

The 528th meeting of the State Expert Appraisal Committee (SEAC) was held on 23th November, 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. – 7686/2020 M/s. Tomar Builders and Contractors, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (1,50,000 cum per annum) (Khasra No. 2), Village - Magroni, Tehsil - Berad, Dist. Shivpuri, (MP) Env. Consl.: Shri Amar Singh Yadav . M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.**

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

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter no. 136 dated: 26/02/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 5.92 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 461st SEAC dated 29/09/2020 wherein ToR was recommended.

PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The EIA was presented by Environmental Consultant Shri Amar Singh Yadav, M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. on behalf of PP before the committee wherein during presentation, PP submitted that the lease was obtained under temporary permit (TP) with two years validity. As per Google image based on coordinates provided by PP it was observed that the pucca road is at a distance of approximately 100 meters from lease passing towards south –west to south -east corner of the lease area and they will address this issue and submit respective protection plan. Committee asked PP that being this is case of TP hence all plantations shall be carried out within 01 years. PP described following salient features of the mine:

- The area around Magroni which is situated in Bairad Tehsil is covered by soil in the lease area. Sandstone is found in the area are fine grained, hard, compact, pinkish white in colour. The Sandstone found in this area is comes under the Bhandar Group of rocks.
- The mining operation will be carried out by opencast Semi method adopting a system of benches.
- The proposed depth of mining is 14 meters.
- Hydraulic excavators will be deployed for progressing benches and for handling ore/waste material.
- Manual labors are also deployed for quarrying and handling quarrying waste.
- Truck/tipper will be used for loading and dumping of stone.
- Stones will be blasted, handled and loaded by excavators into truck/tripper.

Particular	Details
Area & Lease period of mine	2.0 ha. (Temporary permit)
Cluster Situation (B1 or B2- please justify)	B1
Khasra No.	02
Total Geological Reserve	2,80,000 cu.m

Available Movable Reserve	1,82,466 cu.m	
Production	1,50,000 cum/Annum	
Expected Life of Mines	15 Months	
Method Of Mining	Opencast semi-mechanized method	
Drilling & Blasting	Drilling and blasting will be carried out.	
Elevation Profile of mine site	418 to 407 MSL (as per approved Mining plan)	
Height & width of bench	Bench height- 3m & width-5m	
General ground water table (post monsoon level)	35-45 mbgl (source- as per approved Mining Plan)	
Does ground water intersection proposed	No	
Man Power (Skilled & Un-skilled)	30	
Project Cost as per PFR	Rs. 30.00 Lakh.	
Proposed EMP Cost (Rs in Lakhs)	Capital-Rs. 11,01,000	Recurring-Rs. 6,71,500
Any litigation pending (if yes, provide details)	No any	
Located in critically polluted area (yes/no)	No	

During presentation it was also submitted by PP that it's a case of TP for which committee instructed PP that all the activities related to plantation and CER shall be completed in the first year of mining operation. Plantation activities shall be carried out by Govt. agency or any other suitable agency having expertise in this field. It was also suggested by committee that considering the area soil and manure shall be arranged from the nearby area to sustain plantation. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in Form-II, such as:

1. Revised form-II as suggested by committee with revised details of post mining land use.

2. Revised plantation scheme (trench plantation) and species as suggested by the committee.
3. Clarification by PP regarding plantation by DFO or any other agency. If the plantation scheme is approved by DFO it shall be carried out by forest department.
4. PP's commitment that plantation in the barrier zone and evacuation road shall be carried out in the first year.
5. PP's commitment that water shall be sprinkled twice in a week for plantation.
6. Revised CER- incorporate Public Hearing issues raised by local public as suggested by committee during presentation.

2. **Case No 8766/2021 Shri Ramesh Kumar Manshani S/o Shri H. Rai, Manshani, House No. 14/53, Fort Road, Dist. Rewa, MP Prior Environment Clearance for Limestone Quarry in an area of 3.114 ha. (23156 Tonne per annum) (Khasra No. 129, 130), Village - Baijnath, Tehsil - Huzur, Dist. Rewa (MP) Env. Consl.: Shri Amar Singh Yadav , M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P.**

This is case of Limestone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 129, 130), Village - Baijnath, Tehsil - Huzur, Dist. Rewa (MP) 3.114 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Environmental Consultant Shri Amar Singh Yadav, M/s. Aseries Envirotech India Pvt. Ltd. Noida, U.P. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 8090 dated 19.12.2017 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on coordinates provided by PP around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	150	East	Comprehensive Protection plan.
Pucca road	65	SW-SE	

Being it's a case of major mineral 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. Human settlement at a distance of 150 m in the east side hence, discuss comprehensive protection plan in the EIA report.
2. Tree inventory with height and girth details existing in the barrier zone of the lease.
3. Explore the possibility for using of water for mining operations from nearby water filled exhausted mined located in the North & NW side of the lease.
4. Detailed evacuation plan considering gradient with transport route, required infrastructure and man-power is to be discussed in the EIA report.
5. Proposed non- mining area where lease shape is so narrow where scientifically mining is not possible in the NE side of the lease.
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.

3. Case No 8769/2021 M/s. Wonder Cement Ltd, Shri P.Patidar, Director, 17, Old Fatehpura, Seva Mandir, Dist. Udaipur, Raj. - 313004 Prior Environment Clearance for Expansion in Limestone Quarry in an area of 44.293 ha. (Limestone - 200000 Tonne per annum, Sub Grade / Screen Reject - 15055 Tonne per annum) (Khasra No. 1, 2/1, 2/2, 3, 4/1, 4/2, 4/3, 4/4/1, 4/4/2, 4/4/3, 4/4/4, 4/4/5, 4/5, 30, 37, 40/1, 41/1, 41/2, 42/1, 44, 45, 46, 47, 48), Village - Kosdana, Tehsil - Gandhwani, Dist. Dhar (MP) . Env. Consl.: Shri S.S. Bist M/s. Udaipur Min-Tech Pvt. Ltd., Udaipur.

This is case of Limestone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1, 2/1, 2/2, 3, 4/1, 4/2, 4/3, 4/4/1, 4/4/2, 4/4/3, 4/4/4, 4/4/5, 4/5, 30, 37, 40/1, 41/1, 41/2, 42/1, 44, 45, 46, 47, 48), Village -

Kosdana, Tehsil - Gandhwani, Dist. Dhar (MP) 44.293 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Environment Consultant Shri S.S. Bist M/s. Udaipur Min-Tech Pvt. Ltd. Udaipur and PP Shri Sunil R. Deshmukh, G.M. (Environment) M/s. Wonder Cement. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. As per Google image based on coordinates provided by PP around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	45	West	Comprehensive Protection plan.
Some Trees	within lease	North	Tree inventory with girth details & height and their management plan.
One seasonal Drain originating from the lease	Within the lease.	Eastern side	Management plan
Dam Embankment	200	East	Comprehensive Protection plan.
Human settlement	158	NW	Comprehensive Protection plan.

During presentation it was observed by the committee that considering above sensitivities; site visit shall also be carried out by a sub-committee of SEAC. It was also observed that out of 44.293 ha. area 28.6421 ha. is Govt land and 15.651 ha. is private land hence, status of land acquisition shall be submitted by PP with the EIA report as per MoEF&CC OM dated 07/10/14. PP submitted that the baseline environmental monitoring for this site is being collected from Dec.2020 – Feb. 2021 in accordance with the MoEF&CC OM dated 29/08/17. Being it's a case of major mineral 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. Status of land acquisition details shall be submitted by PP in the EIA report in line with MoEF&CC OM dated 07/10/14.
2. Human settlement at a distance of 158 m in the north-west side hence comprehensive protection plan shall be discussed in the EIA report. PP may also explore the possibility of using rock breaker in place of blasting.
3. Tree inventory with height and girth details species wise existing within lease area and their management plan.

4. Comprehensive plantation scheme with proposal for sowing of seeds (Neem, Kastar, Khamar etc) along the fencing inside the mine area.
5. PP shall also conduct a study to assess the impact of mining and other related activities on river tributary water flow, pollution and on Dam.
6. Under CER PP shall explore the possibility of adopting nearby tribal village for its development in consultation with CEO Zila Panchayat as per fund provision.
7. Out of 44.293 ha. area 28.6421 ha. is Govt land and 15.651 ha. is private land hence, status of land acquisition shall be submitted by PP with the EIA report as per MoEF&CC OM dated 07/10/14.
8. Discuss how water demands (i.e. 9.6 KLD) will be fulfilled. Permission from competent authority shall be annexed with EIA report.
9. Permission from competent dam authority shall be obtained and annexed with EIA report.
10. Detailed evacuation plan considering gradient with transport route, required infrastructure and man-power is to be discussed in the EIA report.
11. Soil profile of the lease area shall be studied and discussed in EIA report.
12. Top soil management plan should be addressed in EIA report.
13. Input data for air modeling considering huge transportation load should be addressed in EIA along with this all back up calculation.
14. 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 8777/2021 Shri Vishwajeet Singh S/o Shri Mahipal Singh Baghel, M.G. Road, Sonkutchh, Dist. Dewas, MP Prior Environment Clearance for Stone Quarry in an area of 3.75 ha. (50009 Cum per annum) (Khasra No. 762), Village - Arniya Jagir, Tehsil - Sonkatch, Dist. Dewas (MP). Env. Consultant Shri Arvind Singh, M/s. Amaltas Enviro.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 762), Village - Arniya Jagir, Tehsil - Sonkatch, Dist. Dewas (MP) 3.75 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri G. K. Mishra , M/s. Amaltas Enviro. on behalf of PP. During presentation, PP showed various documents such as lease

sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No.1200 dated 21.06.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on coordinates provided by PP it was observed that lease area is already mined out PP submitted that it is an old mined out area and they have got lease in this condition and same have been shown on surface map attached with approved Mining Plan. PP further submitted that these pits of 06 to 09 m deep are in existence since 2011 which can be verified from previous Google images. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	24 & 25 m	East & North	Proposal of set back and comprehensive protection plan.
Human settlement	275	West	Protection plan

PP further submitted that lease area is on hillock, this area after leaving set back and mined out area, targeted production can be achieved. Committee recommended that in the EIA report PP shall be justify their submission with reserve estimation and other details. Being it's a case Stone Quarry with total area of 34.921 ha. including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Protection plan w.r.t. human settlement which is 275 meters in the west and a pucca road in the North & east side of the lease hence PP shall propose prescribed appropriate set back.
- Surface run-off management plan as lease is located on the foothill.
- Under CER PP shall be submitted a proposal wherein development of habitats wrt Black buck and appropriate budget and distribution of water saucer with the consultation of local DFO.
- The project proponent shall discuss the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014,

titled “Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”, and shall be discussed in the EIA report.

- Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
- Transportation plan & traffic management plan should be discussed in the EIA report.
- In CER, PP shall submit a proposal for water availability wrt to black buck in consultation with concerned DFO.

5. Case No 8775/2021 M/s Mustafa Khan, Laadganj Mohalla, Mauranipur, Dist. Jhansi, UP - 284204 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (15000 Cum per annum) (Khasra No. 1091/2), Village - Sakuli, Tehsil - Niwari, Dist. Niwari (MP) RQP Shri Ram Vishal Shukla

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1091/2), Village - Sakuli, Tehsil - Niwari, Dist. Niwari (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No.0 2 dated 01.04.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. It was observed that in the DFO letter, wherein it was mentioned that 20% area shall be kept reserved for plantation i.e, out of total 4.0 ha. area, 0.80 ha. area shall be reserved for plantation/green area development. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Trees	Within lease	NW and southern	Trees Occupied area in the NW and southern shall be left as non mining area.
Natural drain	190	West	Provision of Garland drain & settling tanks.
Human settlement	500	North – East	--
Pucca Road	460	North – East	--

It was further observed by the committee that trees occupied area in the NW and southern shall be left as non mining area only 02 ha., area will be available which will be enough for targeted production of 15,000 cum. of stone. DFO has also recommended that 20% of lease area shall be kept reserved for the plantation. PP submitted that trees occupied area in the NW and southern shall is left as non mining area in proposed production layout map in presentation and high density plantation will be carried out in this patch of lease area. It was also observed by the committee that 02 houses are within the lease area for which PP submitted that these houses belongs to PP and will be used as site office. After presentation the committee asked to submit following details:

- Revised Plantation scheme include Chriol, Khamar, Neem, Sitafal, Amla, Ber, Kachnar Bans, Sishoo & other indigenous species and remove species like Arjun, as suggested by committee.
- Revised CER- Propose proposal of shaded trees in the local school as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 23.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 15,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.18.39 Lakh as capital and Rs. 03.21 Lakh/year.
3. As proposed, a minimum of 4800 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.85 Lakh is proposed.

6. Case No 8776/2021 Shri Balwant Singh Bundela S/o Shri Harbal Singh Bundela, Ward No. 5, Vermadang Khas, Dist. Tikamgarh, MP - 472001 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (20000 Cum per annum) (Khasra No. 644/2), Village - Devkha, Tehsil - Jatara, Dist. Tikamgarh (MP) RQP Shri Ram Vishal Shukla

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 644/2), Village - Devkha, Tehsil - Jatara, Dist.

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

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter no. 1547 dated 19.08.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP further submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. During presentation as per Google image based on coordinates provided by PP, it was observed that small part of the lease is mined out (a trench is dugged) in the year 2018. PP stated that they have got the lease in the year 2021 while this small pit is in existence since 2018 and they got the lease in such condition. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	12	North- East & North- West	Three rows of Plantation towards road side.
Human settlement	215	North- East	Three rows of plantation.

PP further submitted that area occupied by trees in the southeastern side is left as non mining area and no production is proposed from this area. After presentation the committee asked to submit following details:

- Revised Plantation scheme include Chriol, Khamar, Neem, Sitaphal, Amla, Ber, Kachnar Chhadia Bans, Sishoo and remove species like Arjun, as suggested by committee.
- Revised CER- Propose proposal of physical target with budget as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 23.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC

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

1. Production shall be as per mine plan with quantity not exceeding for Murrum 20,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.7.91 Lakh as capital and Rs. 03.095 Lakh/year.
3. As proposed, a minimum of 1900 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.85 Lakh is proposed.

7. Case No 8763/2021 Shri Elam Singh Dangi, Village - Khaikheda, Tehsil - Shyampur, Dist. Sehore, MP - 466651 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (10483 cum per annum) (Khasra No. 584/1/2), Village - Khaikheda, Tehsil - Shyampur, Dist. Sehore (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 584/1/2), Village - Khaikheda, Tehsil - Shyampur, Dist. Sehore (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Vishal Shukla on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2189 dated 27.08.2021 has reported that there are 02 more mines (01 mine of Murrum-area, 2.0 ha. & 01 mine of Stone, area 2.0 ha) operating or proposed within 500 meters around the said mine with total area of 04.0 ha., including this mine. PP submitted they have obtained revised Ekle Praman-patra issued vide letter No. 3174 dated 09.11.21 wherein competent authority has mentioned that Stone and Murrum are not homogeneous. It was also observed that part of lease is already excavated; PP submitted that they have got the lease in such condition and pit has shown in the surface map. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	14	North- East	Three rows of Plantation towards road side.

Water body	400	East	Provision of Garland drain & settling tanks.
Road	530	West	Three rows of Plantation towards road side.
Human settlement	80	North- West	20m setback & proposal for three rows of plantation.

PP further submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. After presentation the committee asked to submit following details:

- Legible copy of Gram Sabha tharav prastav.
- Revised surface map showing setback of 20 meters on the north-west side of lease due to habitation.
- Revised Plantation scheme include Chriol, Khamar, Neem, Sitaphal, Amla, Ber, Kachnar Chhadia Bans, Sishoo, Sowing agave bulbils along the lease fencing and remove species like Arjun, as suggested by committee.
- Revised CER- include proposal of distribution of furniture in the local village school with quantification in consultation with concerned local principal & Gram Panchayat as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 23.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 10,483 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.12.42 Lakh as capital and Rs. 03.09 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.65 Lakh is proposed.

8. Case No 8764/2021 Shri Sachin Dungarwal S/o Shri Shreepal Jain, 519, Ringnod, Tehsil - Jaora, Dist. Ratlam, MP - 457376 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (25000 cum per annum) (Khasra No. 1155), Village - Jhalava, Tehsil - Jaora, Dist. Ratlam (MP) RQP Ms. Nikita Prajapati and Mr. Sishupal Verma

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1155), Village - Jhalava, Tehsil - Jaora, Dist. Ratlam (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 4515 dated 04.08.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method.

As per Google image based on coordinates provided by PP, it was observed by committee that a wind mill located at a distance of 180 m western side. Committee observed that SEIAA in their 263th meeting dated 28.11.2015 has decided to leave minimum 300 m distance from the periphery of Wind Turbine Generator Foundation with reference to letter no. 1097 dated 20.11.2015 issued by Commissioner, New & Renewable Energy. Committee observed that if 300 meters area is left as non mining area, no area will be available to carryout mining on this allotted lease. Thus considering above facts committee after deliberation recommends that this case cannot be considered for grant of EC and case file may be sent to SEIAA for onward necessary action.

9. Case No 8767/2021 Shri Chhote Lal Pathak S/o Shri Shambhu Prasad Pathak, Simariya, Gulab Singh, Tehsil Pawai, Dist. Panna, MP - 488001 Prior Environment Clearance for Flagstone Quarry in an area of 1.0 ha. (6000 Cum per annum) (Khasra No. 51, 52, 44, 50/1, 60), Village - Tikariya, Tehsil - Simariya, Dist. Panna (MP) RQP Anil Sharma

This is case of Flagstone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 51, 52, 44, 50/1, 60), Village - Tikariya,

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

The case was presented by RQP Anil Sharma on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 1294 dated 04.10.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that since it is a Flagstone Quarry, no blasting and drilling is proposed. Mining shall be through Opencast Semi Mechanized Method. Further, in the DFO, letter dated 31/03/2021 forest area is at a distance of approx. 61meters from the lease boundary for which PP has obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 07.01.2021 with following conditions:

- Towards the forest boundary, Stone wall shall be constructed by the lessee, under the direction of the Divisional Forest Officer.
- Munare of cement concrete will be constructed all around the lease area.
- CCTV camera installation with 15 days recording.

Committee discussed that above conditions stipulated by Divisional Commissioner Level Forest Committee shall be complied by PP and in case any illegal mining is observed by PP then same shall be immediately brought in to the knowledge of Divisional Forest Officer. During presentation as per Google image based on coordinates provided by PP, it was observed that old pit is in existence in the lease area for which PP submitted that it is an old mine pit and they have got the lease in this condition and pit have shown in the surface map of approved mine plan. PP further submit that top soil will be used for plantation and waste rocks will be backfilled. After presentation committee asked PP to submit response on following issues including irrelevant information provided in From-II, such as:

1. In form-II point no. 10- please provides relevant information.
2. Revised details of mine pit as in from II it is shown as “Zero”.
3. Revised Plantation scheme (add Neem , Chirol, Mahua, Kachnar, Babool) as suggested by committee with proposal for sowing of Castor and Neem seeds along the barrier zone.
4. Revised CER- proposal for white wash in school with appropriate budget as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 23.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Flag Stone as per mine plan with quantity not exceeding 6,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 3.90 Lakh as capital and Rs. 1.94 Lakh/year as recurring has proposed by PP.
3. All conditions stipulated by Divisional Commissioner Level Forest Committee in their meeting held on 07.01.2021 shall be complied by PP and any illegal mining in area shall be immediately brought in to the knowledge of Local Forest Range Officer.
4. As proposed, a minimum of 1500 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.35 Lakh/years is proposed.

10. Case No 8792/2021 Shri Naeem Khan S/o Shri Rehman Khan, Bilkisganj, Tehsil & Dist. Sehore, MP - 450001 Prior Environment Clearance for Murrum Quarry in an area of 2.0 ha. (9600 Cum per annum) (Khasra No. 262/1), Village - Bhandeli, Tehsil - Sehore, Dist. Sehore (MP)

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 262/1), Village - Bhandeli, Tehsil - Sehore, Dist. Sehore (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Anil Sharma on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2713 dated 27.09.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. PP submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast Semi Mechanized Method. 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 2013, they have got the lease in such condition and pit have shown in the surface map of approved mine plan. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha road	Within lease	West	Setback of 10 m. Right of access to be provided to the local villagers for road and three rows of Plantation towards road side.
Human settlement	10	North	Setback of 100 m and three rows of Plantation towards habitation.

During presentation it was observed by the committee that on the northern side of lease habitation is in existence adjacent to the lease and a kachha road is also crossing the lease. PP submitted that they have already left 100 meters area from the habitation as non mining area and 10 meters area both sides of kachha road and attached the plan with the presentation. After presentation the committee asked to submit following details:

1. Commitment for leaving non mining zone as discussed in the meeting.
2. Fencing of 04 strands of wire for safety of person crossing the road.
3. Revised surface map showing setback of 100 m towards habitation and 10 meters road side.
4. Proposal for high density plantation in the non- mining area.
5. Revised Plantation scheme (add species like Neem, Chirol, Mahua, Kachnar, Babool) as suggested by committee with proposal for sowing of Castor and Neem seeds along the barrier zone.
6. Revised EMP as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 23.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 9,600 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.3.36 Lakh as capital and Rs. 02.01 Lakh/year.
3. As proposed, a minimum of 2100 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.25 Lakh/years is proposed.

11. Case No 8772/2021 M/s Pragati India Construction Company, Prem Vihar Colony, Prem Nagar, Dist. Satna, MP - 481882 Prior Environment Clearance for Stone Quarry in an area of 1.150 ha. (Stone - 20000 Cum per annum, Murrum - 8000 Cum per annum) (Khasra No. 182, 183, 184, 185, 187), Village - Barendra Ryt, Tehsil - Bajag, Dist. Dindori (MP) RQP Balraj Choudhary

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 182, 183, 184, 185, 187), Village - Barendra Ryt, Tehsil - Bajag, Dist. Dindori (MP) 1.150 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Balraj Choudhary on behalf of PP wherein PP stated that this lease was obtained under temporary permit (TP) with two years validity. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 437 dated 22.10.2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP it was observed that the lease is on hillock, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Road	240	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Natural drain	240	N & NE	Provision of garland drain and settling tanks.

PP further submitted that w.r.t. isolated houses Tehsildar certificate stated that these houses are belongs to land owner and used for storage of agriculture production and machineries. During presentation it was observed by the committee that land belongs to advasi and lease is sanctioned to a company thus can land belongs to advasi be allotted to other party and if yes what compensation is given to him. After presentation the committee asked to submit following details:

- Clarification regarding allocation of Advasi and to Non Advasi for mining.
- Compensation details to land owners wrt lease agreement.
- Revised Plantation scheme as suggested by committee with proposal for sowing of Castor and Neem seeds along the barrier zone.
- Revised CER specific physical targets as water supply arrangement with boring and water tank in the local Aganwadi as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 28.11.2021, which was placed before the committee. Committee observed that lease is allotted to M/s Pragati India Construction Company, Satna on agreement basis wherein Rs. 1,07,000/- will be paid to PP's as compensation. PP further submitted that GoMP vide letter date 13/07/99 has issued direction for allocating advasi's land to non advasi for mining purpose. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 20,000 cum per annum, Murrum - 8000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.7.07 Lakh as capital and Rs. 01.79 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 1.00 Lakh/years is proposed.

12. Case No 8774/2021 M/s Ravishankar Jaiswal, Arjana, 913, Sneh Nagar, JDA Scheme 11, Dist. Jabalpur, MP - 481882 Prior Environment Clearance for Stone & Murrum Quarry in an area of 1.810 ha. (Murrum - 2600 Cum per annum, Stone - 12680 Cum per annum) (Khasra No. 634, 640), Village - Amadongri, Tehsil - Bajag, Dist. Dindori RQP Balraj Choudhary

This is case of Stone & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 634, 640), Village - Amadongri,

Tehsil - Bajag, Dist. Dindori (M.P.) 1.810 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Balraj Choudhary on behalf of PP wherein PP stated that this lease was obtained under temporary permit (TP) with two years validity. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 459 dated 28.10.2021 has reported that there are one more mine of 1.0 ha. is operating or proposed within 500 meters around the said mine with total area of 2.810 ha., including this mine. As per Google image based on online KML file uploaded by PP it was observed that the lease is on hillock, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachha Road	65	West	Protection plan and three rows of Plantation towards road side.

During presentation it was observed by the committee that land belongs to advasi and lease is sanctioned to a non advasi person thus can land belongs to advasi be allotted to other party and if yes what compensation is given to him. After presentation the committee asked to submit following details:

- Clarification regarding is lease area belongs to Schedule tribe (Baiga)?
- Compensation details to land owners wrt lease agreement.
- Revised Plantation scheme as suggested by committee with proposal for sowing of Castor and Neem seeds along the barrier zone.
- PP's commitment that mining shall be carried out in the Government Khasra no. 634 which has area of area 0.85 ha.
- Revised CER specific physical targets as water supply arrangement with boring and water tank in the local Aganwadi as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 23.11.2021, which was placed before the committee.

Committee observed that lease is allotted to Mr. Ravi Shankar Jaiswal, Jabalpur on agreement basis wherein Rs. 30,000/ year will be paid to PP's as compensation. PP submitted that this lease is not belongs to advasi. The name of PP is baiga which is creating confusion that owner of land is advasi. PP further submitted that GoMP vide letter date 13/07/99 has issued direction for allocating advasi's land to non advasi for mining purpose. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum - 2600 Cum per annum, Stone - 12680 Cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.7.92 Lakh as capital and Rs. 01.94 Lakh/year.
3. As proposed, a minimum of 2400 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 0.50 Lakh/years is proposed.

(A. A. Mishra)
Member Secretary

(Dr. Praveen Chandra Dubey)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murram and Soil quarries:

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

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

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

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

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

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

Annexure- ‘C’

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

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

18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
 - a. Lease owner's Name, Contact details etc.
 - b. Mining Lease area of the project (in ha.)
 - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and. Sowing of seeds (such as Neem, Castor, Babool, Prosopis, Chirol/ locally available species etc) along the lease boundary fencing (trench size shall be 45cm depth x45 cm width) shall be carried out and excavated soil shall be placed between trench and fencing. Sowing of seeds shall be on the excavated soil.
30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.

33. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
34. 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. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
6. An inventory of flora & fauna based on actual ground survey shall be presented.
7. Risk factors with their management plan should be discussed in the EIA report.
8. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
9. The EIA document shall be printed on both sides, as far as possible.
10. All documents should be properly indexed, page numbered.
11. Period/date of data collection should be clearly indicated.
12. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
13. 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.
14. 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.
15. Grant of TOR does not mean grant of EC.
16. 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.
17. 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.
18. 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.
19. All the necessary NOC's duly verified by the competent authority should be annexed.
20. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
21. 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.
22. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
23. 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.
24. 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.

25. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
26. 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.
27. 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.
28. 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.
29. 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.
30. The project proponent shall provide the mitigation measures as per MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
31. LPG gas shall be provided for camping labour under "Ujjwala Yojna".
32. 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).
33. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The undertaking inter-alia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
34. 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.
35. 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.
36. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
 - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
 - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
 - ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.

- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ In the proposal for plantation, entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and. Sowing of seeds (such as Neem, Castor, Babool, Prosopis, Chiroi / locally available species etc) along the lease boundary fencing (trench size shall be 45cm depth x 45 cm width) shall be carried out and excavated soil shall be placed between trench and fencing. Sowing of seeds shall be on the excavated soil.
- ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
- ✓ Where ever Aushadhi Vatika (Medicinal plants including herbs, shrubs, climber) is proposed by PP, minimum 50 saplings be planted considering 80% survival.

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.

37. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
38. Detailed analysis of availability and quality of the drinking water resources available in the block.
39. 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.
40. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.