Water Depth	Pre Monsoon – <b>4.13 to 18.50mbgl</b> and <b>Post Monsoon – 2.94 to 15.17 mbgl.</b>
Geological Reserve	<b>117,000 m<sup>3</sup></b>
Proposed maximum capacity/Minable Reserve	<b>50,000 m<sup>3</sup> per year</b>
Ultimate depth of the mine	<b>1.00 m</b> from surface.
Life of the mine	3 years as per LoI and Sand Mining Policy of Madhya Pradesh
No. of Working Days	240 dry days/year except monsoon
Seismic Zone	Zone III – Moderate damage risk zone as per IS: 1893 (Part-1) 2002
Topo-sheet No	<b>540/8</b>
Project cost	<b>Rs 80 Lakhs</b>

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that a road bridge in resistance at a distance of approximately 450m towards Southern side and the part of lease is submerged in the water, PP shall be submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that they have started collecting baseline data of the study area from 1<sup>st</sup> February to 20<sup>th</sup> March 2020. However, monitoring was stopped due to COVID-19 lockdown from 22<sup>nd</sup> March and after lifting of lockdown monitoring was conducted from 7<sup>th</sup> May to 2<sup>nd</sup> June 2020. PP also presented the baseline date collected by them of Air, Surface water, Ground water, Noise etc. During discussion, PP submitted that as per OM J-11013/41/2006-IA-II (I) (Part) New Delhi dated 29/08/2017 issued by MoEF&CC at point no vii following provisions are made:

*“The base line data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for the TOR or the issue thereof. However, such a baseline data and the public consultation should not be older than three years, at the time of submission of the proposal, for the grant of Environmental Clearance, as per TORs prescribed”.*

Committee asked PP/ Consultant to submit chronology i.e. when the consultant got the work order from PP, order issued by the consultant to laboratory for carrying out monitoring and period of monitoring etc.



PP presented the above details and also submitted the hard copies. Being it's a case sand quarry with total area of 20.909 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:-

- Revised surface plan showing submerged area as no- mining area with available area for mining and capacity in the EIA.
- Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
- Revised proposed route for mineral evacuation by avoiding active water channel route.
- Mineral evacuation route avoiding human settlement.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01, 347) at Village- Larkhurd Parai Nadi, Tehsil- Jatara, District- Tikamgarh (MP) 6.564 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 87 dated 26/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

**Salient Features of this Project:**

Description	Details
Project Location	Village- <b>Lar Khurd Parai Nadi</b> , Tehsil- <b>Jatara</b> , Dist- <b>Tikamgarh</b> , State- <b>Madhya Pradesh</b> .
Khasra No.	Khasra No. – <b>01 &amp; 347</b> (Govt. Land)
River	<b>Parai Nadi</b>
Total Area	<b>6.564</b> ha

Elevation	250 mRL to 252 mRL
Ground Water Depth	Pre Monsoon – <b>4.13 to 18.50mbgl</b> and <b>Post Monsoon – 2.94 to 15.17 mbgl.</b>
Geological Reserve	<b>131,280 m<sup>3</sup></b>
Proposed maximum capacity/Minable Reserve	<b>28,000 m<sup>3</sup> per year</b>
Ultimate depth of the mine	<b>1.00 m</b> from surface.
Life of the mine	3 years as per LoI and Sand Mining Policy of Madhya Pradesh
No. of Working Days	240 dry days/year except monsoon
Seismic Zone	Zone III – Moderate damage risk zone as per IS: 1893 (Part-1) 2002
Topo-sheet No	<b>54P/1</b>
Project cost	<b>Rs 80 Lakhs</b>

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that a road bridge is crossing the lease for which committee recommended that PP shall maintain the safety distance as per Enforcement & Monitoring Guidelines for Sand Mining- 2020 and also the part of lease is submerged in the water for which PP shall be submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that they have started collecting baseline data of the study area from 1<sup>st</sup> February to 20<sup>th</sup> March 2020. However, monitoring was stopped due to COVID-19 lockdown from 22<sup>nd</sup> March and after lifting of lockdown monitoring was conducted from 7<sup>th</sup> May to 2<sup>nd</sup> June 2020. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. During discussion, PP submitted that as per OM J-11013/41/2006-IA-II (I) (Part) New Delhi dated 29/08/2017 issued by MoEF&CC at point no vii following provisions are made:

*“The base line data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for the TOR or the issue thereof. However, such a baseline data and the public consultation should not be older than three years, at the time of submission of the proposal, for the grant of Environmental Clearance, as per TORs prescribed”.*

Committee asked PP/ Consultant to submit chronology i.e. when the consultant got the work order from PP, order issued by the consultant to laboratory for carrying out monitoring and period of monitoring etc.

PP presented the above details and also submitted the hard copies. Being it's a case sand quarry with total area of 6.564 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:-

- Revised surface plan showing submerged area as no- mining area with available area for mining and capacity in the EIA.
- Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
- Revised proposed route for mineral evacuation by avoiding active water channel route.
- Mineral evacuation route avoiding human settlement.

**8. Case No 7343/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 7.891 ha. (40,000 cum per annum) (Khasra No. 34) at Village- Kubari, Tehsil- Palera, District- Tikamgarh (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 34) at Village- Kubari, Tehsil- Palera, District- Tikamgarh (MP) 7.891 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 81 dated 26/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

**Salient Features of this Project:**

Description	Details
Project Location	Village- <b>Kubri</b> , Tehsil- <b>Palera</b> , Dist- <b>Tikamgarh</b> , State- <b>Madhya Pradesh</b> .
Khasra No.	Khasra No. – <b>34</b> (Govt. Land)
River	<b>Dhasan River</b>

<b>Total Area</b>	<b>7.891 ha</b>
Elevation	208 mRL to 209 mRL
Ground Water Depth	Pre Monsoon – <b>4.13 to 18.50mbgl</b> and <b>Post Monsoon – 2.94 to 15.17 mbgl.</b>
Geological Reserve	<b>157,820 m<sup>3</sup></b>
Proposed maximum capacity/Minable Reserve	<b>40,000 m<sup>3</sup> per year</b>
Ultimate depth of the mine	<b>1.00 m</b> from surface.
Life of the mine	3 years as per LoI and Sand Mining Policy of Madhya M.P.
No. of Working Days	240 dry days/year except monsoon
Seismic Zone	Zone III – Moderate damage risk zone as per IS: 1893 (Part-1) 2002
Topo-sheet No	<b>54O/8</b>
Project cost	<b>Rs 90 Lakhs</b>

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP was asked to submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that they have started collecting baseline data of the study area from 1<sup>st</sup> February to 20<sup>th</sup> March 2020. However, monitoring was stopped due to COVID-19 lockdown from 22<sup>nd</sup> March and after lifting of lockdown monitoring was conducted from 7<sup>th</sup> May to 2<sup>nd</sup> June 2020. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. During discussion, PP submitted that as per OM J-11013/41/2006-IA-II (I) (Part) New Delhi dated 29/08/2017 issued by MoEF&CC at point no vii following provisions are made:

*“The base line data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for the TOR or the issue thereof. However, such a baseline data and the public consultation should not be older than three years, at the time of submission of the proposal, for the grant of Environmental Clearance, as per TORs prescribed”.*

Committee asked PP/ Consultant to submit chronology i.e. when the consultant got the work order from PP, order issued by the consultant to laboratory for carrying out monitoring and period of monitoring etc.

PP presented the above details and also submitted the hard copies. Being it's a case sand quarry with total area of 7.891 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:-

- Revised surface plan showing submerged area as no- mining area with available area for mining and capacity in the EIA.
- Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
- Revised proposed route for mineral evacuation by avoiding active water channel route.
- Mineral evacuation route avoiding human settlement.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 36) at Village- Tauriya Ungad, Tehsil- Palera, District- Tikamgarh (MP) 16.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 75 dated 26/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

**Salient Features of this Project:**

Description	Details
Project Location	Village- <b>Toriya Ugad</b> , Tehsil- <b>Palera</b> , Dist- <b>Tikamgarh</b> , State- <b>Madhya Pradesh</b> .
Khasra No.	Khasra No. – <b>01 &amp; 36</b> (Govt. Land)
River	<b>Ur River</b>
<b>Total Area</b>	<b>16.000</b> ha
Elevation	201 mRL to 202 mRL

Ground Water Depth	Pre Monsoon – <b>4.13 to 18.50mbgl</b> and <b>Post Monsoon – 2.94 to 15.17 mbgl.</b>
Geological Reserve	<b>1,60,000 m<sup>3</sup></b>
Proposed maximum capacity/Mineable Reserve	<b>80,000 m<sup>3</sup> per year</b>
Ultimate depth of the mine	<b>0.50 m</b> from surface.
Life of the mine	3 years as per LoI and Sand Mining Policy of Madhya Pradesh
No. of Working Days	240 dry days/year except monsoon
Seismic Zone	Zone III – Moderate damage risk zone as per IS: 1893 (Part-1) 2002
Topo-sheet No	<b>540/4</b>
Project cost	<b>Rs 110 Lakhs</b>

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water for which PP shall submit revised surface plan showing submerged area as non-mining area. During presentation PP submits that they have started collecting baseline data of the study area from 1<sup>st</sup> February to 20<sup>th</sup> March 2020. However, monitoring was stopped due to COVID-19 lockdown from 22<sup>nd</sup> March and after lifting of lockdown monitoring was conducted from 7<sup>th</sup> May to 2<sup>nd</sup> June 2020. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. During discussion, PP submitted that as per OM J-11013/41/2006-IA-II (I) (Part) New Delhi dated 29/08/2017 issued by MoEF&CC at point no vii following provisions are made:

*“The base line data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for the TOR or the issue thereof. However, such a baseline data and the public consultation should not be older than three years, at the time of submission of the proposal, for the grant of Environmental Clearance, as per TORs prescribed”.*

Committee asked PP/ Consultant to submit chronology i.e. when the consultant got the work order from PP, order issued by the consultant to laboratory for carrying out monitoring and period of monitoring etc.

PP presented the above details and also submitted the hard copies. Being it's a case sand quarry with total area of 16.00 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:-

- Revised surface plan showing submerged area as no- mining area with available area for mining and capacity in the EIA.
- Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
- Revised proposed route for mineral evacuation by avoiding active water channel route.
- Mineral evacuation route avoiding human settlement.

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

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 349) at Village- Pachora, Tehsil- Palera, District- Tikamgarh (MP) 8.927 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 90 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 14.216 ha., including this mine.

**Salient Features of this Project:**

Description	Details
Project Location	Village- <b>Pachora</b> , Tehsil- <b>Lidhora</b> , Dist- <b>Tikamgarh</b> , State- <b>Madhya Pradesh</b> .
Khasra No.	Khasra No. – <b>01 &amp; 349</b> (Govt. Land)
River	<b>Saprar River</b>
<b>Total Area</b>	<b>8.927</b> ha
Elevation	239 mRL to 240 mRL
Ground Water Depth	Pre Monsoon – <b>4.13 to 18.50mbgl</b> and Post

	<b>Monsoon – 2.94 to 15.17 mbgl.</b>
Geological Reserve	<b>178,540 m<sup>3</sup></b>
Proposed maximum capacity/Minable Reserve	<b>65,000 m<sup>3</sup> per year</b>
Ultimate depth of the mine	<b>1.00 m from surface.</b>
Life of the mine	3 years as per LoI and Sand Mining Policy of Madhya Pradesh
No. of Working Days	240 dry days/year except monsoon
Seismic Zone	Zone III – Moderate damage risk zone as per IS: 1893 (Part-1) 2002
Topo-sheet No	<b>540/4</b>
Project cost	<b>Rs 100 Lakhs</b>

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that a small check dam is seems to exist at a distance of approximately 12 meters towards Southern side, committee recommended that PP shall maintain setback as per Enforcement and Monitoring Guidelines for Sand Mining, 2020. During presentation PP submits that they have started collecting baseline data of the study area from 1<sup>st</sup> February to 20<sup>th</sup> March 2020. However, monitoring was stopped due to COVID-19 lockdown from 22<sup>nd</sup> March and after lifting of lockdown monitoring was conducted from 7<sup>th</sup> May to 2<sup>nd</sup> June 2020. PP also presented the baseline data collected by them of Air, Surface water, Ground water, Noise etc. During discussion, PP submitted that as per OM J-11013/41/2006-IA-II (I) (Part) New Delhi dated 29/08/2017 issued by MoEF&CC at point no vii following provisions are made:

*“The base line data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for the TOR or the issue thereof. However, such a baseline data and the public consultation should not be older than three years, at the time of submission of the proposal, for the grant of Environmental Clearance, as per TORs prescribed”.*

Committee asked PP/ Consultant to submit chronology i.e. when the consultant got the work order from PP, order issued by the consultant to laboratory for carrying out monitoring and period of monitoring etc.



PP presented the above details and also submitted the hard copies. Being it's a case sand quarry with total area of 14.216 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:-

- Revised surface plan showing setback as per Enforcement and Monitoring Guidelines for Sand Mining, 2020 in lease from the nearest dam at South side.
- Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
- Revised proposed route for mineral evacuation by avoiding active water channel route.
- Mineral evacuation route avoiding human settlement.

**11. Case No 7348/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for Sand Quarry in an area of 2.00 ha. (3,000 cum per annum) (Khasra No. 01) at Village- Guda Nadi, Tehsil- Jatara, District- Tikamgarh (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01) at Village- Guda Nadi, Tehsil- Jatara, District- Tikamgarh (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 85 dated 26/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Causeway	38	East	Setback as per Enforcement and Monitoring Guidelines for Sand Mining, 2020.

The case was presented by the PP and their consultant. PP stated that this is a case of river sand mining on Guda River. During presentation it was observed that the part of lease is submerged in

the water, PP shall be submit revised surface plan showing submerged area as non-mining area. After presentation the committee asked to submit following details:

1. Revised Surface production plan showing non-mining area towards water submergence and existence of causeway is to be submitted by the PP.
2. Revised plantation as suggested by committee.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. Committee observed that the minable area shown by PP in plan map is 120 meters away from the causeway and even after deducting the volume of sand in the submerged area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 3,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 5.87 Lakh as capital and Rs 3.09 Lakh/year as recurring and under CER Rs. 1.20 Lakh/years has proposed.

**12. Case No 7352/2020 Shri Virendra Singh Jadon, E-7/M-708, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Sand Quarry in an area of 2.00 ha. (56,000 cum per annum) (Khasra No. 119) at Village- Pathari, Tehsil- Palera, District- Tikamgarh (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 119) at Village- Pathari, Tehsil- Palera, District- Tikamgarh (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 94 dated 26/5/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.00 ha., including this mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Bridge	380m (upstream)	West	Necessary setback as per Enforcement & Monitoring Guidelines for Sand Mining 2020.

PP stated that this is a case of river sand mining on Sukhnai River. The sanctioned depth of the sand mining is 2.80 meters. No drilling & blasting is needed being sand mining project. PP submitted that the bridge is on the upstream of the lease and is 380 meters away and thus > 250 meters as per Enforcement & Monitoring Guidelines for Sand Mining 2020. After presentation the committee asked to submit following details:

1. Revised plantation as suggested by committee.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 56,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 4.02 Lakh as capital and Rs 3.02 Lakh/year as recurring and under CER Rs. 1.20 Lakh/years has proposed.

**13. Case No 7321/2020 M/s Jai Mahakal Associates, Prop. Shri Vijay Goswami, 25, Dhanah Colony, Maharani Laxmi Bai Ward, Dist. Seoni, MP - 480661 Prior Environment Clearance for Sand Quarry in an area of 21.00 ha. (99,900 Cum per annum) (Khasra No. 671, 01, 507), Village - Sakri, Khursipar, Ardiya, Tehsil - Kevlari, Dist. Seoni (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 671, 01, 507), Village - Sakri, Khursipar, Ardiya, Tehsil - Kevlari, Dist. Seoni (MP) 21.00 ha 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. 114 dated 22/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

**Salient Features of this Project:**

Village and area	Sakri,khursipar,ardiya (21.000 ha )
Project proponent applicant Co applicant	Applicant-m.p.s.m.c Co-applicant – m/s jai mahakal associate Proprieter – shri vijay goswami
New mine/ existing mine (old lease period in case of existing mine)	New sand quarry for period of 3 years
Name of the mineral	Sand from hirri river bed
Location of project & khasra no.	671,01,507, village- sakri,khursipar,ardiya , tehsil -kevlari Dist. – seoni(mp)
Lease area and production	21.000ha and 99900 cum / year
Occupancy	Govt. Land
No. Of mine located with 1000m radius	No mine.
Direction of transportation route	Towards south
Altitude of site (amsl)	339-336 mrl
Surrounding features	North – agricultural land South – waste land East - waste land after then agricultural land West - agricultural land
Aerial distance from national park /sanctuary/ biodiversity area, interstate boundary , critically polluted area.	Sarekha kalan p.f = 1.35 km east Murjhar r.f = 4.1 km east Parasar r.f = 9 km east

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water, PP shall be submit revised surface plan showing submerged area as non-mining area. Being it's a case sand quarry with total area of 21.00 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. Revised Surface production plan showing non-mining area towards water submergence is to be submitted by the PP in final EIA Report.
2. Photographs of the lease area showing the available dry area for mineral evacuation shall be submitted with final EIA Report.
3. Revised proposed route for material evacuation by avoiding active water channel route.
4. Mineral evacuation route avoiding human settlement.

**14. Case No 7346/2020 M/s Jai Mahakal Associates Prop. Shri Vijay Goswami, 25, Dhanah Colony, Maharani Laxmi Bai Ward, Dist. Seoni, MP - 480661, Prior Environment Clearance for Sand Quarry in an area of 4.00 ha. (9,975 cum per annum) (Khasra No. 108, 1), Village - Chami Chhapra Atri, Tehsil - Barghat, Dist. Seoni (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 108, 1), Village - Chami Chhapra Atri, Tehsil - Barghat, Dist. Seoni (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 108 dated 22/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, that the most part of lease is submerged in the water for which PP submitted that the sanctioned volume of sand is only 9975 cum/year in 4.00 ha area with 2.80 meters sanctioned depth and thus sand can be easily evacuated from the available dry area. Committee after deliberation decided that PP shall be submit revised surface plan showing submerged area as non-mining area. PP stated that this is a case of river sand mining on Hirri River. The sanctioned depth of the sand mining is 2.80 meters. After presentation the committee asked to submit following details:

1. Revised Surface production plan showing non-mining area towards water submergence is to be submitted by the PP.
2. Photographs of the lease showing availability of sand for evacuation in this lease area.
3. Revised EMP by adding life saving jackets as suggested during presentation.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 9,975 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.93Lakh as capital and Rs 1.54 Lakh/year as recurring and under CER Rs. 0.24 Lakh/years has proposed.

**15. Case No 7371/2020 M/s Jai Mahakal Associates, Prop. Shri Vijay Goswami, 25, Dhanah Colony, Maharani Laxmi Bai Ward, Dist. Seoni, MP – 480661 Prior Environment Clearance for Sand Quarry in an area of 5.00 ha. (25,000 cum per annum) (Khasra No. 1, 518), Village - Atri Gorakhpur, Tehsil - Barghat, Dist. Seoni (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1, 518), Village - Atri Gorakhpur, Tehsil - Barghat, Dist. Seoni (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 112 dated 22/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, it was observed that part of lease is submerged in the water, PP shall be submit revised surface plan showing submerged area as non-mining area. PP stated that this is a case of river sand mining on Hirri River. The sanctioned depth of the sand mining is 0.5 meters. After presentation the committee asked to submit following details:

1. Revised Surface production plan showing non-mining area towards water submergence is to be submitted by the PP.
2. Revised EMP by adding life saving jackets as suggested during presentation.
3. Revised plantation by replacing चिरोल to कदम, अर्जुन, सुबबूल as suggested during presentation.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP

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

1. Production of Sand as per mine plan with quantity not exceeding 25,000cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 16.93 Lakh as capital and Rs 1.56 Lakh/year as recurring and under CER Rs. 0.24 Lakh/years has proposed.

**16. Case No 7311/2020 M/s Venus Mining & Mineral, Partner Shri Pawan Jain R/o Hotel P.S. Residency Compound, Bypass Road Shivpuri (MP)-473551. Prior Environment Clearance for approval of Sand Quarry in an area of 4.00 ha. (10,000 cum per annum) (Khasra No. 1383) at Village- Sadbud, Tehsil- Badarwas, District- Shivpuri (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1383) at Village- Sadbud, Tehsil- Badarwas, District- Shivpuri (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 5706 dated 19/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Bridge	250(from upstream)	West	Necessary setback of 250m from upstream is maintained.

The case was presented by PP and their consultant wherein during presentation PP stated that this is a case of river sand mining on Sindh River. The sanctioned depth of the sand mining is 2.0 meters. After presentation the committee asked to submit following details:

1. Revised EMP by adding life saving jackets as suggested during presentation.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 10,000cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.93Lakh as capital and Rs 1.54 Lakh/year as recurring and under CER Rs. 0.20 Lakh/years has proposed.

**17. Case No 7312/2020 M/s Venus Mining & Mineral, Partner Shri Pawan Jain R/o Hotel P.S. Residency Compound, Bypass Road Shivpuri (MP)-473551. Prior Environment Clearance for approval of Sand Quarry in an area of 4.00 ha. (10,000 cum per annum) (Khasra No. 421) at Village- Ghurwar Khurd, Tehsil- Badarwas, District- Shivpuri (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 421) at Village- Ghurwar Khurd, Tehsil- Badarwas, District- Shivpuri (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 5705 dated 19/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Bridge	250(from upstream)	North-West	Necessary setback of 250m from upstream is maintained.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, it was observed that part of lease is submerged in



the water for which PP submit that no mining shall be done in submerged area and same will be delt as non-mining area. PP stated that this is a case of river sand mining on Sindh River. After presentation the committee asked to submit following details:

1. Revised EMP by adding life saving jackets as suggested during presentation.
2. Revised CER by adding white wash in school and maintainence of school building as suggested by the committee during presentation.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 13.43Lakh as capital and Rs 1.54 Lakh/year as recurring and under CER Rs. 0.20Lakh/years has proposed.

**18. Case No 7313/2020 M/s Venus Mining & Mineral, Partner Shri Pawan Jain R/o Hotel P.S. Residency Compound, Bypass Road Shivpuri (MP)-473551. Prior Environment Clearance for approval of Sand Quarry in an area of 3.20 ha. (15,000 cum per annum) (Khasra No. 01) at Village- Khiriya Sunwai, Tehsil- Narwar, District- Shivpuri (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01) at Village- Khiriya Sunwai, Tehsil- Narwar, District- Shivpuri (MP) 3.20 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 5709 dated 19/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, it was observed that part of lease is submerged in the water, PP shall be submit revised surface plan showing submerged area as non-mining area. PP stated that this is a case of river sand mining on Parwati River. The sanctioned depth of the sand mining is 2.0 meters. After presentation the committee asked to submit following details:

1. Revised Surface production plan showing non-mining area towards water submergence is to be submitted by the PP.
2. Revised EMP by proposal of adding life saving jackets as suggested during presentation.
3. Revised CER by maintaining drainage system in front of school building as suggested by the committee during presentation.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 15,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 11.49Lakh as capital and Rs 1.54 Lakh/year as recurring and under CER Rs. 0.20Lakh/years has proposed.

**19. Case No 7314/2020 M/s Venus Mining & Mineral, Partner Shri Pawan Jain R/o Hotel P.S. Residency Compound, Bypass Road Shivpuri (MP)-473551. Prior Environment Clearance for approval of Sand Quarry in an area of 3.060 ha. (10, 000 cum per annum) (Khasra No. 770 & 1190) at Village- Sakhnor, Tehsil- Kolaras, District- Shivpuri (MP)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 770 & 1190) at Village- Sakhnor, Tehsil- Kolaras, District- Shivpuri (MP) 3.060 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. 5707 dated 19/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, it was observed that part of lease is submerged in the water for which PP submitted that the current image is of October but water recedes down after rainy season and mining is possible. The past images were also seen which shows that minable area is available. PP shall be submit revised surface plan showing submerged area as

non-mining area. PP stated that this is a case of river sand mining on Sindh River. After presentation the committee asked to submit following details:

1. Revised Surface production plan showing non-mining area towards water submergence is to be submitted by the PP.
2. Revised EMP by proposal of adding life saving jackets as suggested during presentation.

PP has submitted the response of above queries letter vide dated 22.07.2020, which was placed before the committee and the same found satisfactory. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. Production of Sand as per mine plan with quantity not exceeding 10,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 11.23 Lakh as capital and Rs 1.54 Lakh/year as recurring and under CER Rs. 0.20Lakh/years has proposed.

**20. Case No 7315/2020 M/s Venus Mining & Mineral, Partner Shri Pawan Jain R/o Hotel P.S. Residency Compound, Bypass Road Shivpuri (MP)-473551. Prior Environment Clearance for approval of Sand Quarry in an area of 3.50 ha. (7,500 cum per annum) (Khasra No. 1645) at Village- Machhawali, Tehsil- Karera, District- Shivpuri (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1645) at Village- Machhawali, Tehsil- Karera, District- Shivpuri (MP) 3.50 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. 5708 dated 19/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation and discussion wherein it was observed per the Google image based on coordinates provided by PP, that there is a bridge exists towards southern side and the most part of lease is submerged in the water so mining in this condition is not possible. It was further observed by committee that the submergence is due to back water of Samoha Reservoir. PP submitted that the mining is possible after January of every year when water recedes down. Committee also referred the past images available on the Google wherein in most of the pictures the lease is submerged in back water of reservoir. Thus committee after

deliberation recommends that PP in this situation this case cannot be considered for grant of EC and case file may be sent to SEIAA for onward necessary action.

**21. Case No 7364/2020 M/s Bamdev Global, Authorized Person, Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road, Dist. Banda, UP - 210001 Prior Environment Clearance for Sand Quarry in an area of 6.00 ha. (30,000 cum per annum) (Khasra No. 122, 318, 01, 52 Parts) at Village- Gavhana, Tehsil- Burhanpur, District- Burhanpur (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 122, 318, 01, 52 Parts) at Village- Gavhana, Tehsil- Burhanpur, District- Burhanpur (MP) 6.00 Ha. The project requires prior EC before commencement of any activity at site.

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

The case was scheduled 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. Committee decided to call PP in next subsequent meetings of SEAC to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

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

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

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

The case was scheduled 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. Committee decided to call PP in next subsequent meetings of SEAC to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**23. Case No 7366/2020 M/s Bamdev Global, Authorized Person, Shri Upendra Gupta, E-91, Shree Nath Vihar, Chilla Road, Dist. Banda, UP - 210001, Prior Environment Clearance for Sand Quarry in an area of 5.00 ha. (25,000 cum per annum) (Khasra No. 51, 96) at Village- Rehata, Tehsil- Burhanpur, District- Burhanpur (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 51, 96) at Village- Rehata, Tehsil- Burhanpur, District- Burhanpur (MP) 5.00 Ha. The project requires prior EC before commencement of any activity at site.

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

The case was scheduled 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. Committee decided to call PP in next subsequent meetings of SEAC to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**24. Case No 7257/2020 M/s Kamakhya Enterprises, Partner Shri Lalji Gupra R/o Near Chak Turning, Ward No. 3, Mauganj, District Rewa (MP)-486335 Prior Environment Clearance for approval of Sardaman Metal Stone Quarry in an area of 2.00 ha. (44,176 cum per annum) (Khasra No. 574/1, 574/2, 575/1, 575/2, 576/1, 576/2) at Village- Sardaman, Tehsil- Hanumana, District- Rewa (MP).**

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 574/1, 574/2, 575/1, 575/2, 576/1, 576/2) at Village- Sardaman, Tehsil- Hanumana, District- Rewa (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 1239 dated 28/5/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.724 ha., including this mine.

The case was scheduled in 444<sup>nd</sup> meeting dated 03/07/2020 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 PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, 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
Trees (02)	Within lease	-	01 tree exists in 7.5m of barrier zone that will not be uprooted and another one shall be uprooted after taking permission from competent authority along with its 10 times compensatory plantation.

During presentation PP submitted that there are two mounds in the applied area, highest elevation area 309m and lowest 306 m MRL. Plan period of five year mining pit depth – 24 meters and the conceptual depth will be – 30 m. Method of mining shall be Opencast Method - Manual & semi-mechanized with Controlled Blasting/drilling. After presentation the committee asked to submit following details:--

- Inventory of trees within the lease is to be submitted by the PP.
- Revised bore log section is to be submitted.
- Section showing space available at pit bottom.
- CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 22.07.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 44,176 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.10 Lakh as capital and Rs. 3.04 Lakh/year as recurring. Under CER Rs. 1.05 Lakh/year has proposed.

**25. Case No. – 6572/2019 Shri Akash Singh Tomer, C-26, Nawab Singh Colony, Harishankarpuram, Gwalior, MP. Prior Environment Clearance for Stone Quarry in an area of 1.028 ha. (20,000 cum per annum) (Khasra No. 3893, 3895), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP). EIA CONSULTANT: M/s. APEX MINTECH CONSULTANTS**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3893, 3895), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 1.028Ha. 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's Office letter No.QL-49/18 dated: 24/09/2019 has reported that there are 11 more mines operating or proposed within 500 meters around the said mine total area of 8.278 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 403<sup>rd</sup> SEAC meeting dated 06/11/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1535 dated 01/07/2020, which was placed before the committee.

The case was scheduled for the EIA presentation wherein PP and their consultant were present. During presentation PP has submitted following project specific details:

- This is a fresh mine whereas this lease is in two parts, PP submitted that in order to make it >than 1.00 ha this lease is allotted in two parts.
- The Mining Plan with Progressive Mine Closure Plan has been approved by Regional Head Department of Geology & Mining Madhya Pradesh Gwalior Vide his letter no170/M.Plan.Cell/Na.Kra1/2013, Gwalior Date 15.02.2019.
- As per the MoEF Notifications dated 09.09.2013, Environmental clearance is required for mining leases having area less than 5.00 ha & as per the MOEF notification dated 24.12.2013 the mine is covered under B1 category.

- Public Hearing was conducted on 20.05.2020 at 11.00 am at nearby mine site, Biloua village, Tehsil Dabra, District Gwalior, Madhya Pradesh as per the Terms of Reference prescribed by the SEAC, Bhopal.
- The study area is gentle slope NW to SE. The study area is drain mainly by 1 River -The Chhachhundar River and 3Nallas –, Narkhara Nalla, Sukha Nalla and Bai Khoh Nalla. The Chhachhundar River situated at a distance of 2.75 in South of the lease area.
- **Method of Mining:** It is proposed to carrying out mining operation by mechanized opencast method with the help of Hydraulic Excavator, dumpers, etc. In order to meet the annual production is 20,000 m<sup>3</sup> and average about 250 m<sup>3</sup> of mineral will have to produce daily, taking 300 working days in a year. This daily target will be easily achieved by deploying one hydraulic excavator come front and loader of 0.9m<sup>3</sup> capacities. The blasted material will be transported to the crushing unit situated within the lease boundary itself. Thus, three dumpers each of 15 tones capacity will serve the purpose. After crushing the stone, the aggregate is temporally stacked at the crushing unit. It is supply to the consumers by truck/tippers/dumpers as per requirement.
- The mining operations will be carried out above the ground water table only. The surface top is 232mRL. The ground level at 172-167 mRL, i.e. 60-65 m BGL. Ultimate pit limit is 195 mRL for mining operations. Hence, no ground water table will be intersected even at the ultimate pit limit and no ground water contamination will be expected.
- The monitoring has been carried out at post monsoon at the month of October, 2019 to December.2019 as per the guideline issued by the MoEF & CC, New Delhi.

During presentation it was observed by the committee that sanctioned lease is in two parts for which PP submitted that to make an area of 1.00 ha two discontinuous leases are sanctioned as per MMR, 1996. PP was also asked to justify how ground water table will not be intersected. During presentation PP submitted that crusher will not be installed in the lease for which PP was asked to submit written commitment. Considering the targeted production of 20,000 cum/year, PP was asked to provide the details of space available at pit bottom. After presentation and discussion, committee asked PP to submit following details:

1. Undertaking from PP that no Ground water shall be intersected during the mining activities and UPL shall be submitted by PP.
2. Details of space available at pit bottom.
3. Revised plantation scheme with complete details i.e. location where and how many number of tress shall be plant with species.
4. Revised CER as per the suggestion of the committee during presentation.
5. Commitment from PP that no crusher shall be installed within lease boundary.



PP vide their letter dated 22.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone Quarry in an area of 1.028 ha. (20,000 cum per annum) (Khasra No. 3893, 3895), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP)., subject to the following special conditions and conditions stipulated in Annexure-A:

**(A) PRE-MINING PHASE**

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

**(B) MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. Ground Vibration Study shall be carried-out within six months and report be submitted with six monthly compliance report. The suggestion of vibration study shall also be complied by PP.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.

19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1800 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be  $16178 \times 3 \times 2 = 97068$  cum. The settling tank will be 20 in number of size  $3m \times 3m \times 6m$ .
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

S. No	Description	Area put to use at start of plan (in Ha.)	Area after 5 years (in Ha.)	End of the Mine Life
1.	Mining	0.0000	0.6580	0.6580
2.	Green belt	0.0000	0.1850	0.3700
3.	Water reservoir*	-	0.6580	0.6580
4.	Used area	0.0000	0.8430	1.0280
5.	Unused area	1.0280	0.1850	0.0000
	Total lease area	<b>1.0280</b>	<b>1.0280</b>	<b>1.0280</b>

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

during mining operations.

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

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

33. In the proposed EMP, capital cost is Rs. 10.85Lakh is proposed and Rs.2.36 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 0.90 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**26. Case No. – 6466/2019 M/s Balaja Stone Crusher, Badi, Dist. Dholpur, Raj. – 474001 Prior Environment Clearance for Stone (Gitti) Quarry in an area of 1.50 ha. (1,00,000 cum per annum) (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP). EIA CONSULTANT: M/s. APEX MINTECH CONSULTANTS.**

This is case of Stone (Gitti) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 1.50 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. QL-33 dated: 27/01/15 has reported that there are 25 more mines operating or proposed within 500 meters around the said mine with total area of 41.50 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 394<sup>th</sup> SEAC meeting dated 31/08/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1537 dated 01/07/2020, which was placed before the committee.

The case was scheduled for the EIA presentation wherein PP and their consultant were present. During presentation PP has submitted following project specific details:

- This is a old existing mine having earlier Environment Clearance issued by District Environment Impact Assessment Authority, Gwalior on Dated 22.02.2017 for a production of Crusher Stone 25000 M<sup>3</sup>. Now PP applied for Expansion in production capacity from 25,000 to 1,00,000 cum per annum.
- The Mining Plan with Progressive Mine Closure Plan has been approved by Regional Head Department of Geology & Mining Madhya Pradesh Gwalior Vide his letter no1957/M.Plan.Cell/Na.Kra 01/2018-19, Gwalior Date 27.12.2018.
- The Consent to operate granted by Madhya Pradesh pollution control Board-Gwalior. No./MPPCB/GW R Dated 25.04.2017 for a production of Crusher Stone 25000 M<sup>3</sup>. Valid up to 22.04.2022.
- Public Hearing was conducted on 20.05.2020 at 11.00 am at nearby mine site, Biloua village, Tehsil Dabra, District Gwalior, Madhya Pradesh as per the Terms of Reference prescribed by the SEAC, Bhopal.

**Method of Mining:** It is proposed to carrying out mining operation by mechanized opencast method with the help of Hydraulic Excavator, dumpers, etc. In order to met the annual production is 1,00,000 m<sup>3</sup> and average about 250 m<sup>3</sup> of mineral will have to produce daily, taking 300 working days in a year. This daily target will be easily achieved by deploying one hydraulic excavator come front and loader of 0.9m<sup>3</sup> capacity. The blasted material will be transported to the crushing unit situated within the lease boundary itself. Thus, three dumpers each of 15 tonnes capacity will serve the purpose. After crushing the stone, the aggregate is temporally stacked at the crushing unit. It is supply to the consumers by truck/tippers/dumpers as per requirement.

- The mining operations will be carried out above the ground water table only. The ground water level is at 185mRL. The ground water level in the lease area is 60 m BGL. Mining will be done up to 210 mRL, which is the ultimate pit limit. Hence, no ground water table will be intersected even at the ultimate pit limit and no ground water contamination is expected.

- The monitoring has been carried out at post monsoon at the month of October, 2019 to December.2019 as per the guideline issued by the MoEF & CC, New Delhi.

During presentation it was observed by the committee that it's a case of expansion and PP should must obtained the MoEF& CC compliance report of earlier EC conditions. PP submitted that they have obtained the compliance report issued by letter dated 09/12/2019 and compliance is found satisfactory by authority. PP also presented the compliance report issued by the MoEF&CC. PP was also asked to justify how ground water table will not be intersected. During presentation PP submitted that crusher will not be installed in the lease for which PP was asked to submit written commitment. Considering the targeted production of 1,00,000 cum/year, PP was asked to provide the details of space available at pit bottom. After presentation and discussion, committee asked PP to submit following details:

1. Since it is a case of expansion in production capacity PP shall submit compliance report obtained from MoEF & CC of earlier EC conditions.
2. Undertaking from PP that no Ground water shall be intersected during the mining activities and UPL shall be submitted by PP.
3. Details of space available at pit bottom.
4. Revised plantation scheme with complete details i.e. location where and how many number of tress shall be plant with species.
5. Revised CER as per the suggestion of the committee during presentation.
6. Commitment from PP that no crusher shall be installed within lease boundary.

PP vide their letter dated 22.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone (Gitti) Quarry in an area of 1.50 ha. (1,00,000 cum per annum) (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP).., subject to the following special conditions and conditions stipulated in Annexure-A:

#### **A. PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.

3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

**B. MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. Ground Vibration Study shall be carried-out within six months and report be submitted with six monthly compliance report. The suggestion of vibration study shall also be complied by PP.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1800 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.

24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be  $16178 \times 3 \times 2 = 97068$  cum. The settling tank will be 20 in number of size  $3m \times 3m \times 6m$ .
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

<b>S. No</b>	<b>Description</b>	<b>Present area in (hect.)</b>	<b>At the end of Plan period (hect.)</b>
<b>1.</b>	Mining out area (pit)	1.5000	1.5000
<b>2.</b>	*Water reservoir	0.0000	1.5000
<b>3.</b>	*Plantation area	0.0000	0.0000
<b>4.</b>	Crusher area	0.0000	0.0000
<b>5.</b>	Unused area	0.0000	0.0000
	<b>Total lease area</b>	<b>1.5000</b>	<b>1.5000</b>

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

#### **C. ENTIRE LIFE OF THE PROJECT**

33. In the proposed EMP, capital cost is Rs. 14.00Lakh is proposed and Rs.2.27 Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 2.10 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP

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

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

**27. Case No. – 6465/2019 M/s Shree Jee Granite, Kali Mai Santar, Murar, Dist. Gwalior, MP – 474001 Prior Environment Clearance for Stone (Gitti) Quarry in an area of 1.582 ha. (1,15,000 cum per annum) (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP). EIA CONSULTANT: M/s. APEX MINTECH CONSULTANTS**

This is case of Stone (Gitti) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 1.582 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. QL-37 dated: 02/07/15 has reported that there are 22 more mines operating or proposed within 500 meters around the said mine with total area of 44.75 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 394<sup>th</sup> SEAC meeting dated 31/08/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1541 dated 01/07/2020, which was placed before the committee.

The case was scheduled for the EIA presentation wherein PP and their consultant were present. During presentation PP has submitted following project specific details:

- This is a old existing mine having earlier Environment Clearance issued by District Environment Impact Assessment Authority, Gwalior No. 1194/DEIAA/Na. Kru-1/2016 Dated 22.02.2017 for a targeted production of Mineral 49,184 Cum /Annum, now PP has applied for expansion in production capacity from 49,184 to 1,15,000 Cum per annum.
- The Mining Plan with Progressive Mine Closure Plan has been approved by Regional Head Department of Geology & Mining Madhya Pradesh Gwalior Vide his letter no. 1691 Date 25.10.2018 for a targeted production of stone bolder 1,15,000 Cum per annum.



- Public Hearing was conducted on 20.05.2020 at 11.00 am at nearby mine site, Biloua village, Tehsil Dabra, District Gwalior, Madhya Pradesh as per the Terms of Reference prescribed by the SEAC, Bhopal.
- **Method of Mining:** It is proposed to carrying out mining operation by mechanized opencast method with the help of Hydraulic Excavator, dumpers, etc. In order to met the annual production is 1,15,000 m<sup>3</sup> and average about 250 m<sup>3</sup> of mineral will have to produce daily, taking 300 working days in a year. This daily target will be easily achieved by deploying one hydraulic excavator come front and loader of 0.9m<sup>3</sup> capacity. The blasted material will be transported to the crushing unit situated within the lease boundary itself. Thus, three dumpers each of 15 tonnes capacity will serve the purpose. After crushing the stone, the aggregate is temporally stacked at the crushing unit. It is supply to the consumers by truck/tippers/dumpers as per requirement.
- The mining operations will be carried out above the ground water table only. The ground water level at 175-170 mRL, in the lease i.e. 64-65 m. BGL. Ultimate pit limit is 180 mRL for mining operations. Hence, no ground water table will be intersected even at the ultimate pit limit and no ground water contamination will be expected.
- Public Hearing has been carried on 20.05.2020 as per the provisions of the EIA Notification, 2006.
- The monitoring has been carried out at post monsoon at the month of October, 2019 to December.2019 as per the guideline issued by the MoEF & CC, New Delhi.

During presentation it was observed by the committee that it's a case of expansion and PP should must obtained the MoEF& CC compliance report of earlier EC conditions. PP submitted that they have obtained the compliance report issued by letter dated 09/12/2019 and compliance is found satisfactory by authority. PP also presented the compliance report issued by the MoEF&CC. PP was also asked to justify how ground water table will not be intersected. During presentation PP submitted that crusher will not be installed in the lease for which PP was asked to submit written commitment. Considering the targeted production of 1,15,000 cum/year, PP was asked to provide the details of space available at pit bottom. After presentation and discussion, committee asked PP to submit following details:

1. Since it is a case of expansion in production capacity PP shall submit compliance report obtained from MoEF & CC of earlier EC conditions.
2. Undertaking from PP that no Ground water shall be intersected during the mining activities and UPL shall be submitted by PP.
3. Details of space available at pit bottom.
4. Revised plantation scheme with complete details i.e. location where and how many number of tress shall be plant with species.
5. Revised CER as per the suggestion of the committee during presentation.
6. Commitment from PP that no crusher shall be installed within lease boundary.

PP vide their letter dated 22.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone (Gitti) Quarry in an area of 1.582 ha. (1,15,000 cum per annum) (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP).., subject to the following special conditions and conditions stipulated in Annexure-A:

**A. PRE-MINING PHASE**

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

**B. MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. Ground Vibration Study shall be carried-out within six months and report be submitted with six monthly compliance report. The suggestion of vibration study shall also be complied by PP.
17. No dump shall be stacked outside the lease area.

18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1900 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 16178 X 3 X 2 = 97068 cum. The settling tank will be 20 in number of size 3mx 3m x 6m.
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

<b>S. No</b>	<b>Description</b>	<b>Present area in (hect.)</b>	<b>At the end of Plan period (hect.)</b>
<b>1.</b>	Mining out area (pit)	1.5820	1.5820
<b>2.</b>	*Water reservoir	-	1.5820
<b>3.</b>	*Plantation area	-	-
<b>5.</b>	Unused area	-	-
	Total lease area	1.5820	1.5820

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

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

**C. ENTIRE LIFE OF THE PROJECT**

33. In the proposed EMP, capital cost is Rs. 14.50Lakh is proposed and Rs.2.42Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 2.10 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**28. Case No. – 6464/2019 M/s Shree Jee Granite, Kali Mai Santar, Murar, Dist. Gwalior, MP – 474001 Prior Environment Clearance for Stone (Gitti) Quarry in an area of 0.50 ha. (65,000 cum per annum) (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP). EIA CONSULTANT: M/s. APEX MINTECH CONSULTANTS**

This is case of Stone (Gitti) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 0.50 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. QL-157 dated: 02/07/15 has reported that there are 13 more mines operating or proposed within 500 meters around the said mine with total area of 23.548 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 394<sup>th</sup> SEAC meeting dated 31/08/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated NIL which was forwarded through SEIAA vide letter no. 1539 dated 01/07/2020, which was placed before the committee.

The case was scheduled for the EIA presentation wherein PP and their consultant were present. During presentation PP has submitted following project specific details:

- This is an old existing mine having earlier Environment Clearance granted by District Environment Impact Assessment Authority, Gwalior on Dated 22.02.2017 for a targeted production of Stone 2,640 M3. Letter No. 1200 /DEIAA /Na.Ka.-1/2016 Dated 22.02.2017, now PP has applied for expansion in production capacity from 2,640 to 65,000 Cum per annum.
- The Mining Plan with Progressive Mine Closure Plan has been approved by Regional Head Department of Geology & Mining Madhya Pradesh Gwalior Vide his letter no. 1690, Dated 25.10.2018.
- Public Hearing was conducted on 20.05.2020 at 11.00 am at nearby mine site, Biloua village, Tehsil Dabra, District Gwalior, Madhya Pradesh as per the Terms of Reference prescribed by the SEAC, Bhopal.
- **Method of Mining:** It is proposed to carrying out mining operation by mechanized opencast method with the help of Hydraulic Excavator, dumpers, etc. In order to met the annual production is 65,000 m<sup>3</sup> and average about 250 m<sup>3</sup> of mineral will have to produce daily, taking 300 working days in a year. This daily target will be easily achieved by deploying one hydraulic excavator come front and loader of 0.9m<sup>3</sup> capacity. The blasted material will be transported to the crushing unit situated within the lease boundary itself. Thus, three dumpers each of 15 tonnes capacity will serve the purpose. After crushing the stone, the aggregate is temporally stacked at the crushing unit. It is supply to the consumers by truck/tippers/dumpers as per requirement.
- The mining operations will be carried out above the ground water table only. The ground water level at 178-173 mRL, i.e. 60 - 65 m BGL. Ultimate pit limit is 180 mRL for mining operations. Hence, no ground water table will be intersected even at the ultimate pit limit and no ground water contamination will be expected.
- The monitoring has been carried out at post monsoon at the month of October, 2019 to December.2019 as per the guideline issued by the MoEF & CC, New Delhi.

During presentation it was observed by the committee that it's a case of expansion and PP should must obtained the MoEF& CC compliance report of earlier EC conditions. PP submitted that they have obtained the compliance report issued by letter dated 09/12/2019 and compliance is found satisfactory by authority. PP also presented the compliance report issued by the MoEF&CC. PP was also asked to justify how ground water table will not be intersected. During presentation PP submitted that crusher will not be installed in the lease for which PP was asked to submit written commitment. Considering the targeted production of 65,000 cum/year, PP was asked to provide the details of space available at pit bottom. After presentation and discussion, committee asked PP to submit following details:

1. Since it is a case of expansion in production capacity PP shall submit compliance report obtained from MoEF & CC of earlier EC conditions.
2. Undertaking from PP that no Ground water shall be intersected during the mining activities and UPL shall be submitted by PP.
3. Details of space available at pit bottom.
4. Revised plantation scheme with complete details i.e. location where and how many number of trees shall be planted with species.
5. Revised CER as per the suggestion of the committee during presentation.
6. Commitment from PP that no crusher shall be installed within lease boundary.

PP vide their letter dated 22.07.2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Stone (Gitti) Quarry in an area of 0.50 ha. (65,000 cum per annum) (Khasra No. 3717/2), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP).., subject to the following special conditions and conditions stipulated in Annexure-A:

#### **PRE-MINING PHASE**

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

#### **A. MINING OPERATIONAL PHASE**

10. No overcharging during blasting to avoid vibration.
11. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.

12. Working height of the loading machines shall be compatible with bench configuration.
13. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
14. No explosive will be stored at the mine site.
15. No intermediate stacking is permitted at the mine site.
16. Ground Vibration Study shall be carried-out within six months and report be submitted with six monthly compliance report. The suggestion of vibration study shall also be complied by PP.
17. No dump shall be stacked outside the lease area.
18. Overhead sprinklers shall be provided in mine.
19. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
20. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 600 trees shall be planted on barrier zone, backfilled area and along the transportation route.
21. Transportation of material shall be done in covered vehicles.
22. Transportation of minerals shall not be carried out through forest area.
23. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
24. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be  $16178 \times 3 \times 2 = 97068$  cum. The settling tank will be 20 in number of size  $3m \times 3m \times 6m$ .
25. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
26. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
27. The existing and proposed land use plan of the mine is as follows:

<b>S. No</b>	<b>Description</b>	<b>Present area in (hect.)</b>	<b>At the end of Plan period (hect.)</b>
<b>1.</b>	Mining out area (pit)	0.3775	0.5000
<b>2.</b>	*Water reservoir	-	0.5000
<b>3.</b>	*Plantation area	-	0.0000
<b>5.</b>	Unused area	0.1225	0.0000
	Total lease area	0.5000	0.5000

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

**B. ENTIRE LIFE OF THE PROJECT**

33. In the proposed EMP, capital cost is Rs. 7.10 Lakh is proposed and Rs.2.21Lakh /year as recurring expenses.
34. Under CSR activity, Rs. 1.80 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

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

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

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

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

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

**(Dr. Jai Prakash Shukla)**  
**Member**

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



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

**Annexure- 'A'**

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

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
20. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
21. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
22. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.

**Annexure- 'B'**

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

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water

- intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
  9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
  10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
  11. No Mining shall be carried out during Monsoon season.
  12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
  13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
  14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
  15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
  16. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
  17. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
  18. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
  19. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
  20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
  22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
  23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
  24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

**Annexure- 'C'**

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

**Annexure- 'D'**

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

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

- EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
  17. All the necessary NOC's duly verified by the competent authority should be annexed.
  18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
  19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
  20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
  21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
  22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
  23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
  24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
  25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
  26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
  27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.

**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.**

28. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
29. Detailed analysis of availability and quality of the drinking water resources available in the block.
30. 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.
31. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.