

The 546th meeting of the State Expert Appraisal Committee (SEAC) was held on 08th February, 2022 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

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

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

1. **Case No. 8391/2021 Shri Rajesh Pathak, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 7.750 ha. (132525 cum per annum) (Khasra No. 706 Part), Village - Budbuda, Tehsil - Waraseoni, Dist. Balaghat (MP) Env. Consultant Shri Krishan Chandra Panda from M/s. Oceao Enviro Management Solution (India) Pvt. Ltd., Ghaziabad (U.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 706 Part), Village - Budbuda, Tehsil - Waraseoni, Dist. Balaghat (MP) 7.750 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. 459 dated: 05/03/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 493th SEAC dated 23/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited, Gaziabad U.P. on behalf of PP in the 539th SEAC meeting dated 07-01-22. The Committee observed that this is a case of a river sand mining. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered.

Following are the points where information found mismatched in the online submitted EIA report.

1. Shortcomings in the on line submitted EIA Report

- S.No. 4 (Page 1/9) Required information is not available in Figure 3.6 (Page III/20)
- S.No. 5 (Page 1/9) Required information is not available in Figure 3.6 (Page III/20)
- S.No. 10 (Page 1/11) Required information is not available in Figure 3.6 (Page III/20)
- S.No. 15 (Page 1/12) Para 3.11 is not available in the EIA
- S.No. 18 (Page 1/13) Para 3.11 is not available in the EIA
- S.No. 22 (Page 1/14) Figure 3.1 is not available in the EIA
- S.No. 24 (Page I/15) Required information is not available in Table 2.7 (Page II/23)

Additional TOR Point

S.No. 1.(Page 1/8) No sand evacuation route Map is available?

Check section 2.9 of all EIA

Other Points to be Addressed

S.No. 1 (Page 1/22) Figure 3.11 is not available in the EIA

Revised Entire Chapter 3, as it is written in haphazard manner

- S.No. 2 (Page 1/22) Figure 3.11 is not available in the EIA
- S.No. 6 (Page 1/22) Required information is not available in Section 4.2
- S.No. 6 (Page 1/22) Required information is not available in Section 4.4
- S.No. 6 (Page 1/22) Required information is not available in Section 4.5
- S.No. 6 (Page 1/22) Required information is not available in Section 4.3
- S.No. 7 (Page 1/22) incomplete information

General Conditions

S.No. 25 (Page 1/14) No report of soil profile available on Annexure IX

2. In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked.
3. A revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

PP vide letter dated 19.01.2022 submitted revised copy of the EIA and same was sent through e-mail on dated 25.01.2022 to all members.

In this meeting the case was scheduled for EIA presentation, the EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited, Gaziabad U.P. on behalf of PP. PP stated that this is a case of river sand mining on Chandan River. During presentation as per Google image based on coordinates provided by PP it was observed that another stream is joining river from north side hence 50 m set back shall be provided. PP submitted that they will leave submerged area as non – mining area. Following salient features presented by PP:

- The mine lease of river sand quarry on Chandan River is spread over an area of 7.750 Ha in Village -Budbuda, Tehsil -Waraseoni, Dist. Balaghat, State Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Shri Rajesh Pathak by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Kramank/700/132/2020/12/1, Date:05/02/2021 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Kramank:423-A/khann Yojna/21, Date:26/02/21 for a production capacity of : 1,05,444 M³ /Annum.
- Cluster Certificate and NOC from Forest Department has been obtained for site Kramank:459/Khanij ret/2021 Date:5/03/2021(Ekal praman patra) and Kramank:8082, Date:10/11/14.

- Opencast Semi-mechanised and manually method for mining by scrapping in 1.8m depth layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Chandan River

- The Chandan River- flowing from N to S (Major River)
- Flowing through Balaghat district.
- Chandan river surface water divides into 57 streams to Boundary of basin. The basin area is highly undulating with isolated hills and plans the ground slope from north to south and east to west (refer Ground Water Information Booklet, Balaghat District M.P.)
- The average rainfall= 839.52mm.
- District receives most rainfall during July to September which leads to deposition of the sufficient quantity of sand every year within the old working area.
- Dandy Bolton formulae has category stated used of the equation to predict sediment yield for a specific location(would not be always correct due to wide variability caused by local factors) not considered in the equation development.
- Actual sediment yield from individual drainage basin may vary 10- fold or even 100 fold computed yields on the basis of dandy Bolton formulae with 50 fold the sediment yield is 16,200,000 Cu.m.
- The Annual replenished sand in Chandan River is 16,200,000 Cu.m (as per DSR Balaghat issued by DGM).
- Hence it is concluded that the annual production capacity 1,05,444 Cu.m Which will be excavated at the quarry lease area will be replenished during monsoon season.

Plantation

Afforestation will be taken the along River Bank and Approach road, along the river banks, as per submitted scheme.

Revised production plan:

The production has been reduced from 1,32,525 cu.m/annum to 1,05,444 cu.m/annum due to the area blocked under green patch, settlement around the project site and a rivulet joining in the NW corner of the lease.

Production Plan of Budbuda SAND QUARRY		
Sanctioned Lease area	7.75	Ha
Area under submerged area & blocked area	1.89	Ha
Effective Minable area	5.86	Ha
Depth of Mine	1.8	m
Achieved Production	1,05,444	Cum.

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

1. Revised surface plan with evacuation routes and proposal for non- mining area due to another rivulet joining the lease from the NW side.
2. Commitment that before mining operations opinion of local fisheries department will be obtained about any critical habitat of aquatic fauna. If occurrence of any such fauna is reported, suitable protection measures shall be adopted by the PP as suggested by fisheries department.
3. Revised Plantation species as suggested by committee
4. Revised EMP as suggested by committee
5. Revised CER as suggested by committee.

PP vide their letter dated 08.02.2022 submitted query reply, PP stated that there is a rivulet joining from the NW side of the lease area for which 50 m has been blocked as a non mining zone, for the nearest settlement which is present nearby the middle of the lease area in the west side 100 m setback has been blocked, in the southern side of the lease which depicts some green patch has been blocked. As the lease area touched both side of the banks of the river, a provision of setback of 25 m from the west side of the river bank has been blocked. PP committed that only East side of the lease will be used for the mining along with two evacuation routes on the west side of lease. The revised surface plan was submitted and accordingly the production was reduced. PP also revised the EMP budget as per suggestion during presentation. PP also furnished a commitment stating that before mining, opinion of the District Fisheries Department officer will be taken about the critical aquatic habitat of aquatic Fauna. PP revised the CER with adoption of the wildlife at Kanha National park through the Field Director

of the Kanha National park. Proposed green belt/species of plantation has been revised. The plantation will be done of the trees more than 01 m height in the first year only and the rest lease period the maintenance of the trees will be done.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Budbuda sand Quarry in an area of 7.750 Ha. for capacity 1,05,444 cum per annum at Khasra No.- 706 P, Village – Budbuda, Tehsil -Waraseoni, Dist. Balaghat, State - Madhya Pradesh as per approved mine plan subject to the following special conditions and as per Annexure-“B”

(A) PRE-MINING PHASE

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

B. MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.

4. The proposed plantation scheme should be carried out within 01 year and PP would maintain the plants for the rest lease period including casualty replacement.
5. Plantations along the project boundary shall be carried out using tall saplings of minimum 01 meter height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 11,520 trees shall be planted on safety zone, banks of the lease area and along the transportation route, and distribution of the saplings to local farmers.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
9. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. The commitments made in the public hearing are to be fulfilled by the PP.
12. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
13. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

C. ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs 16,63,100 is proposed and Rs 8,02,000 per year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. No	Description	Cost to be Incurred		Affected village
		Capital	Recurring	
1.	Provision of LPG under Ujjwala Yojna. 3 LPG Cylinder per year for 32 labourer @ Rs.1000 per cylinder.	96000	0	Village: Budbuda
2.	Construction of 2 toilets in Govt. Higher Senior	90000	10000	Village: Budbuda

	Secondary School, Budbuda at 0.61 Km away from mine site.			
3.	Repair and Maintenance of the Nav Durga mandir, Botejhari at 3.64 Km from mine site.	100000	10000	Village: Budbuda
4	Dental Camps, Health Checkup Camps Per Year for three year.	1,50,000	0	Village: Budbuda
5	Leveling of school play ground nearby mine site.	100000	10000	Village: Budbuda
6	Provision of Katang Bamboo, Nagarmotha, Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area	25000	0	Village: Budbuda
7	Adoption for Wildlife for conservation of Tigers in Kanha National Park through the field Director.	150000	0	Kanha National Park
	Total	7,11,000/-	30,000/-	

3. Priority for Katang Bamboo & Khas Grass should be given.
4. 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.
5. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

2. Case No. 8311/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP 481111 Prior Environment Clearance for Sand Quarry in an area of 8.396 ha. (127619 cum per annum) (Khasra No. 650 Part), Village - Singodi, Tehsil - Waraseoni, Dist. Balaghat (MP) Env. Consultant Shri Krishan Chandra Panda from M/s. Oceao Enviro Management Solution (India) Pvt. Ltd., Ghaziabad (U.P.)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 650 Part), Village - Singodi, Tehsil -

Waraseoni, Dist. Balaghat (MP) 8.396 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2874 dated: 25/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 490th SEAC dated 16/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered.

Following are the points where information found mismatched in the online submitted EIA report.

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Additional TOR Point

- S.No. 1.(Page 1/8) No sand evacuation route Map is available?
- Check section 2.9 of all EIA

Other Points to be Addressed

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General Conditions

- S.No. 25 (Page 1/14) No report of soil profile available on Annexure IX

1. In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked.
2. A revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

PP vide letter dated 19.01.2022 submitted revised copy of the EIA and same was sent through e-mail on dated 25.01.2022 to all members.

In this meeting the case was scheduled for EIA presentation, the EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited, Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining.

PP stated following points:

- Sand Quarry Mining Project on Chandan River is spread over an area of 8.396 Ha in Village –Singodi, Tehsil- Waraseoni, Dist- Balaghat, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/S Shri Rajesh Pathak by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Kramank/702/132/2020/12/1/ Bhopal dated 05/02/2021 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Prasthkramank/2805-A/KhananYojna/20 dated 15/09/2020 for a production capacity 1,27,619 M3 Per Annum per year.

- Cluster Certificate and NOC from Forest Department has been obtained for site vide Kramank/2874/Khaniz ret/2020 dated 25/09/2020 and Kramank/Ma.Chi./7625/ Balaghat dated 25/10/2014.
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.6 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Chandan River

- The Chandan River- flowing from N to S (Major River)
- Flowing through Balaghat district.
- Chandan river surface water divides into 57 streams to Boundary of basin. The basin area is highly undulating with isolated hills and plans the ground slope from north to south and east to west refer Ground Water Information Booklet, Balaghat District M.P.
- The average rainfall= 839.52mm
- District receives most rainfall during July to September which leads to deposition of the sufficient quantity of sand every year within the old working area
- Dandy Bolton formulae has category stated used of the equation to predict sediment yield for a specific location(would not be always correct due to wide variability caused by local factors) not considered in the equation development
- Actual sediment yield from individual drainage basin may vary 10- fold or even 100 fold computed yields on the basis of dandy Bolton formulae with 50 fold the sediment yield is 16,200,000Cu.m
- The Annual replenished sand in Chandan river is 16,200,000 Cu.m(as per DSR Balaghat issued by DGM)
- hence it is concluded that the annual production capacity 81,024 Cu.m Which will be excavated at the quarry lease area will be replenished during monsoon season

Plantation

Afforestation will be taken up in the along River Bank and Approach road, along the river banks, as per submitted scheme.

Revised production plan:

The production has been reduced from 1,27,619 cu.m/annum to 81,024 cu.m/annum due to the presence of submerged area in the lease.

Production Plan of SINGODI SAND QUARRY		
Sanctioned Lease area	8.396	Ha
Area under submerged area & blocked area	3.33	Ha
Effective Minalable area	5.06	Ha
Depth of Mine	1.6	m
Achieved Production	81024	cu.m

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

1. Revised surface plan with evacuation routes and non- mining area due to partial submergence of lease in water.
2. Commitment that before mining operations opinion of local fisheries department will be obtained about any critical habitat of aquatic fauna. If occurrence of any such fauna is reported, suitable protection measures shall be adopted by the PP as suggested by fisheries department.
2. Revised Plantation species as suggested by committee
3. Revised EMP as suggested by committee
4. Revised CER as suggested by committee.

PP vide their letter dated 08.02.2022 submitted query reply wherein PP submitted commitment stating that before mining, opinion of the District Fisheries Department Officer will be taken about the critical aquatic habitat of aquatic Fauna. Green belt/species of plantation has also been revised. The plantation will be done of the trees more than 1 m height in the first year only and the rest lease period the maintenance of the trees will be done.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 8.396 Ha. Capacity 81,024 cum per annum at Khasra No.- 650P, Village Singodi, Tehsil - Waraseoni Dist. Balaghat Madhya Pradesh as per approved mine plan subject to the following special conditions and as per Annexure-“B”

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. The proposed plantation scheme should be carried out within 01 year and PP would maintain the plants for rest lease period including casualty replacement.
5. Plantation along the project boundary shall be carried out using tall saplings of minimum 01 meter height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 12,600 trees shall be planted on safety zone, banks of the lease area and along the transportation route, nearby school and distribution of the saplings to local farmers.
6. Transportation of sand shall be done in covered vehicles.
7. Transportation of sand shall not be carried out through forest area.
8. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

9. Appropriate and submitted activities shall be taken up for social up-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.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. The commitments made in the public hearing are to be fulfilled by the PP.
12. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
13. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs 18,29,300 is proposed and Rs 8,12,300 per year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. No	Description	Cost to be Incurred		Affected village
		Capital	Recurring	
1.	Provision of LPG under Ujjwala Yojna	96000	0	Village Singodi
2.	Construction of 2 toilets in Madhyamik School at 4.95 Km away from mine site.	40000	10000	Village Singodi
3.	Repair and Maintenance of the Sai mandir, Jaliwada at 3.38 Km from mine site	100000	10000	Village- Singodi
4	Dental Camps, Health Checkup Camps	1,50,000	0	Village- Singodi
5	Levelling of school playground nearby mine site	50000	10000	Village- Singodi
6	Provision of Katang Bamboo, Nagarmotha , Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area.	25000		Village- Singodi
	Total	4,61,000/-	30,000/-	

3. Priority for Katang Bamboo & Khas Grass should be given.
4. 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.

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

3. Case No. 8304/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 12.416 ha. (228000 cum per annum) (Khasra No. 255 Part), Village - Katangtola, Tehsil - Waraseoni, Dist. Balaghat (MP) Env. Consultant Shri Krishan Chandra Panda from M/s. Oceao Enviro Management Solution (India) Pvt. Ltd., Ghaziabad (U.P.)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 255 Part), Village - Katangtola, Tehsil - Waraseoni, Dist. Balaghat (MP) 12.416 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. 2871 dated 25/9/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 488th SEAC dated 10/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env.

Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered. Following are the points where information found mismatched in the online submitted EIA report.

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Additional TOR Point.

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- Revised Chapter 3, as entire chapter is written in haphazard manner
- S.No. 6 (Page 1/10) Required information is not available in Section 4.2
- S.No. 6 (Page 1/10) Required information is not available in Section 4.4
- S.No. 6 (Page 1/11) Required information is not available in Section 4.5
- S.No. 6 (Page 1/11) Required information is not available in Section 4.3
- S.No. 7 (Page 1/11) Incomplete information
- S.No. 25 (Page 1/14) Report of soil profile?

2. In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked.
3. A revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

PP vide letter dated 19.01.2022 submitted revised copy of the EIA and same was sent through e-mail on dated 25.01.2022 to all members.

In this meeting the case was scheduled for EIA presentation, the EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining on River Chandan .

PP stated following points:

- The mine lease of river sand quarry on Chandan River is spread over an area of 12.416 Ha in Village_Katangtola, Tehsil -Waraseoni, Dist. Balaghat, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Shri Rajesh Pathak by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide No/696/132/2020/12/1 Dated 05/02/2021 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh Kramank/2807-A/ Khanan Yojna/20 ,dated 15/9/20 for a production capacity of : 2,28,000 M3 Per Annum.
- Cluster Certificate and NOC from Forest Department has been obtained for site Kramank/2871/Khanij Ret/2020 Dated 25/09/2020(Ekalpramanpatra) and Kramank/Ma. Chi./ 8206/Balaghat, Dated 14/11/14.
- Opencast Semi-mechanised and manually method for mining by scrapping in 1.8 m depth layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Chandan River

- The Chandan River- flowing from N to S (Major River)
- Flowing through Balaghat district.
- Chandan river surface water divides into 57 streams to Boundary of basin. The basin area is highly undulating with isolated hills and plans the ground slope from north to south and east to west (refer Ground Water Information Booklet, Balaghat District M.P.)
- The average rainfall= 839.52mm
- District receives most rainfall during July to September which leads to deposition of the sufficient quantity of sand every year within the old working area
- Dandy Bolton formulae has category stated used of the equation to predict sediment yield for a specific location(would not be always correct due to wide variability caused by local factors) not considered in the equation development
- Actual sediment yield from individual drainage basin may vary 10- fold or even 100 fold computed yields on the basis of dandy Bolton formulae with 50 fold the sediment yield is 16,200,000Cu.m

- The Annual replenished sand in Chandan River is 16,200,000 Cum (as per DSR Balaghat issued by DGM).
- Hence it is concluded that the annual production capacity 1,82,400 Cu.m Which will be excavated at the quarry lease area will be replenished during monsoon season

Plantation

Afforestation will be taken up in the along River Bank and Approach road as per submitted scheme.

Revised production plan:

The production has been reduced from 2,28,000 cu.m/annum to 1,82,400 cu.m /annum due to the presence of submerged area in the lease.

Production Plan of KATANGTOLA SAND QUARRY		
Sanctioned Lease area	12.416	Ha
Area under submerged area & blocked area	2.28	Ha
Effective Minalable area	10.13	Ha
Depth of Mine	1.8	m
Achieved Production	1,82,400	cu.m

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

1. Revised surface plan with evacuation routes and non- mining area due to partial submergence of lease in water.
2. Commitment that before mining operations opinion of local fisheries department will be obtained about any critical habitat of aquatic fauna. If occurrence of any such fauna is reported, suitable protection measures shall be adopted by the PP as suggested by fisheries department.
2. Revised Plantation species as suggested by committee
3. Revised EMP as suggested by committee
4. Revised CER as suggested by committee.

PP vide their letter dated 08.02.2022 submitted query reply, which was placed before the committee PP submitted updated EMP budget with the provisions as suggested by the committee. PP also furnished a commitment stating that before mining, opinion of the District Fisheries Department officer will be taken about the critical aquatic habitat of aquatic Fauna. Green belt/species of plantation has also been revised. The plantation

will be done of the trees more than 01 m height in the first year only and the rest lease period the maintenance of the trees will be done.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 12.416 ha. Capacity 1,82,400 cum per annum at Khasra No. 255 Part, Village - Katangtola, Tehsil - Waraseoni, Dist. Balaghat, Madhya Pradesh as per approved mine plan subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

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

B. MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.

4. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
5. The proposed plantation scheme should be carried out within 01 year and PP would maintain the plants for rest lease period including casualty replacement.
6. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 01 meter 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 18627 trees shall be planted on safety zone, banks of the lease area and along the transportation route, nearby school and distribution of the saplings to local farmers.
7. Transportation of sand shall be done in covered vehicles.
8. Transportation of sand shall not be carried out through forest area.
9. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
10. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
11. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
12. The commitments made in the public hearing are to be fulfilled by the PP.
13. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
14. PPE's such as helmet, earmuffs etc should be provide to the workers during mining operations.

C. ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs 23,77,880 is proposed and Rs 7,84,379 per year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. No	Description	Cost to be Incurred		Affected village
		Capital	Recurring	
1.	Provision of LPG under Ujjwala Yojna. 3 LPG Cylinder per year for	96000	0	Village: Katangtola

	32 labourer @ Rs.1000 per cylinder.			
2.	Construction of 2 toilets in Govt. Senior Secondary School at 1.51 Km away from mine site Katangtola.	90000	10000	Village: Katangtola
3.	Repair and Maintenance of the Nagdev mandir at 0.97 Km from mine site.	75000	10000	Village: Katangtola
4	Dental Camps, Health Checkup Camps Per Year for three year.	1,50,000	0	Village: Katangtola
5	Leveling of school play ground nearby mine site.	25000	10000	Village: Katangtola
6	Provision of Katang Bamboo, Nagarmotha , Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area.	25000	0	Village: Katangtola
	Total	4,61,000/-	30,000/-	

3. Priority for Katang Bamboo & Khas Grass should be given.
4. 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.
5. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

4. Case No 8306/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 8.869 ha. (159493 cum per annum) (Khasra No. 1014 Part), Village - Rampayali, Tehsil - Waraseoni, Dist. Balaghat (MP) Env. Consultant Shri Krishan Chandra Panda from M/s. Oceao Enviro Management Solution (India) Pvt. Ltd., Ghaziabad (U.P.)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1014 Part), Village - Rampayali, Tehsil - Waraseoni, Dist. Balaghat (MP) 8.869 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. 2872 dated: 25/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 488th SEAC dated 10/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered.

Following are the points where information found mismatched in the online submitted EIA report.

1. Shortcomings in the on line submitted EIA Report

- S.No. 4 (Page 1/9) Required information is not available in Figure 2.1 (Page II/5)
- S.No. 22 (Page 1/14) Required information is not available in Figure 3.1 (Page III/2)
- S.No. 22 (Page 1/14) Required information is not available in Figure 3.2 (Page III/6)

Other Points to be Addressed

- S.No. 1 (Page 1/22) Figure 3.11 is not available in the EIA
Entire Chapter 3 is written in haphazard manner
- S.No. 2 (Page 1/22) Figure 3.11 is not available in the EIA
- S.No. 6 (Page 1/21) Required information is not available in Section 4.4
- S.No. 7 & 8 Not mentioned in EIA report.
- **General Conditions**
- S.No. 25 (Page 1/14) Soil profile of lease area??

2. In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked.
3. A revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

PP vide letter dated 19.01.2022 submitted revised copy of the EIA and same was sent through e-mail on dated 25.01.2022 to all members.

In this meeting the case was scheduled for EIA presentation, the EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining on River Chandan . During presentation as per Google image based on coordinates provided by PP the it was observed that a road bridge is located 145 m in the north side hence, prescribed distance shall be maintained in lease from bridge as per Enforcement & Monitoring Guidelines for Sand Mining, 2020.

PP stated following points:

- Sand Quarry Mining Project on Chandan River is spread over an area of 8.869Ha in Village: Rampayali, Tehsil- Waraseoni, Dist- Balaghat, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/S Shri Rajesh Pathak by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide kramank/694/132/2020/12/1 Bhopal dated 05/02/2021 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. Kramank 2808/ KhananYojna/20 Balaghat dated 15/9/20. for a production capacity of 1,59,493 M3 Per Annum
- Cluster Certificate and NOC from Forest Department has been obtained for site vide Kramank 2872/Khanij Ret/2020 Date 25/09/2020 (Ekal praman patra) and Kramank/Ma. Chi./8208 Balaghat dated 14/11/14
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.8 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.

- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Chandan River

- The Chandan River- flowing from N to S (Major River)
- Flowing through Balaghat district.
- Chandan river surface water divides into 57 streams to Boundary of basin. The basin area is highly undulating with isolated hills and plans the ground slope from north to south and east to west (refer Ground Water Information Booklet, Balaghat District M.P.
- The average rainfall= 839.52mm
- District receives most rainfall during July to September which leads to deposition of the sufficient quantity of sand every year within the old working area
- Dandy Bolton formulae has category stated used of the equation to predict sediment yield for a specific location (would not be always correct due to wide variability caused by local factors) not considered in the equation development
- Actual sediment yield from individual drainage basin may vary 10- fold or even 100 fold computed yields on the basis of dandy Bolton formulae with 50 fold the sediment yield is 16,200,000 Cu.m
- The Annual replenished sand in Chandan river is 16,200,000 Cu.m (as per DSR Balaghat issued by DGM).
- Hence it is concluded that the annual production capacity 33,577 Cu.m maximum upto Which will be excavated at the quarry lease area will be replenished during monsoon season.

Plantation

Afforestation will be taken up in the along River Bank and Approach road as per submitted scheme.

Revised production plan:

The production has been reduced from 1,59,493 cu.m/annum to 33,577 cu.m/annum due to the presence of submerged area in the lease at the southern part & setback of 500 m is blocked at the Northern part of the river as the lease comes downstream of the bridge.

Production Plan of RAMPAYALI SAND QUARRY		
Sanctioned Lease area	8.869	Ha
Area under submerged area & blocked area	7.00	Ha
Effective Minable area	1.87	Ha
Depth of Mine	1.8	m
Achieved Production	33577	cu.m

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

1. Revised surface plan with evacuation routes and non- mining area due to partial submergence of lease in water.
2. Commitment that before mining operations opinion of local fisheries department will be obtained about any critical habitat of aquatic fauna. If occurrence of any such fauna is reported, suitable protection measures shall be adopted by the PP as suggested by fisheries department.
2. Revised Plantation species as suggested by committee
3. Revised EMP as suggested by committee
4. Revised CER as suggested by committee.

PP vide their letter dated 08.02.2022 submitted query reply which was placed before the committee. PP also furnished a commitment stating that before mining, opinion of the District Fisheries Department officer will be taken about the critical aquatic habitat of aquatic Fauna. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Sand Quarry in an area of 8.869 Ha., capacity 33,577 cum per annum at Khasra No.- 1014P, Village – Rampayali, Tehsil: Waraseoni, Dist. Balaghat Madhya Pradesh as per approved mine plan subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

1. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area

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

(B) MINING OPERATIONAL PHASE

1. Mining shall be carried out as per approved mine plan.
2. No intermediate stacking is permitted at the mine site.
3. Overhead sprinklers shall be provided in mine.
4. The proposed plantation scheme should be carried out within 01 year and PP would maintain the plants for rest lease period including casualty replacement.
5. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
6. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 01 meter 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 13302 trees shall be planted on safety zone, banks of the lease area and along the transportation route, nearby school and distribution of the saplings to local farmers.
7. Transportation of sand shall be done in covered vehicles.
8. Transportation of sand shall not be carried out through forest area.
9. For dust suppression overhead sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

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

(C) ENTIRE LIFE OF THE PROJECT

1. In the proposed EMP, capital cost is Rs. 17,89,880 is proposed and Rs.7,82,000 Per Year as recurring expenses.
2. Under CER activity, following activities are proposed based public hearing issues.

Sr. No	Description	Cost to be Incurred		Affected village
		Capital	Recurring	
1.	Provision of LPG under Ujjwala Yojna	96000	0	Village: Rampayali
2.	Construction of 2 toilets in Govt. Senior Secondary School, Rampayali from 1.51 Km away from mine site.	40000	10000	Village: Rampayali
3.	Repair and Maintenance of the Ancient Ram Temple, Rampayali at 1.30 Km from mine site	100000	10000	Village: Rampayali
4	Dental Camps, Health Checkup Camps in village Rampayali	1,50,000	0	Village: Rampayali
5	Levelling & Maintenance of school play ground nearby mine site	50000	10000	Village: Rampayali
6	Provision of Katang Bamboo, Nagarmotha , Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area.	25000	0	Village: Rampayali
	Total	4,61,000/-	30,000/-	

3. Priority for Katang Bamboo & Khas Grass should be given.
 4. 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 mitigativemeasures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
 5. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
5. **Case No 8305/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 8.565 ha. (130188 cum per annum) (Khasra No. 75 Part), Village - Jagpur, Tehsil - Waraseoni, Dist. Balaghat (MP) Env. Consultant Shri Krishan Chandra Panda from M/s. Oceao Enviro Management Solution (India) Pvt. Ltd., Ghaziabad (U.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 75 Part), Village - Jagpur, Tehsil - Waraseoni, Dist. Balaghat (MP) 8.565 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. 2873 dated 25/9/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 488th SEAC dated 10/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information.

Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered.

Following are the points where information found mismatched in the online submitted EIA report.

1. Shortcomings in the on line submitted EIA Report

- S.No. 4 (Page 1/9) Required information is not available in Figure 2.1 (II/3)
- S.No. 4 (Page 1/9) Figure 3.10 is not available in EIA report
- S.No. 5 (Page 1/9) Figure 3.10 is not available in EIA report
- S.No. 10 (Page 1/11) Figure 3.10 is not available in EIA report
- S.No. 22 (Page 1/14) Figure 3.1 is not available in the EIA
- S.No. 22 (Page 1/14) Figure 3.3 is not available in the EIA
- S.No. 24 (Page I/15) Required information is not available in Table 2.7 (Page II/23)

Additional TOR Point

- S.No. 1.(Page 1/8) No sand evacuation route Map is available?
- Check section 2.9 of all EIA.

Other Points to be Addressed

- S.No. 1 (Page 1/22) Figure 3.11 is not available in the EIA
- **Entire Chapter 3 is written in haphazard manner**
- S.No. 6 (Page 1/22) required information is not available in Section 4.4
- S.No. 7 & 8 Not mentioned in EIA report

General Conditions

- S.No. 25 (Page 1/14) No report of soil profile available on Annexure IX
2. In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked.
 3. A revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

PP vide letter dated 19.01.2022 submitted revised copy of the EIA and same was sent through e-mail on dated 25.01.2022 to all members.

In this meeting the case was scheduled for EIA presentation, the EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited, Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining on River Wainganga.

PP stated following points:

- Sand Quarry Mining Project on Wainganga River is spread over an area of 8.565 Ha in Village –Jagpur,, Tehsil- Waraseoni, Dist- Balaghat, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/S Shri Rajesh Pathak by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Kramank/704/132/2020/12/1 Bhopal dated 05/02/2021 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. PrasthKramank/2806-A/KhananYojna dated 15/9/20 for a production capacity of 1,30,188 M3 Per Annum
- Cluster Certificate and NOC from Forest Department has been obtained for site vide 2873/Khanij Ret/2020, Dated 25/09/2020. (Ekal praman patra) and Prasth Kramank/Ma.Chi./8033 dated 07/11/2014
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.60 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- River

The River- flowing from N to S (Major River) flowing from the Malwa region of Madhya Pradesh state. It originates on the Malwa Plateau in Vidisha district and flows north-northeast through the districts of Guna, Ashoknagar, Shivpuri, Datia, Gwalior and Bhind in Madhya Pradesh to join Yamuna river in Etawah district in Uttar Pradesh, just after the confluence of the Chambal river with the Yamuna river. It plays a major role in the irrigation system of the state.

- The total length of the river is 470 km. out of which 461 km are in Madhya Pradesh and about 9 km are in Uttar Pradesh. The major tributaries of Sindh River

are Kunwari, Pahuj, Parbati and Mahuar. Total catchment area of the river in Madhya Pradesh is 26699 km². Chandan River comes in Kunwarisindh sub-sub basin.

- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Balaghat district is 668.3 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula the Sediment Yield is 16716700.56 M. tons/Year.
- Actual sediment yield from individual drainage basin may vary 10- fold or even 100 fold computed yields on the basis of dandy Bolton formulae with 50 fold the sediment yield is 16,200,000 Cu.m.
- The Annual Replenished Sand in Chandan River is 16,200,000 Cu.m (asper DSR Balaghat issued by DGM)
- Hence it is concluded that the annual production capacity (1,30,188 M3 Per Annum) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

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

1. Surface plan with evacuation routes.
2. Commitment that before mining operations opinion of local fisheries department will be obtained about any critical habitat of aquatic fauna. If occurrence of any such fauna is reported, suitable protection measures shall be adopted by the PP as suggested by fisheries department.
3. Revised Plantation species as suggested by committee
4. Revised EMP as suggested by committee
5. Revised CER as suggested by committee.

PP vide their letter dated 08.02.2022 submitted query reply which was placed before the committee PP submitted updated EMP budget with the provisions as suggested by the committee. PP also furnished an commitment stating that before mining, opinion of the District Fisheries Department officer will be taken about the critical aquatic habitat of aquatic Fauna. Green belt/species of plantation has also been revised. The plantation will be done of the trees more than 1 m height in the first year only and the rest lease period the maintenance of the trees will be done.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Prior Environment Clearance for Prior Environment Clearance for Sand Quarry in an area of 8.565Ha., Capacity 1,30,188 cum/annum at Khasra No.-75 P), Village – Jagpur, Tehsil:Waraseoni, Dist. Balaghat Madhya Pradesh as per approved mine plan subject to the following special conditions and as per Annexure-B:

(A)PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

10. Mining shall be carried out as per approved mine plan.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out within 01 year and PP would maintain the plants for rest lease period including casualty replacement.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 01 meter 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 12843 trees shall be planted on safety zone, banks of the lease area and along the transportation route, nearby school and distribution of the saplings to local farmers.
16. Transportation of sand shall be done in covered vehicles.
17. Transportation of sand shall not be carried out through forest area.
18. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
19. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
20. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
21. The commitments made in the public hearing are to be fulfilled by the PP.
22. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
23. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

24. In the proposed EMP, capital cost is Rs. 18,39,020 is proposed and Rs.7,82,000 Per Year as recurring expenses.
25. Under CER activity, following activities are proposed based public hearing issues.

Sr. No	Description	Cost to be Incurred		Affected village
		Capital	Recurring	
1.	Provision of LPG under Ujjwala Yojna	96,000	0	Village Chhinditola, Gonglai 0.4 km W
2.	Construction of 2 toilets in Govt. Senior Secondary School at 1.79 Km away from mine site Jagpur.	40,000	10,000	Village Chhinditola, Gonglai
3.	Repair and Maintenance of the Saket Bihari mandir at 2.07 Km from mine site	75000	10,000	Village Chhinditola, Gonglai
4	Dental Camps in village Jagpur	1,50,000	0	Village Chhinditola, Gonglai
5	Levelling of school play ground near by mine site	75000	10,000	Village Chhinditola, Gonglai
6	Provision of Katang Bamboo, Nagarmotha , Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area.	25000	0	Village Chhinditola Gonglai
7	Adoption for Wildlife for conservation of Tigers in Kanha National Park through the field Director.	200000	0	Kanha National Park
	Total	6,61,000/-	30,000/-	

26. Priority for Katang Bamboo & Khas Grass should be given.

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

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

6. Case No 8303/2021 Shri Rajesh Pathak, R/o, Ward No. 15, Baihar Road, Dist. Balaghat, MP - 481111 Prior Environment Clearance for Sand Quarry in an area of 10.0 ha. (152000 cum per annum) (Khasra No. 574 Part), Village - Sarandi, Tehsil - Waraseoni, Dist. Balaghat (MP) Env. Consultant Shri Krishan Chandra Panda from M/s. Oceao Enviro Management Solution (India) Pvt. Ltd., Ghaziabad (U.P.)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 574 Part), Village - Sarandi, Tehsil - Waraseoni, Dist. Balaghat (MP) 10.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2870 dated:25/9/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited, Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining. During presentation committee observed that in the online Form-II and other submissions in the EIA report have not correctly matched with the mentioned points/information. Committee takes this matter seriously and informed Env. Consultant to carefully upload EIA and avoid any such error in document uploading in future and asked Env. Consultant to submit entire copy of fresh EIA report which should properly match with mentioned serial numbers and contents. Then after the case shall be further considered. Following are the points where information found mismatched in the online submitted EIA report.

1. Shortcomings in the on line submitted EIA Report

- S.No. 4 (Page 1/9) Required information is not available in Figure 2.1 (II/4)

- S.No. 4 (Page 1/9) Required information is not available in Figure 3.6 (III/19)
- S.No. 10 (Page 1/11) Required information is not available in Figure 3.6 (III/19)
- S.No. 22 (Page 1/14) Required information is not available in Figure 3.1 (III/6)
- S.No. 24 (Page I/15) Required information is not available in Table 2.7 (Page II/26)

Additional TOR Point

- S.No. 1.(Page 1/8) No sand evacuation route Map is available?
- Check section 2.9 of all EIA

Other Points to be Addressed

- S.No. 6 (Page 1/22) Required information is not available in Section 4
- S.No. 7 & 8 Not mentioned in EIA report

Entire Chapter 3 is written in haphazard manner

- S.No. 6 (Page 1/22) required information is not available in Section 4.4
- S.No. 7 & 8 Not mentioned in EIA report

General Conditions

- S.No. 25 (Page 1/14) No report of soil profile available on Annexure IX
2. In the revised EIA report all the chapters, sections, tables and figure numbers should be thoroughly checked.
 3. A revised copy of the EIA should be submitted to all members either through SEAC or by post. The copy must reach at least 10 days prior to the meeting scheduled for this case.

PP vide letter dated 19.01.2022 submitted revised copy of the EIA and same was sent through e-mail on dated 25.01.2022 to all members.

In this meeting the case was scheduled for EIA presentation, the EIA was presented by Env. Consultant Mr. Krishan C. Panda from M/s. OCEAO-ENVIRO Management Solutions (India) Private Limited , Gaziabad U.P. on behalf of PP. The Committee observed that this is a case of a river sand mining on River Chandan .

PP stated following points:

- Sand Quarry Mining Project on Chandan River is spread over an area of 10.0 Ha in Village –Sarandi, Tehsil- Waraseoni, Dist- Balaghat, State - Madhya Pradesh.

- The Letter of Intent for the lease has been granted to Project Proponent M/S Shri Rajesh Pathak by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Kramank/698/132/2020/12/1/ Bhopal dated 05/02/2021 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director DGM, Bhopal, Madhya Pradesh vide letter no. PrasthKramank/2804-A/KhananYojna Balaghat dated 15/09/2020 for a production capacity of 1,52,000 M3 Per Annum
- Cluster Certificate and NOC from Forest Department has been obtained for site vide Kramank/2870/Khanij Ret/2020 dated 25/09/2020 (Ekal Praman Patra) and Kramank/Ma.Chi/8223/Balaghat Dated 14/11/2014
- Opencast Semi-mechanized and manually method for mining by scrapping in 1.6 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Chandan River

- The Chandan River- flowing from N to S (Major River)
- Flowing through Balaghat district.
- Chandan river surface water divides into 57 streams to Boundary of basin. The basin area is highly undulating with isolated hills and plans the ground slope from north to south and east to west (refer Ground Water Information Booklet, Balaghat District M.P.
- The average rainfall= 839.52mm
- District receives most rainfall during July to September which leads to deposition of the sufficient quantity of sand every year within the old working area
- Dandy Bolton formulae has category stated used of the equation to predict sediment yield for a specific location (would not be always correct due to wide variability caused by local factors) not considered in the equation development
- Actual sediment yield from individual drainage basin may vary 10- fold or even 100 fold computed yields on the basis of dandy Bolton formulae with 50 fold the sediment yield is 16,200,000 Cu.m

- The Annual replenished sand in Chandan river is 16,200,000 Cu.m (*as per DSR Balaghat issued by DGM*)
- Hence it is concluded that the annual production capacity 1,52,000 Cu.m Which will be excavated at the quarry lease area will be replenished during monsoon season

Plantation

Afforestation will be taken up in the along River Bank and Approach road as per submitted scheme.

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

1. Surface plan with evacuation routes.
2. Commitment that before mining operations opinion of local fisheries department will be obtained about any critical habitat of aquatic fauna. If occurrence of any such fauna is reported, suitable protection measures shall be adopted by the PP as suggested by fisheries department.
3. Revised Plantation species as suggested by committee
4. Revised EMP as suggested by committee
5. Revised CER as suggested by committee.

PP vide their letter dated 08.02.2022 submitted query reply which was placed before the committee in this meeting PP submitted updated EMP budget with the provisions as suggested by the committee. PP also furnished an commitment stating that before mining, opinion of the District Fisheries Department officer will be taken about the critical aquatic habitat of aquatic Fauna. As the lease area touched both side of the banks of the river a provision of setback of 25 m from the west side of the river bank has been blocked. PP committed that only East side of the lease will be used for the mining along with two evacuation route on the west side of lease. Green belt/species of plantation has also been revised. The plantation will be done of the trees more than 1 m height in the first year only and the rest lease period the maintenance of the trees will be done.

The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Sand Quarry in an area of 10.0 ha., Capacity 1,52,000 M3 Per Annum at Khasra No.- 574 P, Village – Sarandi, Tehsil - Waraseoni, Dist. Balaghat Madhya Pradesh as per approved mine plan subject to the following special conditions and as per Annexure-B:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

10. Mining shall be carried out as per approved mine plan.
11. No intermediate stacking is permitted at the mine site.
12. Overhead sprinklers shall be provided in mine.
13. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
14. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 01 meter height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 15000 trees shall be planted on safety zone, banks of the lease area and along the transportation route, nearby school and distribution of the saplings to local farmers.
15. Transportation of sand shall be done in covered vehicles.

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

(C) ENTIRE LIFE OF THE PROJECT

23. In the proposed EMP, capital cost is Rs.22,06,300 is proposed and Rs.8,59,600 per year as recurring expenses.
24. Under CER activity, following activities are proposed based public hearing issues.

Sr. No	Description	Cost to be Incurred		Affected village
		Capital	Recurring	
1.	Provision of LPG under Ujjwala yojana	96,000	0	Village Sarandi
2.	Construction of 2 toilets in Govt. Primary School, Nayatola at 5.19 Km, away from mine site	90000	10,000	Village Sarandi
3.	Repair and Maintenance of the Sai Baba mandir Chandori at 0.78 Km from mine site	100000	10,000	Village Sarandi
4	Dental Camps, Health Checkup Camps	1,50,000	0	Village Sarandi
5	Leveling of school play ground nearby mine site	100000	10,000	Village Sarandi
6	Provision of Katang Bamboo, Nagarmotha , Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area.	25000	0	Village Sarandi
7	Adoption for Wildlife for conservation of Tigers in Kanha National Park	150000	0	Kanha National Park

	through the field Director.			
	Total	7,11,000/-	30,000/-	

25. Priority for Katang Bamboo & Khas Grass should be given.

26. 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.

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

7. **Case No 8913/2022 Smt. Bharti Yadav, Lessee, House No. 162, Village - Mangeli, Post - Nigri, Dist. Jabalpur, MP Prior Environment Clearance for Stone & Murrum Quarry in an area of 2.0 ha. (Stone - 9718 Cum per annum, Murrum - 3523 Cum per annum) (Khasra No. 24/2 Part), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) Env. Consultant Ambiantal Global Private Ltd., Ghaziabad (U.P.)**

This is case of Stone & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 24/2 Part), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

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

8. **Case No 8912/2022 M/s V.K. Enterprises, Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP), MP Prior Environment Clearance for Stone & M-Sand Quarry in an area of 4.0 ha. (Stone - 30000 Cum per annum, M-sand - 20000 Cum per annum) (Khasra No. 438, 465, 466, 467, 470), Village - Pitawali, Tehsil - Dewas, Dist. Dewas (MP) Env. Consul. Shri Ram Raghav from M/s. GREEN CIRCLE, INC., Vadodara,**

This is case of Stone & M-Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 438, 465, 466, 467, 470), Village -

Pitawali, Tehsil - Dewas, Dist. Dewas (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Ram Raghav from M/s. GREEN CIRCLE, INC., Vadodara, on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 2717 dated 31/12/21 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 15.72 ha., including this mine.

Being it's a case Stone and M-sand Quarry with total area of 15.72 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:-

- Inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then its proper management plan it should be clearly addressed in EIA.
- Protection plan w.r.t. settlement which is in the North –East side and natural drain at a distance of 129m.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA.
- Soil analysis along with soil profile study should conduct of within lease and study area.
- PP commitment that M- sand shall be processed through VSK technology with layout on surface map.

9. Case No 8915/2021 M/s Sankalp Stone Crusher, Prop Shri Salil Mishra, Bajrang Nagar, Tehsil - Huzur, Dist. Rewa MP - 486001 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (9000 Cum per annum) (Khasra No. 338), Village - Darhi, Tehsil - Huzur, Dist. Rewa (MP) RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Bhopal

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 338), Village - Darhi, Tehsil - Huzur, Dist. Rewa (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma, Bhopal on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 6367 dated 08/12/21 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 02.81 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	-	Tree management plan
Pucca Road	203	NE	Three rows of Plantation towards road side.
Natural Drain	101	SW	Provision of Garland drain & settling tanks.
Kachha Road	Adjacent	SW	During presentation stated 50 m setback will be left from village kaccha road as non-mining zone in SW portion of ML.
Human settlement	416	SE	Three rows of plantation.
Stop dam	265	SW	Provision of Garland drain & settling tanks.

During presentation stated 50 m setback will be left from village kaccha road as non-mining zone in SW portion of ML. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the

case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.9.06 Lakh as capital and Rs. 03.15 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

<u>For Social Welfare (in terms of Physical activities)</u>	
- Distribution of 250 fruits bearing & fodder trees like Orange, amla, Kathal, Munga, Papaya and Mango etc to villagers for planting. (for 190 household)	~12,500/- ~10,000/-
- Distribution of Masks (800nos for 190 household) and Sanitizers (200nos) to villagers of Darhi due to Covid-19.	
Total	~22,500/-

10. Case No 8910/2021 M/s Gouri Granite, Shri Jayant Sharma, Partner, Plot No. C.S. Veer Avas, Gram - Khurairi, Murar, Dist. Gwalior, MP - 474006 Prior Environment Clearance for Stone Quarry in an area of 3.240 ha. (2,05,010 Cum per annum) (Khasra No. 429, 437, 438, 440), Village - Atarsoha, Tehsil - Mau, Dist. Bhind (MP) RQP Shri Ram Vishal Shukla

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 429, 437, 438, 440), Village - Atarsoha, Tehsil - Mau, Dist. Bhind (MP) 3.240 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No.

4526 dated 02/11/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	85 & 85	East & North	Three rows of Plantation towards road side.
Human settlement	175	SE	25 set back with provision of three rows of plantation.
Natural drain	235	SE	Provision of Garland drain & settling tanks.

During presentation PP has showed production map showing 25 set back wrt human settlement. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2,05,010 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.24.60 Lakh as capital and Rs. 05.78 Lakh/year.
3. As proposed, a minimum of 4000 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

FOR SOCIAL WELFARE (Please provide physical targets only)		
S. No.	Activity	Cost
1.	2 Computers with table and handpump installation with construction of its periphery and haud in Govt. Secondary school of Atarsoha village	1,50,000
2.	20 Shady trees (Kadamb, Kachnar, Karanj, Arjun, Bahunia etc.) will be planted along the boundary wall of Govt. Secondary school of Atarsoha village	5,000

TOTAL	1,55,000.00
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11. Case No 8914/2021 M/s New Surya Minerals, Shri Shakti Bundela, 351, Behind Police Station, Bamnore Kalan, Tehsil - Ghuwara, Dist. Chhatarpur, MP - 471525 Prior Environment Clearance for Stone & M-Sand Quarry in an area of 2.0 ha. (Stone- 14474 Cum per annum, M-sand - 10526 Cum per annum) (Khasra No. 47, 48, 61), Village - Kundajani, Tehsil - Bakaswaha, Dist. Chhatarpur (MP) RQP Shri Ram Vishal Shukla

This is case of Stone & M-Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 47, 48, 61), Village - Kundajani, Tehsil - Bakaswaha, Dist. Chhatarpur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 5020 dated 29/09/21 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	30	East	No public road, Three rows of Plantation towards road side.
Pucca Road	>500	SW	Three rows of Plantation towards road side.
Isolated houses	>300	NE	Three rows of plantation.

During presentation PP submitted that VSK based M-sand plant will be established. After presentation the committee asked to submit following details:

- Commitment from PP that plantation shall be carried out within 02 years.

PP has submitted the response of above quarries same date vide letter dated 10.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone- 14,474 Cum per annum & M-sand – 10,526 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.13.87 Lakh as capital and Rs. 04.20 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

1. FOR SOCIAL WELFARE (Please provide physical targets only)		
S. No.	Activity	Cost
1.	Sports kit, 2 almirah and 5 wooden chairs in Govt. High school of Gadhisemra village	1,50,000
2.	20 Shady trees (Kadamb, Kachnar, Amla, Karanj, Neem etc.) will be planted along the boundary wall of Govt. Primary school of Kundajani village	5,000
TOTAL		1, 55,000/-

12. Case No 8918/2021 Smt. Bhato Adivasi W/o Shri Ramjilal Aadiwasi, Village - Balarpur, Tehsil & Dist. Shivpuri, MP - 473551 Prior Environment Clearance for Flagstone Quarry in an area of 1.34 ha. (10017 Cum per annum) (Khasra No. 1/3), Village - Arjungawakalan, Tehsil - Shivpuri, Dist. Shivpuri (MP) RQP Shri Ram Vishal Shukla

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1/3), Village - Arjungawakalan, Tehsil -

Shivpuri, Dist. Shivpuri (MP) 1.34 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 2610 dated 23/12/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

PP submitted that since it is a Flagstone Quarry, no blasting and drilling is proposed. Mining shall be through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	110	SE	Three rows of plantation.
Trees	Within lease	North	Tree management plan
River	>500	South & SW	Provision of Garland drain & settling tanks.

PP further submitted that tree occupied area shall be dealt as non- mining area. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flag Stone- 10,017 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.13.09 Lakh as capital and Rs. 03.82 Lakh/year.
3. As proposed, a minimum of 1700 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

	FOR SOCIAL WELFARE (Please provide physical targets only)	
S. No.	Activity	Cost
1.	Sports kit, 2 almirah and 5 wooden chairs in Govt. High school of Gadhisemra village	1,50,000
2.	20 Shady trees (Kadamb, Kachnar, Amla, Karanj, Neem etc.) will be planted along the boundary wall of Govt. Primary school of Kundajani village	5,000
TOTAL		1,55,000/-

13. Case No 8923/2021 M/s Parihar Stone Crusher, Prop. Shri Awadhesh Pratap Singh, Sinchai Colony, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 2.650 ha. (50,000 Cum per annum) (Khasra No. 650/1 Ka), Village - Bhanpur, Tehsil - Ajaigarh, Dist. Chhatarpur (MP) RQP Shri Ram Vishal Shukla

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 650/1 Ka), Village - Bhanpur, Tehsil - Ajaigarh, Dist. Chhatarpur (MP) 2.650 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 1692 dated 27/12/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, PP submitted that it was observed that lease is located on hillock. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Hutments	30	South east	Labour houses at 30m for which PP submitted that these are labour hutments of previous mine owner and not in use at present.

Trees	Within lease	-	Tree management plan
River	238	Souh	Provision of Garland drain & settling tanks.

PP submitted that mining shall be through Opencast Semi Mechanized Method. After presentation the committee asked to submit following details:

- PP Commitment that proposed plantation shall be carried out within 02 years.

PP has submitted the response of above quarries same date vide letter dated 08.02.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone-50,000 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.18.81 Lakh as capital and Rs. 04.66 Lakh/year.
3. As proposed, a minimum of 3200 trees shall be planted as per the submitted plantation scheme .
4. Under CER following activities were submitted by PP:

	FOR SOCIAL WELFARE	
S. No.	Activity	Cost
1.	1 Computer along with printer & table and Furniture's (10 wooden chairs and 10 benches) and haud in Govt. Secondary school of Bara kagre ka village	90,000
2.	20 Shady trees (Kadamb, Kachnar, Karanj, Arjun, Bahunia etc.) will be planted along the boundary wall of Govt. Secondary school of Bara kagre ka village	5,000

TOTAL	95,000/-
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14. Case No 8911/2021 Shri Wasim Khan Owner, R/o Dasgah Mohalla, Tehsil - Alot, Dist. Ratlam, MP - 457114 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (19950 Cum per annum) (Khasra No. 385/2/2), Village - Jeevangarh, Tehsil - Alot, Dist. Ratlam (MP) RQP Swati Namdeo

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 385/2/2), Village - Jeevangarh, Tehsil - Alot, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 5037 dated 22/10/21 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 5.0 ha., including this mine. As per Google image based on online KML file uploaded by PP, PP submitted that it was observed that lease is located on hillock. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	<250	South	Three rows of plantation.(also mentioned in the Ekal certificate)
05 Trees	Within lease	-	Tree management plan
River	238	Souh	Provision of Garland drain & settling tanks.
Pucca Road	455	West	Three rows of Plantation towards road side.

PP further stated that total 05 Shrubs of Jujube (Ber) are existing in mine lease area which are proposed for felling and we are committing that 20 trees will be planted as a causality replacement. After presentation the committee asked to submit following details:

- Plantation of prosopis seeds on the garland drain soil.

PP has submitted the response of above quarries same date vide letter dated 08.01.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone-19,950 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.10.63 Lakh as capital and Rs. 01.24 Lakh/year.
3. As proposed, a minimum of 2420 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

	FOR SOCIAL WELFARE (Please provide physical targets only)	
S. No.	Activity	Cost
1.	Construction of One 200 Sq.ft (10ft×20ft) classroom with electrification in Govt. Middle School situated at Village-Jeevangarh.	1.00 lakh

15. Case No 8921/2021 Shri Satyam Chourasiya S/o Shri Ashok Chourasiya, Panchmukhi Ward No. 5, Banda, Dist. Sagar, MP - 470117 Prior Environment Clearance for Flagstone Quarry in an area of 1.90 ha. (1451 Cum per annum) (Khasra No. 101, 102, 103), Village - Ratanpur, Tehsil - Shahgarh, Dist. Sagar (MP) Env. Global Management and Engineering Consultant International, Jaipur (Rj.)

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 101, 102, 103), Village - Ratanpur, Tehsil - Shahgarh, Dist. Sagar (MP) 1.90 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri G. K. Mishra on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 1428 dated 23/09/21 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.23 ha., including this mine. PP submitted that since it is a Flagstone Quarry, no blasting and drilling is proposed, mining shall be through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	257	West	Three rows of Plantation towards road side.
07 Trees	Within lease	N-S	No Tree felling is proposed.

It was further observed that in the DFO, letter vide no 1610 dated 30.06.2011 forest area is at a distance of approx. 62 meters from the lease boundary for which PP has obtained approval from Divisional Commissioner Level Forest Committee in their meeting dated 05.08.2021 with following conditions:

- Towards the forest boundary, within lease area 7.50 meter green belt shall be developed under the direction of the Divisional Forest Officer.
- Overburden will not be kept in the forest area, and will keep overburden only in the approved lease area.
- By getting the demarcation done in the presence of the staff of Revenue Department and Forest Department, Munare of cement concrete will be constructed all around the lease area.

After presentation committee asked PP to submit response on following issue:

1. PP commitment that no tree felling is proposed.
2. Revised Plantation scheme as suggested by committee.
3. Revised EMP as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 08.02.2022, which was placed before the committee and the same found satisfactory.

The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Flagstone 1451 cum. per annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.19 Lakh as capital and Rs. 02.18 Lakh/year.
3. As proposed, a minimum of 2280 trees shall be planted as per the submitted plantation scheme.
4. Towards the forest boundary, within lease area 7.50 meter green belt shall be developed under the direction of the Divisional Forest Officer.
5. Under CER activity, following activities are proposed based public hearing issues.

S.No.	FOR SOCIAL WELFARE:	Amount to be spent
1.	Construction of pucca Chabutra at Primary School Ratanpur (Size- 10' x 5')	15,000
	Providing 25 benches and 10 chairs in Primary School Ratanpur	30,000
	Providing swings in primary school Ratanpur – 1NOS.	5,000
	Total	50,000

16. Case No 8917/2021 Shri Kamal Agrawal S/o Shri Mannulal Agrawal, Ward No. 14, Shahpura, Dist. Dindori, MP - 481990 Prior Environment Clearance for Murrum Quarry in an area of 1.830 ha. (4000 Cum per annum) (Khasra No. 266, 267), Village - Banki Mal, Tehsil - Shahpura, Dist. Dindori (MP) RQP Shri Balraj Singh Choudhary

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 266, 267), Village - Banki Mal, Tehsil - Shahpura, Dist. Dindori (MP) 1.830 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Balraj Singh Choudhary on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 543 dated 09/12/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. As per Google image based on online KML file uploaded by PP it was observed that around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	81	East	Protection Plan
Canal	100	East	--
03 Trees	Within lease	-	Tree management plan
Human settlement	600	North East	Three rows of plantation.

After presentation committee asked PP to submit response on following issue:

1. Protection Plan wrt pucca road on east side .
2. Revised Plantation scheme as suggested by committee.
3. Revised CER- as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 08/02/2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the EMS 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 Murrum 4000 cum. per annum.

2. A budgetary provision for Environmental management Plan of Rs. 06.44 Lakh as capital and Rs. 01.42 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme.
4. Under CER activity, following activities are proposed based public hearing issues.

S.No.	FOR SOCIAL WELFARE:	Amount to be spent
1.	Plantation of 50 species of Neem, Maulshree, Putranjeeva, Kadam will be planted in school premises with Tree Guard and Name plate of species. @ 200 /species)	10,000.0
2.	Providing Computer & Printer to Village Middle School.	30,000.0
	Total	40,000.00

DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP/ PENDING SINCE LONG

- 17. Case No 8858/2021 Shri Aakash Sharma S/o Shri Anand Sharma, Village - Badagaon Jagir, Mohana, Dist. Gwalior, MP - 475330 Prior Environment Clearance for Flag Stone Quarry in an area of 1.673 ha. (5000 Cum per annum) (Khasra No. 1956/4/3/Min-1, 1956/4/4/Min-1, 1956/4/5/Min-1), Village - Badagaon, Tehsil - Ghatigaon, Dist. Gwalior (MP) RQP Nikita Prajapati and Mr. Sishupal Verma**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1956/4/3/Min-1, 1956/4/4/Min-1, 1956/4/5/Min-1), Village - Badagaon, Tehsil - Ghatigaon, Dist. Gwalior (MP) 1.673 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Nikita Prajapati and Mr. Sishupal Verma on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the

committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 9472 dated 13/11/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that Mining shall be carried out by Open cast manual method & No drilling & blasting required as it is Flagstone Quarry . As per Google image based on online KML file uploaded by PP, the lease is “L” shape type, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	37, 352 & 348	SE , N & West	Revise surface map showing appropriate set back wrt as per policy decision taken by SEIAA meeting 694th dated 26.11.2021 and issued vide no. 2590 dated 14.12.2021.
Kachcha Road	Crossing the lease	-	PP submitted this is not a kachha road .
Natural drain	100	East	Provision of garland drain & settling tank.
Pucca Road	180	South	Three rows of Plantation towards road with tree guard side.
Human settlement	370 & 400	South & South-West	Three rows of Plantation towards road with tree guard side.
Some house type structure	160	NW	Three rows of Plantation towards road side.

During presentation PP stated that a type of raw canal is existed at a distance of 37 m in the SE side is not a lined canal it is locally called a Barha/Paita . The committee asked PP to submit document/letter of competent authority regarding information of canal & kachha road then after their case shall be appraised.

PP vide their letter dated 18/01/2022 submitted query reply hard copy as well as on Ministry's Parivesh Portal. PP has submitted that –

- We have received a letter by the sub-divisional officer KTFC department Rehat sub-division Gwalior declaring that a barha/paita is there at the distance of ~37m in the SE side of the ML area which is not a main canal neither a sub-canal. The main canal is K.P canal which is at distance of ~355m in the north of the ML area.
- A combine site inspection by RES sub-engineer, Patwari, village sarpanch and sachiv was held in which it was concluded that the pagdandi (trail) which is passing from northern side of ML area is not mentioned in the record neither this route is kaccha road for public use. A combine spot inspection report stating the same and duly signed by the mentioned visited officer is submitted.

The query reply was discussed with PP and their consultant and the submissions made by the PP were found to be satisfactory and acceptable hence committee after deliberation found that the EMS 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 Flag Stone 5000 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.87 Lakh as capital and Rs. 03.32 Lakh/year.
3. As proposed, a minimum of 1500 trees shall be planted as per the submitted plantation scheme.
4. Towards the forest boundary, within lease area 7.50 meter green belt shall be developed under the direction of the Divisional Forest Officer.
5. Under CER activity, following activities are proposed based public hearing issues.

S.No.	FOR SOCIAL WELFARE:	Amount to be spent
1.	We will adopt Anganwadi of village Juda for one year and will bear its expenses.	1,25,000

18. Case No. – 7695/2020 M/s Vanshika Construction, Authorized Person, Shri Ramlal Jhariya, Deori Rajmarg, Dist. Narsinghpur, MP - 487661 Prior Environment Clearance for Sand Quarry in an area of 3.173 ha. (20760 cum per annum) (Khasra No. 64), Village - Lodhi, Tehsil - Gohparu, Dist. Shahdol, (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 64), Village - Lodhi, Tehsil - Gohparu, Dist. Shahdol, (MP) 3.173 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the

prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no. 2601 dated: 14/09/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation and discussion in 462nd SEAC dated 30/09/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Shri Manish Rao Kadam Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad (Telangana) & PP Shri Ramlal Jhariya in the 533 SEAC meeting dated 14-12-21.. PP stated that this is a case of river sand mining on Jhanpar River which is a tributary of Banas River . During presentation it was further observed by the committee that part of lease is submerged in water for which non mining zone shall be left for area which is under submergence. During presentation PP submitted following salient features of the lease:

- The mine lease of river sand mine on Chundi River is spread over an area of 3.173 ha in Village –Lodhi, Tehsil- Gohparu, Dist- Shahdol, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent Vanshika Construction by The Madhya Pradesh State Mining Corporation Limited, Bhopal vide letter no. kramank/ret/2020/506 Bhopal, dated - 28/01/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector, Shahdol, Madhya Pradesh vide letter no. Kramank 19/khanij/2020/2325 shahdol, Dated 13/08/2020 for a production capacity of 20,760 m³ per year.
- Cluster Certificate and NOC from Forest Department has been obtained for site vide letter no.kramank-19/khanij/2020/2601 Shahdol, dated 14/09/2020.
- Opencast Semi-mechanized and manually method for mining by scrapping in 2.0 m layers and loading on trucks/dumper will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land. The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers by the purchaser.

Replenishment Capacity- Chundi River

- Chundi River is the river of the shahdol District and located at the Northern Central part Shahdol District . It originates near village Bhadrwahi in the

Shahdol District. It flows east to west and meets Son River near village Bhamraha.

- The Chundi River which is 55 kilometres (22 mi) long. The catchment area of Chundi river is 532.12 km².
- On the basis of the geology and formations like shale, varieties of sandstone and Conglomerate, the catchment area is much favorable to generate large quantity of sand.
- The Average rainfall of Shahdol district is 1131.4 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields.
- On the basis of Dandy Bolton formula the Sediment Yield is 1310184 M. tons/Year.
- Hence it is concluded that the annual production capacity (20,760 cum in 3.173 ha) which will be excavated at the QL area will be replenished easily during monsoon season.

Plantation

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

The EIA was presented by Shri Manish Kadam & Ashish Gupta Env. Consl.- M/s. Ample Environ Pvt. Ltd. Hyderabad (Telangana) on behalf of PP in the 533rd SEAC meeting dated 14-12-21 wherein PP stated that this is a case of river sand mining on Chundi River. During presentation, PP submitted that monitoring was carried out during February to May, 20 as due to COVID-19 lockdown period scheduled monitoring of April, 20 could not be performed. During appraisal it was also observed by the committee that part of lease is submerged in water and another stream is joining the lease from the southern side thus setback / mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC. During appraisal it was observed by the committee that adjoining land is having vegetation cover and shall not be used for sand evacuation for its protection. After presentation and deliberation, PP was asked to submit following information:

1. PP commitment that water supply will be done through Panchayat after their approval.
2. Part of lease is submerged in water and another stream is joining the lease from the southern side thus setback / mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and revised surface plan shall be submitted.
3. Adjoining land is having vegetation cover and shall not be used for sand evacuation for its protection thus proposed sand evacuation route on Google map shall be approved by the competent district authority.
4. PP commitment that no mining will be carried out outside of allotted lease area as per the issue rose in public hearing.
5. Proposal for plantation on evacuation road where from evacuation of sand is proposed.
6. Revise plantation scheme & species with location –wise bifurcation as suggested by the committee.
7. EMP incorporating expenditure to be incurred on development sand evacuation route.
8. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 27/12/2021 uploaded online query reply and hard copy as well as on “Parivesh Portal”, wherein PP submitted following points:

- Revised surface map showing setback wrt part of lease is submerged in water and another stream is joining the lease from the southern side .
- Proposed sand evacuation route on Google map which is approved by Mining officer, Shahdol.
- Revised plantation scheme & species with location –wise bifurcation.

In this meeting the case was scheduled for query presentation in the 538th SEAC meeting dated 06.01.2022, during presentation committee observed that PP has submitted sand evacuation route on Google map, is approved by Mining officer, Shahdol while it has to be approved by competent district authority form Revenue department as from Tehsildar or SDM. Hence after deliberation committee asked PP to submit sand evacuation route on Google map shall be approved by the competent district authority as suggested then after their case shall be further considered.

PP vide their letter dated 05/01/2022 uploaded online query reply on “Parivesh Portal”, wherein PP submitted sand evacuation route on Google map which has approved by the Tehsildar Gohparu Tehsil - Dist. Shahdol, (MP) with remarks that the proposed evacuation route on Google map is out of forest boundary .

The query reply was discussed with PP and their consultant and the submissions made by the PP were found to be satisfactory and acceptable hence committee after deliberation found that the EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Sand Quarry in an area of 3.173 ha. Capacity 20,760 cum per annum at Khasra No. 64, Village - Lodhi, Tehsil - Gohparu, Dist. Shahdol, (MP), subject to the following special conditions in addition to the standard conditions at annexure ‘B’:

(A) PRE-MINING PHASE

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

(B) MINING OPERATIONAL PHASE

11. Mining shall be carried out as per approved mine plan.
12. No intermediate stacking is permitted at the mine site.
13. Overhead sprinklers shall be provided in mine.
14. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for three years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
15. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 4000 trees shall be planted on along River Bank and, Village Approach Road In Lodhi .
16. Provision of Katang Bamboo, Nagarmotha , Agave Bulbils, Munja, Khus Grass around the lease area and in buffer area. Priority for Kanga Bamboo & Khas Grass should be given.
17. Transportation of sand shall be done in covered vehicles.
18. Transportation of sand shall not be carried out through forest area.
19. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
20. Appropriate and submitted activities shall be taken up for social up-liftmen of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
21. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- 22.
23. The commitments made in the public hearing are to be fulfilled by the PP.
24. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
25. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

26. In the proposed EMP, capital cost is Rs. 8.69 Lakh is proposed and Rs.1.65 Lakh /year as recurring expenses.

27. Under CER activity, following activities are proposed based public hearing issues.

Year	Description	Physical Target	Financial Target
1 st Year	Maintenance of Village Road	500 sqm	1,50,000/-
	Construction of Toilet In Primary School Lodhi (1 male & 1 Female)	2 no.	1,00,000/-
2 nd Year	Bore Well shall be done in Gram Panchayat area	1 no	1,00,000/-
	Medical camp arrange in Village Lodhi	Ones in Year	1,00,000/-
3 rd Year	Rain water Harvesting system in Primary School & Gram Panchayat Lodhi	2 No.	1,00,000/-
	Provide Stationary item for Higher Secondary school Lodhi & Gram Panchayat Lodhi	As per requirement	50,000/-
Total			6,00,000/-

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

Cases where PP has not submitted the desired information/pending since long/ remains absent from the SEAC meeting:

Following cases were appraised in various SEAC meetings wherein online query/clarification was sought from PP but even after 30 days reply/response from the PP is awaited:

SN	Case No. Activity	SEAC Meeting details in which
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		query/clarification was sought from PP
1	Case No 8812/2021 M/s Ashtvakra II Solutions Limited, Authorized Person - Shri Rahul Singh, B-21, Master Mind, S.N. 169 (P), Royal Palms Estate, Aray Colony, Bhandup, Mumbai, Mumbai City, Maharashtra-400078, Prior Environment Clearance for Sand Quarry in an area of 4.68 ha. (39600 Cum per annum) (Khasra No. 719), Village - Indri, Tehsil - Nainpur, Dist. Mandla (MP)	Online Q 532 dated 07/12/21
2	Case No 8813/2021 M/s Ashtvakra II Solutions Limited, Authorized Person - Shri Rahul Singh, B-21, Master Mind, S.N. 169 (P), Royal Palms Estate, Aray Colony, Bhandup, Mumbai, Mumbai City, Maharashtra-400078, Prior Environment Clearance for Sand Quarry in an area of 2.0 ha. (18400 Cum per annum) (Khasra No. 450), Village - Chhibla Tola, Tehsil - Ghughri, Dist. Mandla (MP)	Online Q 532 dated 07/12/21
3	Case No 8814/2021 M/s Ashtvakra II Solutions Limited, Authorized Person - Shri Rahul Singh, B-21, Master Mind, S.N. 169 (P), Royal Palms Estate, Aray Colony, Bhandup, Mumbai, Mumbai City, Maharashtra-400078, Prior Environment Clearance for Sand Quarry in an area of 1.440 ha. (21600 Cum per annum) (Khasra No. 1), Village - Bhadiya, Tehsil - Mandla, Dist. Mandla (MP)	Online Q 532 dated 07/12/21
4	Case No 8815/2021 M/s Ashtvakra II Solutions Limited, Authorized Person - Shri Rahul Singh, B-21, Master Mind, S.N. 169 (P), Royal Palms Estate, Aray Colony, Bhandup, Mumbai, Mumbai City, Maharashtra-400078, Prior Environment Clearance for Sand Quarry in an area of 3.70 ha. (40500 Cum per annum) (Khasra No. 370), Village - Bakchheradauna, Tehsil - Mandla, Dist. Mandla (MP)	Online Q 532 dated 07/12/21
5	Case No 8816/2021 M/s Ashtvakra IT Solutions Limited, Authorized Person - Shri Rahul Singh, B-21, Master Mind, S.N. 169 (P), Royal Palms Estate, Aray Colony, Bhandup, Mumbai, Mumbai City, Maharashtra-400078, Prior Environment Clearance for Sand Quarry in an area of 1.0 ha. (11200 Cum per annum) (Khasra No. 100), Village - Baheri, Tehsil - Nainpur, Dist. Mandla (MP)	Online Q 532 dated 07/12/21
6	Case No 8791/2021 M/s Amaltas India Ltd, Shri Abdullah Hussain, Director, S-09, Sachi Complex, Infront of Board Office, Dist. Bhopal, MP - 462011, Q 530 dated 25/11/21 Prior Environment Clearance for Development of Residential Apartments, Economical Weaker Section, Low Income Group "THE CITADAL" [Total Plot Area - 20235 sqm, Net Plot Area - 15257.19 sqm, Built-up Area - 78126 sqm] at Khasra No. 114/2/2/1, 114/2/2/2, 114/2/2/3, Village - Misrod, Tehsil - Huzur, Dist. Bhopal (MP)	Online Q 530 dated 25/11/21
7	Case No 8790/2021 M/s Amaltas India Ltd, Shri Abdullah Hussain, Director, S-09, Sachi Complex, Infront of Board Office, Dist. Bhopal, MP - 462011, SIA/MP/MIS/205909/2021 Prior Environment Clearance for Construction of Shops cum Low Income Group and Economically Weaker Section Housing "Amaltas Urban City" [Total Land Area - 19260 sqm, Net Plot Area - 17780.9 sqm, Built-up Area - 79175.44 sqm] at Khasra No. 33/1/1, 35, Village - Raslakhedi, Tehsil - Huzur, Dist. Bhopal (MP)	Online Q 530 dated 25/11/21

Committee observed that PP of above cases have not submitted the desired information and cases are pending since long. In the entire above cases online query was raised through EDS. As per MoEF&CC OM dated 15/03/21 if:

“the reply to EDS is not received on PARIVESH within 30 days, the proposal will be

excluded from the pendency list shown on PARIVESH. However, the PP can relist the proposal through their respective login provisions, as and when they want to submit the EDS reply”.

Recently, SEIAA vide letter no. 2590 dated 15/12/21 has communicated policy decision taken in their 694th meeting dated 26/11/21. According to the policy decision taken by SEIAA at point no.08 (*SEAC should make final recommendations within 30 days for EC/ TOR*).

The committee deliberated on the above and was of opinion that if PP's are not submitting desired information even after 60 days of appraisal their cases may be recommended for delisting and respective case files may be sent to SEIAA for onward necessary action assuming that PP is not interested to continue with the project. If later on PP interested in continuing with the proposal, they shall request SEIAA for relisting with proper justification for the same.

(A. A. Mishra)
Member Secretary

(Dr. Praveen Chandra Dubey)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.

21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4th or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
 - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
 - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
 - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
 - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
 - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
 - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
 - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
 - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
 - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.

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

Annexure- ‘C’

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

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

18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme.
30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.

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

Annexure- ‘D’

General conditions applicable for the granting of TOR

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

20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna".
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The undertaking inter alia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
 - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
 - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
 - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
 - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing

species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.

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

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

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