

The 518th meeting of the State Expert Appraisal Committee (SEAC) was held on 08th October, 2021 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

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

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

1. **Case No 8687/2021 M/s Chitrakiran Waste Management Pvt. Ltd, Smt. Kiran Singh and Shri Saurabh Shukla, Partner, 7/65, In Front of PHED Office, Civil Lines, Dist. Rewa, MP - 486001 Prior Environment Clearance for Common Bio Medical Waste Treatment Facility & Recycling Facility (CBWTF) at Plot No. 150/151, Atrari Industrial Area, Tehsil - Gurh, Dist. Rewa, (MP) Env. Consul. M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram,**

The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category “B” Projects of activity 7(da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio- Medical Waste Treatment Facilities. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was presented by Env. Consultant Shri Balaji Gautam from M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram and Shri G. K. Mishra on behalf of PP, wherein PP submitted that the proposed unit will be established in the Industrial Area (MPIDC) Atrari, Gurh, District -Rewa (M.P), The total plot area: 4899, Sq.mt. (1.211 Acre) . PP stated following salient features of the propose project are as:-

- The project Incharge is M/s. Chitrakiran Waste Management Pvt. Ltd.

- The project site is industrial plot having an area of 4899 Sq.mt. (1.211 Acre) land is on lease by Common Bio Medical Waste Treatment Facility & Recycling Facility.
- A Common Bio-medical Waste Treatment Facility (CBWTF) is a set up where bio-medical waste, generated from a number of healthcare units, is suitably treated to reduce adverse effects that this waste may pose. The treated waste may finally be sent for disposal in a secured landfill or for recycling purposes.
- Collection, transportation, storage & treatment of Bio Medical Waste as stipulated in Bio-medical Waste (Management & Handling) Rules 1998 as amended in 2016 and CPCB Guidelines for installation of Common Bio-medical Waste Treatment Facility
- The project is categorized under Item 7(d)(a) of the schedule-gazette notification dated 17th April, 2015 of MoEF&CC, therefore, the project requires prior Environmental Clearance.

PROJECT BRIEF

Name of the project	Common Bio Medical Waste Treatment Facility & Recycling Facility (CBWTF)
Promoter	Mr. Saurabh Shukla of M/s. Chitrakiran Waste Management Pvt. Ltd.
Location of Industry	Plot no. 150/151 Atrari, Gurh, District Rewa (M.P)
Total Plot Area	4899 Sq.mt.(1.211 Acre)
Plan Area	2800.0 sq.mt.
Green Area	2099.0 sq. mt.
Capacity	1 No. Incinerator of capacity 250 kg/hr (Dry) 1 No. Autoclave of capacity 1200 ltr/Batch 1 No. Shredder of capacity 100 kg/hr Chemical Disinfection Tank 1500 ltr ETP Capacity – 20.0 KLD
Water Requirement	Approximately 5 KLD of water required during construction of the unit from Private water tankers. Water Demand in Operational Phase will be 20 KLD which will be met from MPIDC.
Waste Water Generation	20.0 KLD

ETP	20.0 KLD
Power Requirement	Approx. 32 KW for operation phase Supply source – (MPEB) Back up- DG. Set of 75 KVA capacities as standby.
Manpower Requirement	25 persons
Estimated Project cost	Rs. 340 Lacks
Nearest Railway Station	Rewa Railway Station – 27.9 km in WNW direction.
Nearest Highway	NH-75- 9.16 Km (SSE)
Nearest Airport	Khajuraho Airport– 166.5 Km in WNW direction away from the site

PROJECT SITE JUSTIFICATION

Location	The CBWTF shall be located as near to its area of operation as possible in order to minimize the travel distance in waste collection.	CBWTF site is located near Plot No. 150/151, Industrial Area, Atrari, Gurh, District – Rewa, Madhya Pradesh
	A CBWTF shall be located at a place reasonably far away from residential and sensitive area so that it has minimal impact on these areas	CBWTF is in notified industrial area and nearest habitation is Bhusunwa which is 1.2 km in NNW direction.
	The location shall be decided in consultation with the State Pollution Control Board (SPCB)/Pollution Control Committee (PCC).	The project will commence only after acquiring necessary NOC from Madhya Pradesh Pollution Control Board
Land Requirement	Minimum required land for CBWTF is 1 acre to provide sufficient space for project machinery and vehicle movement	The project area is 1.211 Acre (4899 sq.m.)
Coverage Area	The coverage area of CBWTF site should be only one site for catering 10,000 beds or 150 kms radius	Only one CBWTF site is available in Rewa district

- Approximately 5 KLD of water required during construction of the unit from Private water tankers. Water Demand in Operational Phase will be 20 KLD which will be met from MPIDC.

PP further stated that this propose project is about 2.5- 3.0 KM away from the nearest habitation and is away from the solar power plant site. PP further submitted that on line TOR has already been granted to PP by the authority. The Committee after deliberations decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TORs as per conditions mentioned in Annexure-D:-

1. PP shall carry out comprehensive gap analysis through data authentication from Government agency and justify their proposal for establishment of another CBWTF within 75 kms radius.
2. All the conditions stipulated in standard TOR issued by MoEF&CC (as file no. 8687/2021) shall be complied by PP.
3. Autoclave capacity shall be calculated on the basis of Kg/hr and submitted with EIA report.
4. Details & purpose about chemical disinfection tank shall be furnished with EIA report.
5. The proposed layout plan of the project should be revised and provision should be made according to the approved layout of the industrial area.
6. Data collection of EIA should be done under the intimation to the M.P. Pollution Control Board, Bhopal for coming winter season.
7. Justify in EIA report that the proposed technology is “Best Available Technology” of CBWTF and also how unit will remain zero discharge.
8. Maximum storage time of Bio-medical waste within the facility and disposal plan of autoclaved material should be discussed in the EIA report.
9. Monitoring of VOC should be added in the proposed monitoring protocol of EIA study.
10. Detail of power supply in the construction & operation phase.
11. How much HSD for DG set will be stored at the site?
12. In the EIA report, PP should provide the type of industries existing in the area with the list of MPIDC, Rewa.
13. PP shall obtain CTE from the MP Pollution Control Board and same shall be appended with EIA report.
14. Proposal for GPS enable vehicles and their route maps shall be discussed in the EIA report.

15. Elaborate handling and disposal of hazardous waste and possible spillage avoidance with control measures proposed for mitigation of odour nuisance shall be discussed in the EIA report.
16. Detailed layout of various proposed facilities with their capacities and design criteria shall be discussed in the EIA report.
17. Under CER scheme with physical targets:
 - ✓ Activities such as solar panels & white wash in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) in concerned village shall be proposed.
 - ✓ Explore the possibility for animal adoption preferably white tiger from Mukundpur Zoo, Rewa.
 - ✓ 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 by them.
18. Under Plantation Scheme with budgetary allocations:
 - ✓ Comprehensive green belt plan as suggested by committee by adding native species such as species like Moulshree, Neem, Kanak champa & Saptparni etc and for gardening purpose propose species like Mehndi, Karonda in the EIA report with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Minimum 33% area will be kept for plantation.
 - ✓ 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.
 - ✓ Establish the running water fountain in premises at central green belt.

2. Case No 8679/2021 M/s Shobha Minerals, Dhamki Mining & Trading of Minerals, 765, Napier Town, Dist. Jabalpur, MP. Prior Environment Clearance for Dhamki Mn Ore Beneficiation Plant , Khasra no. Part of 178, at Village - Dhamki, Tehsil - Sihora, Dist. Jabalpur (MP). Lease area 3.60 ha., Production Capacity 80,0000 Tonn/Year, Env. Consul. M/s. Creative Enviro Services, Bhopal (MP).

This is case of Prior Environment Clearance for Dhamki Manganese Ore Beneficiation Plant at Village - Dhamki, Tehsil - Sihora, Dist. Jabalpur (MP). This is an ore beneficiation project comprising beneficiation of Manganese Ore (Pyrolusite). The project is covered under the provisions of EIA notification as item no. 2 (b), hence

requires prior EC from SEIAA. Application submitted by the PP was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The case was presented by Env. Consultant Shri Umesh Mishra from M/s. Creative Enviro Services, Bhopal (MP) and Shri Nitin Sharma, M/s. Shobha Mineral on behalf of PP, wherein PP submitted that existing mining project having lease area 3.60 ha with excavation capacity of 80,000 TPA for Manganese, Iron and Laterite ore was accorded environment clearance vide number 875/SEIAA/2017 dated 24.06.2017. Considering the low grade of Manganese ore, it is proposed to set up beneficiation plant through physical method in the lease area for which environment clearance is required. Total lease area in possession is 3.60 ha of Khasara No. part of 178 out of that the proposed the beneficiation plant will cover 896 sq. mt. of area. Green belt have been developed with 100 number of trees within the premises. For tailing disposal, 30000 sq ft land will be required which is already available within the lease area. The aforesaid mining lease in operation and sub-grade mineral have been generated which are kept in the form of dumps having grade of Mn-28 %+ from . The Projects proponent have 02 no of mines in 10 km radius namely Keolari and Dhamki etc. The generated tailing will be used for backfilling of subject mines and other mines also if excess quantity will be available. PP further submitted that earlier EC was issued in the year 2017 for mining of Mn ore now in the west side of the lease PP is proposing Mn Ore Beneficiation Plant with following details:

Salient Features of the project:

S. n	Particulars	Details
1	Project	To Obtain TOR for MN Ore Beneficiation Plant with proposed capacity of 80,000 Ton per Year
2	Khasra number	Part of 178
2	Total Power requirement for process	4.4 KVA from MPSEB (18.3 Kwh power per ton of production)
3	Total Land available	3.60Ha
6	Water Requirement	Process water requirement : 110 M3/hr Water consumption/loss in the process : 10.0 M3/hr Recycled water : 100 M3/hr The overall consumption is 0.05 m3/ tone. Therefore, water requirement for the whole plant is 10 M3/hr

7	Tailing generation	8184 TPA on dry basis
8	Source of Raw water	From mining pit of captive mine
9	Cost of project	Rs 1.50 Crores
10	Capital Cost of Pollution Control Equipments	Rs 30.0 Lacs (Bag Filter, Dry Fog, Sprinkler- To be finalized during EIA study
11	Recurring cost for environmental management etc (Proposed)	Estimate will be given in EIA report, which will include O&M cost of EQMS, post environmental monitoring cost, plantation cost etc.
12	Number of employment generation	25 persons for Operation phase
13	Fund for CER activities	As per the out come of public hearing

After deliberations committee recommended the Standard TOR as stipulated by the MoEF&CC with inclusion of following additional TOR and as per Annexure-D to be addressed in the EIA / EMP report may be issued:

1. Copy of earlier EC issued for Mn mining & compliance status of EC conditions from competent authority shall be submitted with the EIA report.
2. Copy of last six monthly compliance reports submitted to the authority.
3. Ground-water study w.r.t to heavy metals concentration including Manganese to be furnished.
4. Water balance with source of water to be furnished along with the consent/ permission for supply of requisite quantum of water from the competent authority.
5. Complete ore analyses to be furnished.
6. Comprehensive protection plan for nearby habitations and canal shall be discussed in the EIA report.
7. Proposal for 'Zero Liquid Discharge' shall be discussed in the EIA report.
8. Environmentally sustainable disposal of the Tailing residue to be addressed in the EIA report.
9. Mass balance for the solid waste (tailings residue) for entire plant to be presented in the EIA Report.
10. Data related to any Neurological disorder in and around the study area shall be collected and discussed in the EIA report.
11. Expenditure made for EMP & CSR during last three years (for Mn mining) is to be submitted by the PP along with the details of PPEs provided to workers.
12. Health survey report of the workers is to be submitted by the PP.

13. Inventory with photographs of all the trees planted by the PP within the lease area and distributed in nearby villagers with credible proof shall be provided with EIA report.
14. Complete details of the Tailing Pond including the lining, dimensions, capacity and proposed locations of piezometers etc. with pollution control devices proposed in crusher and other similar units shall be detailed out in the EIA report.
15. Appropriate Garland drains to be provided around all the heaps in the premises along with the settling / collection tank connected to the garland drains-complete plan to be furnished in the report.
16. Leachate study should also be carried out on suitable locations.
17. Detailed plant layout on A3 sheet with mass balance shall be submitted with EIA report.
18. Approx. 100 KL/day water will be required, where from this volume of water will be sourced and its management plan.

3. Case No 8656/2021 M/s Shree Krishna Enterprises, Shri Mangal State ShubhLaabh Valley, Bangali Square, Dist. Indore, MP - 452016 Prior Environment Clearance for Stone Quarry in an area of 1.30 ha. (Stone - 28821 cum per annum, Murrum - 15169 cum per annum) (Khasra No. 2470), Village - Kampel, Tehsil - Khudel, Dist. Indore, Env. Conslt.:- M/s. Green Circle Inc., Vadodara, Guj.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2470), Village - Kampel, Tehsil - Khudel, Dist. Indore (M.P.) 1.30 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, Guj., Shri Sishupal & RQP Ms. Nikita Prajapati on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, M.O. 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. 1771 dated 30.7.2021 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 10.818 ha., including this mine. As per Google image based on coordinates provided by PP, Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	20	South-west	Protection plan with three rows of Plantation towards road side.
Water body	700	South-west	Provision of Garland drain & settling tanks.

It is a case of cluster of more than 5.0 ha. area therefore, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Protection plan with proposal of three rows of plantation towards road side should be discussed in EIA report.
2. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Hydro- geological study should be carried out if any ground water intersection is proposed.
5. Soil profile study along with Patwari report w.r.t. to crop yielding capacity should be addressed in EIA report.
6. Input data for air modeling considering cumulative transportation load should be addressed in EIA along with this all back up calculation.
7. 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.

4. Case No 8657/2021 Shri Jagdish S/o Shri Madanlal Kundiwala, 185, Khati Mohalla, Musakhedi, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 1.978 ha. (35000 cum per annum) (Khasra No. 2528/1, 2528/2, 2528/3, 2528/4, 2528/5, 2529/1, 2529/2), Village - Kampel, Tehsil - Khudel, Dist. Indore (M.P.). Env. Conslt.:- M/s. Green Circle Inc., Vadodara, Guj.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2528/1, 2528/2, 2528/3, 2528/4, 2528/5, 2529/1, 2529/2), Village - Kampel, Tehsil - Khudel, Dist. Indore (M.P.) 1.978 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 1773 dated 30.7.21 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 10.818 ha., including this mine. As per Google image based on coordinates provided by PP, Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	200	South	Protection plan with provision of three rows of Plantation towards road side.
Road	100	East	Protection plan with three rows of Plantation towards road side.
Water body	1100	South-west	-

It is a case of cluster of more than 5.0 ha. area therefore, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Protection plan with proposal of three rows of plantation towards road side should be discussed in the EIA report.
2. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
3. Transportation plan & traffic management plan should be discussed in the EIA report.
4. Hydro- geological study should be carried out if any ground water intersection is proposed.
5. Soil profile study along with Patwari report w.r.t to crop yielding capacity should be addressed in EIA report.
6. Input data for air modeling considering cumulative transportation load should be addressed in EIA along with this all back up calculation.
7. 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.

5. Case No 8663/2021 M/s K.G.Developers, Shri Ashish Kharya, Authorized Signatory, Village - Manpur, Tehsil & Dist. Anuppur, MP Prior Environment Clearance for Sand Quarry in an area of 5.360 ha. (96480 cum per annum) (Khasra No. 75/78, 37/77), Village - Manpur, Tehsil - Anuppur, Dist. Anuppur (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, UP .

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 75/78, 37/77), Village - Manpur, Tehsil - Anuppur, Dist. Anuppur (MP) 5.360 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd., Noida, U.P. on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 1111 dated 04.06.21 has reported that there are no more mine operating or proposed within 500 meters around the said mine. PP further stated that this is a case of river sand mining on Son river.

It is a case of sand quarry with total area of 5.360 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. Therefore committee decided to issue standard TOR prescribed by the MoEF&CC for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- According to Google image on the eastern side a big patch of forest tree covering area appearing so find the status of this land as per Godhawarman case and provisions of land revenue code as area lies close to Perennial River.
- Detailed evacuation plan with transport route, avoiding school & habitation, is to be discussed in the EIA report.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or

Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report (if any).

- Include activity with appropriate budget for reflectors installation, T-Junction Development where haulage road join with main pucca road and provision of speed breakers in the EMP.
- In case of any road bridge/ any civil structure such as stop dam or cause way etc in existence within the lease area or in near vicinity, mandatory safety distance shall be left as per Monitoring and enforcement Guidelines for sand mining, 2020 published by MoEF&CC and same shall be discussed in the EIA report in detail with proper justification.
- In case if river is flowing within the lease, the area occupied by river water shall be left as non mining area and revised plan leaving submerged area as non-mining zone shall be submitted with EIA report. Similarly, in case any natural rivulet is joining the lease, area as per MoEF&CC sand mining guidelines on both sides shall be left as non mining area and detailed plan shall be discussed in the EIA report.
- PP’s commitment that in the river bank where green area is in existence, shall not be encroached during mining operation and will be left as non mining area.

6. Case No 7245/2020 M/s Tanisha Infracon Pvt. Ltd, B-64, Shaligram Tower, Near Sharon Park, Satellite Road, Ahmedabad, Guj. – 380015 Prior Environment Clearance for approval of Laterite Deposit in an area of 18.33 ha. (81,770 cum per annum) (Khasra No. 1331, 1339, 1340) at Village- Tarnod, Tehsil- Suwasara, District- Mandsaur (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.

This is case of Laterite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1331, 1339, 1340) at Village- Tarnod, Tehsil- Suwasara, District- Mandsaur (MP) 18.33 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease’s within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 3144 dated 28/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in the 444th SEAC meeting dated 03-07-20, during presentation as per Google image based on coordinates provided by PP,

it was observed that the Kachcha road crossing the lease committee recommended that PP shall provide right of access in 7.5m of barrier zone. It is a case of laterite deposit with total area of 18.33 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. Therefore 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:-

- Commitment from PP that on Kachcha road, right to access shall be provided in 7.5m of barrier zone.
- Environmental Monitoring should be conducted in such a way that from all soil samples heavy metal should be analysed and atleast in one sample analysis of pesticides should conducted.

Earlier this case was scheduled for presentation and discussion in 444th SEAC dated 03/02/2020 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 06.09.2021 which was forwarded through SEIAA vide letter no. 1863 dated 13.09.2021 and the same was scheduled in the agenda.

The EIA was presented by Env. Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. behalf of PP. During presentation, PP submitted following salient features of the project:-

During presentation it was observed that in the public hearing preceding an issue was raised that a religious place (देव स्थान) exists within lease which may be damaged due to mining activity/operation, blasting will damage the houses, allocated place is Charagah for cattle and approx. 5000 trees are planted on the lease and thus this activity was opposed by the villagers. PP submitted that the religious place is not within their lease area and actually far away from the lease and considering all desired norms lease is sanctioned by Mining Officer. Committee after deliberation decided that clarification of concerned Mining Officer shall be obtained on the issues raised during public hearing for further consideration of this case. During appraisal it was also observed that in the north area trenches are in existence and committee suggested that these trenches can be used for plantation and part of this area shall be left as non mining area on the northern

side. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. M.O. clarification regarding existence of a religious place (देव स्थान) within lease which may be damaged due to mining activity/operation, blasting impact will damage the houses, allocated place is Charagah for cattle and approx. 5000 trees are planted on the lease.
2. Details of activities proposed by the villagers around the देव स्थान.
3. In point no. 10- C “no fund proposed for ESR/ CER .
4. In point no.25- no tree cutting proposed, while during Public Hearing mentioned 5000 trees are existed at village, clarify current status.
5. Justify, why maximum peak value of PM₁₀ & noise level observed at project site.
6. Permission letter of Gram Sabha for water drawl should be submitted.
7. Why deploying of DG set of 200kVA submit waste oil disposal plan.
8. Why pesticide analysis is not carried out as per specific TOR point.

7. Case No 8666/2021 Smt. Boota Singh W/o Shri Rajdhar Singh, Village - Ramathan, Tehsil - Raghurajnagar, Dist. Satna, MP Prior Environment Clearance for Stone Quarry in an area of 3.970 ha. (25000 cum per annum) (Khasra No. 966/2/KHA/1(P), 966/2/KA/1(P), 966/1/GA/1(P), 966/2/KA/3(P), 966/2/KA/2(P)), Village - Ramasthan, Tehsil - Raghurajnagar, Dist. Satna (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 966/2/KHA/1(P), 966/2/KA/1(P), 966/1/GA/1(P), 966/2/KA/3(P), 966/2/KA/2(P)), Village - Ramasthan, Tehsil - Raghurajnagar, Dist. Satna (MP) 3.970 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 3172 dated 15.02.21 has reported that there are 01 more mine operating or proposed within 500

meters around the said mine with total area of 4.990 ha., including this mine. As per Google image based on coordinates provided by PP, Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	60	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Human settlement	210 & 380	SE & West	Provision of controlled blasting with arrangements of sand bags and three rows of Plantation towards this side in the EIA report .
04 Trees	Within lease	-	PP submitted that 02 trees are within lease and 02 trees are outside the lease, no tree felling is proposed.

During presentation as per Google image it was observed by committee that 02 more mine are in existence within 500 meters around the said mine while as per Collector Office (Ekal Praman-Patra) letter No. 3172 dated 15.02.21 only one mine is reported within 500 meters around the said mine hence, committee asked PP to obtain M.O. clarification on this issue for further consideration of this case.

8. Case No 8690/2021 Shri Rampratap Singh Bundela S/o Shri Sobran Singh Bundela, Jagatnagar, Tehsil - Mohangarh, Dist. Tikamgarh, MP - 472101 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (50000 cum per annum) (Khasra No. 40), Village - Magrai, Tehsil - Mohangarh , Dist. Tikamgarh (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 40), Village - Magrai, Tehsil - Mohangarh , Dist. Tikamgarh (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 1493 dated 23.03.2021 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 10.850 ha., including this mine. As per Google image based on coordinates provided by PP, it was observed by committee that this lease is located on

the small hillock and the elevation difference about 30 m from the nearby surface. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	05	East	05 setbacks, excluding 7.5 m barrier zone. Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Water body	200	West	Protection plan &
River	880	South & SW	Provision of Garland drain & settling tanks.

It is a case of cluster of more than 5.0 ha. area therefore committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Detailed evacuation route with gradient considering safety of man and machine is to be discussed in the EIA report.
2. Water body at South & SW direction thus their protection plan shall be discussed in the EIA report.
3. Kachha Road is existed at a distance of 05 m hence, showing setback on production plan, excluding 7.5 m barrier zone with provision of controlled blasting with arrangements of sand bags and three rows of plantation towards road side.
4. Hydro- geological study should be carried out if any ground water intersection is proposed.
5. Top soil management plan should be addressed in EIA report.
6. 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.

9. Case No 8691/2021 M/s Shiv Grit Udyog, Shri Kushalpal Singh, R.G. No. 80, 82, Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur, MP Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (50000 cum per annum) (Khasra No. 2330, 2332), Village - Prakash Bamhori, Tehsil - Gaurihar, Dist. Chhatarpur (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2330, 2332), Village - Prakash Bamhori,

Tehsil - Gaurihar , Dist. Chhatarpur (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 2658 dated 11.8.2021 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 09.202 ha., including this mine. As per Google image based on coordinates provided by PP, it was observed by committee that this lease is located on the hillock where elevation difference about 15 m from the nearby surface. Moreover, this lease is showing in 02 parts, justify why it is so, also a small part of the lease is falling on the road, thus no mining shall be carried out on this part of the lease, PP may propose for this part of lease, as site office, shelter for worker etc. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	270	West	Protection plan and provision of Controlled blasting with arrangements of sand bags and three rows of Plantation towards this side.

It is a case of cluster of more than 5.0 ha. area therefore committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. The lease is in 02 parts and also smaller portion of the lease is falling on the road thus no mining shall be carried out on this part of the lease and PP may propose site office, rest shelter, Plantation etc., on this part of lease with details in EIA report.
2. Human settlement at a distance of 270 m west direction propose protection plan and provision of controlled blasting with arrangements of sand bags and three rows of plantation towards this side is to be discussed in the EIA report.
3. Evacuation route with considering safety of man and machine.
4. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
5. Top soil management plan should be addressed in EIA report.
6. Proposal for Chirol plantation in the barrier zone of the lease under plantation programme.

7. 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.

10. Case No 8689/2021 Smt. Mithlesh Singh W/o Shri Naval Singh, Village - Prakash Bamhouri, Tehsil - Gaurihar, Dist. Chhatarpur, MP, Prior Environment Clearance for Stone Quarry in an area of 6.659 ha. (400000 cum per annum) (Khasra No. 285), Village - Gumanpura, Tehsil - Chandla, Dist. Chhatarpur (MP). Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 285), Village - Gumanpura, Tehsil - Chandla, Dist. Chhatarpur (MP) 6.659 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 801 dated 01.03.2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 16.659 ha., including this mine. As per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees /shrubs root stock	within lease	--	Drone videography with tree inventory shall be carried out for consideration of case for grant of TOR.
River	140	South – east	Protection plan & Provision of Garland drain & settling tanks.
Surface drain	Originating from the lease	-	Protection plan
Human settlement	340	North- west	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

It was further observed by the committee in the Google image that whole site is full of number of trees and root stocks are in existence within lease area. Committee has a apprehension that mining activity and stone evacuation from the lease may disturb these trees and root stocks. Hence, after deliberation PP was asked to submit drone videography showing clear images of trees within lease boundary along with site photographs and trees inventory for further consideration of this case.

11. Case No 8694/2021 Smt. Paras Daga W/o SHri Vijay Daga, H.No. 26, Marwadi Road, Infront of Bank of India, Dist. Bhopal, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (15000 cum per annum) (Khasra No. 239 Part), Village - Malikhedi, Tehsil - Huzur , Dist. Bhopal (MP) . Env. Consultant M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 239 Part), Village - Malikhedi, Tehsil - Huzur, Dist. Bhopal (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Amar Singh Yadav from M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 2420 dated 06.08.21 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 29.80 ha., including this mine. During presentation as per Google image based on coordinates provided by PP, it was observed that old pit is existed, PP submitted that it was very old mine pit existed since year 2014, they have got the lease in such condition and pit have shown in the surface map.

It is a case of cluster of more than 5.0 ha. area therefore committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. A house is existed at a distance of 100 m hence, propose 100 m set back and submit revised production map with EIA report.
2. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
3. Top soil management plan should be addressed in EIA report.

4. 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.

12. Case No 8670/2021 M/s Mahadev Stone Crusher Industries, Shri Abhay Singh, Partner, 201, Tansen Nagar, Dist. Gwalior, MP, Prior Environment Clearance for Stone Quarry in an area of 1.332 ha. (23726 cum per annum) (Khasra No. 05), Village - Chirpura, Tehsil - Dabra, Dist. Gwalior (MP) M/s. Forest Environment and Climate Change Management Consultancy (FECCM), Pvt. Ltd. Bhopal, MP.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 05), Village - Chirpura, Tehsil - Dabra, Dist. Gwalior (MP) 1.332 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Rahees Patel behalf of PP. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. QL/12 dated 16.3.21 has reported that there are 16 more mines operating or proposed within 500 meters around the said mine with total area of 29.503 ha., including this mine. During presentation as per Google image based on coordinates provided by PP within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	within the lease	-	Set back of 20 meters both side of the road within the lease excluding barrier zone of 7.5 meters.
Human settlement	240 & 460	North & west	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Some Trees	within the lease	Sparsely Distributed	Tree inventory with girth details, height and their management plan.

The case was presented by the PP and their consultant. It is a case of Stone Quarry with total area of 29.503 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. Therefore committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Total trees inventory with girth details and their management plan as some tree within lease area.
2. Soil profile study along with Patwari report w.r.t. crop yielding capacity should be addressed in EIA report.
3. Level of mechanization should be discussed in the EIA report.
4. Hydro geological study should be carried out if ground water intersection is proposed.
5. A list of all the mines located in the Billaua, Rafadpur and Chirpura cluster along with their lease area, lease period, existing production, proposed production as per approved mine plan, production for which the EC is desired (Form 1), available minable reserve, proposed ultimate depth, post mining land use, details of crusher if located within the lease area, if crushing is done outside the lease area its location and details, details of any habitation, water body, road, school, or hospital or any other public place within 500 m of the cluster.
6. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
6. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
7. Air pollution control measures adopted by each mine and crusher in the cluster.
8. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.

9. Ambient Air Quality Monitoring on following locations be conducted for one season (winter):-
 - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.
 - (b) Two monitoring station one each at main evacuation road and Billaua village road.
 - (c) Three monitoring station i.e. one at windward direction and two at leeward direction.
 - (d) Three monitoring station within the cluster area near installed crushers.
 - (e) One monitoring station close to water body i.e. Udalpara Tal.
9. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
10. Photography and Videography should also be done during collection of baseline data.
11. Noise Monitoring on following locations be conducted for one season (winter):-
 - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.
 - (b) Two monitoring station one each at Naktapata square and nearby water body.
 - (c) Three monitoring station within the cluster area near installed crushers.
12. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.
13. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
14. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
15. A drainage plan for entire cluster and surface run off management plan.

16. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
17. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.
18. Public consultation be conducted as per EIA Notification, 2006.
19. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
20. Provide details of court cases/ litigations pending, if any.

13. Case No 8623/2021 Shri Samuel Vasanthan, R/o, House No. 391/5, Green Garden, L-Block, Anna Nagar East, Dist. Chennai, Tamil Nadu Prior Environment Clearance for Granite Quarry in an area of 7.50 ha. (3600 cum per annum) (Khasra No. 14, 15/1), Village - Madkheda, Tehsil - Mohangarh, Dist. Tikamgarh (MP). Env. Consultant M/s. P.M. Solution.

This is case of Granite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 14, 15/1), Village - Madkheda, Tehsil - Mohangarh, Dist. Tikamgarh (MP) posses total area 7.50 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP Shri Samual Vasanthan. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat NOC, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 1529 dated 01.04.21 there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 12.975 ha., including this mine. During presentation as per Google image based on coordinates provided by PP within 500 meters following sensitive features were observed regarding lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Seasonal natural drain	50	West	50 m set back with protection plan and provision of Garland drain & settling tanks.

Pucca Road	30	East	Set back of 20 meters with protection plan and provision of controlled blasting with arrangements of sand bags and three rows of Plantation towards this side.
Isolated hutments	Within lease area	Centre and east side of the lease	PP submitted some of the hutments belong to their workers and other structures are Granite blocks mined out during prospecting.
Human settlement	200	NE	Protection plan and provision of controlled blasting with arrangements of sand bags and three rows of Plantation towards this side.

During presentation it was observed that some hutments like structures are present within the lease area, while PP submitted some of the hutments belong to their workers and other structures are Granite blocks mined out during prospecting. The proposed area is govt. land and the prospecting license was issued to PP vide order no 11/khanij/3- 06/2020/367 Tikamgarh, dated 31/05/2018 for 2 years. Later LOI has been issued for 30 years vide order no 11/khanij/3-06/2021/2025 Tikamgarh, dated 13/09/2021. Mining Plan has been approved vide letter no- 5115/MP/G-9/ Sr. no.44/2020 on 26/03/2021. The proposed rate of production is 3,600 cu.m/Annum or 9,360 TPA. The expected life of mine is 37 years. The Committee after deliberation decided that being it's a case of mining with area more than 5.0 ha. area thus, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Protection Plan w.r.t. Sensitive Features Such as seasonal natural drain, pucca road , isolated hutments & human settlement which are existed within 500m of the lease area, shall be discussed in the EIA report.
2. Some houses within lease and thus their clear status shall be discussed in EIA report.
3. Detailed Evacuation Plan with Transport Route, Required infrastructure and manpower is to be discussed in the EIA report.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. The source of water is proposed through mine sump and alternatively bore well hence, PP shall submit copy NOC received from CGWA for GW uses with EIA report.
6. Hydro- geological study should be carried out if any ground water intersection is proposed.

7. Top soil management plan should be addressed in EIA report.
8. Input data for air modeling considering huge transportation load should be addressed in EIA along with this all back up calculation.
9. 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.

(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.
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) 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. 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 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.
 33. Every year, before onset of monsoon season, minimum 25 saplings 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”.
 34. 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. Plantation in adjoining forest land shall be carried out through 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 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.
34. Every year, before onset of monsoon season, minimum 25 saplings 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”.
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- ‘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. 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.
29. 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.
30. Every year, before onset of monsoon season, minimum 25 saplings 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”.
31. 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 MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
 - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
 - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
 - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.

- ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
- ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
 - ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies.
 - ✓ 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.
 - ✓ Proposal for plantation in adjoining forest land through concerned DFO.

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.