

The 516<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 23<sup>rd</sup> September, 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 8654/2021 Shri Tapan Vaishnav, S/o Premnarayan Vaishnav, 52/1, Jain Colony, Nayapura, Dist. Ujjain, MP - 456006 Prior Environment Clearance for Stone Quarry in an area of 3.990 ha. (5000 cum per annum) (Khasra No. 07), Village - Umariya Jagir, Tehsil - Ujjain, Dist. Ujjain (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 07), Village - Umariya Jagir, Tehsil - Ujjain, Dist. Ujjain (MP). 3.990 Ha. The project requires prior EC before commencement of any activity at site.

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

**2. Case No 8650/2021 Shri Sunil Kumar Singh S/o Shri Rampal Singh, Village - Pachkhora, Post - Waidhan, Dist. Singrauli, MP Prior Environment Clearance for Stone Quarry in an area of 1.680 ha. (27094 cum per annum) (Khasra No. 1169/1, 1180, 1186, 1187), Village - Makrohar, Tehsil - Mada, Dist. Singrauli (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1169/1, 1180, 1186, 1187), Village - Makrohar, Tehsil - Mada, Dist. Singrauli (MP) 1.680 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Sishupal Verma and Ms. Nikita Prajapati RQP 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. 2963 dated 13/08/2021 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 11.29 ha., including this mine. 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
No. of Trees	within lease	Sparsely distributed	PP stated these are 24 in nos. and 09 are proposed for felling .
Pucca Road	140 & 170	South	Dense plantation shall be developed.
Human settlement	100 140	West South	Set back of 100 meters and 60 meters respectively and protection plan w.r.t. human settlement.

During presentation the committee observed that within lease in the centre part (the area which will be available after leaving non mining area due to settlement) large number of trees is in existence. Even the entire lease area is green and occupied by quiet a good numbers of well grown tress. PP submitted that there are 24 trees in the lease out of which 09 will be uprooted. Committee deliberated that even after leaving non mining area approx 09 trees will be uprooted and considering above sensitivity case cannot be considered for grant of TOR/EC and case file may be sent to SEIAA for onward necessary action please.

**3. Case No 8659/2021 Shri Vijay S/o Shri Kishor Kumar Jaiswal, 3, Bhoj Mohalla, Dist. Indore, MP Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (Stone - 60000 cum per annum, Murrum - 3684 - cum per annum) (Khasra No. 2480, 2526, 2527, 2541, 2542, 2543, 2552, 2553, 2547, 2548, 2549, 2550, 2551), Village - Kampel, Tehsil - Khudel, Dist. Indore (MP)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 2480, 2526, 2527, 2541, 2542, 2543, 2552, 2553, 2547, 2548, 2549, 2550, 2551), Village - Kampel, Tehsil - Khudel, Dist. Indore (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Sishupal Verma and Ms. Nikita Prajapati RQP 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. 1732 dated 27/07/2021 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. During presentation it was informed to the PP by committee that complete copy of DSR is not uploaded and also not attached with case file. PP submitted that by mistake this has happened and they are carrying the complete set of DSR which is attached with the copy of presentation submitted by them. Within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
Pucca Road	100	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
River	300	East	Provision of Garland drain & settling tanks.
Human settlement	2500	North-West	Provision of controlled blasting with arrangements of sand bags and three rows of Plantation towards road side in the EIA report .

The committee after deliberation decided that being it's a case of cluster of more than 5.0 ha. area thus, committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Transportation plan & traffic management plan should be discussed in the EIA report.
3. Hydro- geological study should be carried out if any ground water intersection is proposed.
4. Top soil management plan should be addressed in EIA report.
5. Input data for air modeling considering huge transportation load should be addressed in EIA along with this all back up calculation.

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.

**4. Case No 8636/2021 M/s VNS Solution, Smt. Saroj Sharma, 240, New Jiwaji Nagar, Thatipur, Dist. Gwalior, MP - 474001 Prior Environment Clearance for Common Bio Medical Waste Treatment Facility (CBWTF) at Plot No. 16 GAA, Village - Malanpur Ghirongi Notified Industrial Area, Tehsil - Bhind, Dist. Bhind (MP)**

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 14<sup>th</sup> September, 2006 and its subsequent amendments dated 17<sup>th</sup> 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 Arvind Singh, 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 notified industrial area at Malanpur, Ghirongi, Tehsil - Bhind, Dist. Bhind (MP).

PP stated following salient features of the project are as:-

- M/s. VNS Solution is proposing to establish Common Bio-Medical Waste Treatment Facility in Malanpur Ghirongi, Bhind district to provide cleaner and healthier environment
- The project IN charge is Mrs. Saroj Sharma of M/s. VNS Solution (Proprietor).
- The project site is industrial plot having an area of 4500 Sq.mt. (1.11 Acre) land is on lease by Common Bio Medical Waste Treatment Facility.
- 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 17<sup>th</sup> April, 2015 of MoEF&CC, therefore, the project requires prior Environmental Clearance

• **PROJECT BRIEF**

<b>Total Plot Area</b>	<b>4500 Sq.mt.(1.11 Acre) or 4500 Sq.mt.</b>
<b>Open Area</b>	809.23 sq.mt.
<b>Green Area</b>	1138.66 sq. mt.
<b>Capacity</b>	1 No. Incinerator of capacity 200 kg/hr (Dry) 1 No. Autoclave of capacity 200 kg/hr 1 No. Shredder of capacity 200 kg/hr each ETP Capacity – 7.5 KLD (MBBR)
<b>Water Requirement</b>	Approximately 5 KLD of water required during construction of the unit from Private water tankers. Water Demand in Operational Phase:

• **PROJECT SITE JUSTIFICATION**

The CBWTF project site of M/s. M/s. VNS Solution is justified as per Biomedical Waste Handling Rules (2016) as follows: -

<b>Location</b>	The CBWTF shall be located as near to its area of operation as possible in order to minimize the travel distance in waste collection.  Preferably it will be installed in industrial Area for relaxation from buffer zone study.	CBWTF site is located in Red Zone of notified industrial area , Plot No. 16 GAA, Malanpur Ghirongi, District – Bhind, Madhya Pradesh, which is nearer to the city sites .
	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 Kheriya Keshar which is 1.1 km in ENE 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.
<b>Land Requirement</b>	Minimum required land for CBWTF is 1 acre to provide sufficient space for project machinery and vehicle movement	The project area is 1.11 Acre (4500 sq.m.)
<b>Coverage Area</b>	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 Bhind district. Total Beds availability are more than 28000 in nearby 150 KMs. Radius area hence new CBWTF setup will be required & justified.

Committee after deliberations committee 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. Considering food industry near to the project site (on the East side) and habitations on SE side, PP will carry out air modeling (plume dispersion) selecting suitable software and discuss in EIA report where maximum GLC would occur. PP will also submit the exact distance of nearest industry (on the East side) and habitations on SE side from the all four corners of the project location and justify that this CBWTF will not cause any adverse impact on this industry in the vicinity. The stack height shall be proposed considering above sensitivities.
3. The proposed layout plan of the project should be revised and provision should be made for the entry from the main road situated in southern direction.
4. Data collection of EIA should be done under the intimation to the M.P. Pollution Control Board, Bhopal for coming winter season.
5. One monitoring location should be fixed in the nearby industry (on the East side) and habitations on SE side for monitoring of air, noise water, soil etc.
6. Considering habitation near to the project site (on the SE side), PP should provide the details of habitations with sensitive features such as no. of houses, no. of

- residents and details of other structures such as schools, hospitals, source of water supply etc.
7. Justify in EIA report considering habitation near to the project site (on the SE side) 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. In the EIA report, PP should provide the type of industries existing in the area with the list of MP, AKVN, Gwalior.
  11. Justify in EIA report, how unit will remain zero discharge.
  12. PP shall obtain CTE from the MP Pollution Control Board and same shall be appended with EIA report.
  13. Proposal for GPS enable vehicles and their route maps shall be discussed in the EIA report.
  14. Elaborate handling and disposal of hazardous waste and possible spillage avoidance in the EIA report.
  15. Ash storage and sharp pit design criteria shall be discussed in the EIA report.
  16. 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.
    - ✓ 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.
  17. Under Plantation Scheme with budgetary allocations:
    - ✓ Comprehensive green belt plan as suggested by committee by adding native species such as species like 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.
- ✓ 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 concerned CCF, Social Forestry Circle or concerned DFO or any other competent agencies.

**5. Case No 8646/2021 M/s GHV (India) Pvt. Ltd, Shri Ashok Kumar Sharma, Project Manager, AML Center - 1, Mahakali Caves Road, Near Traveller Hotel, Near Paper Work Factory, Andheri East, Dist. Mumbai, Mah. - 458001 Prior Environment Clearance for Stone & Murrum Quarry in an area of 4.0 ha. (Stone - 100000 cum per annum, Murrum – 50,000 cum per annum) (Khasra No. 3251), Village - Semalkhedi, Tehsil - Nalkheda, Dist. Agar Malwa (MP)**

This is case of Stone & Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 3251), Village - Semalkhedi, Tehsil - Nalkheda, Dist. Agar Malwa (MP) 4.0 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, Env. Consultant, on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 822 dated 03/8/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

PP submitted that it's a case of stone & Murrum quarry and lease is sanctioned as TP. And the pit which is existed within lease is since 2011, even allotment of lease. This pit has also shown on surface map. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the	Direction	Remarks



	lease area in meters		
Pucca Road	400	West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Natural Drain	70	West	Provision of Garland drain & settling tanks.

Committee asked PP to develop dense plantation in the North side of the lease area where abundant soil are observed through Miyawalki Technique (2MX2M) because in the rest of the area rock outcrop are exposed where plantation is seems to be difficult. After presentation committee asked PP to submit response on following information –

1. Commitment that 5000 saplings will be planted and revised plantation species by adding Karanj, Neem, Bargad, Jungle Jalebi etc. in place of Shatoot, Giloy & Kathal.
2. Commitment for plantation through Miyawalki Technique (2MX2M) in the North side of the lease.
3. Revised CER propose plantation species as Kathal, Katangbans, Munga, Jamun, Reetha, Mango etc. along the boundary of the stadium.
4. Commitment that entire plantation and CER will be completed in the first year.

PP has submitted the response of above quarries same date vide letter dated 23.09.21, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The 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 – 1,00,000 cum per annum, Murum – 50,000 cum per annum .
2. A budgetary provision for Environmental management Plan of Rs. 23.070 Lakh as capital and Rs. 12.09 Lakh/year.
3. As proposed, a minimum of 5,000 trees shall be planted within one year in the barrier zone, evacuation road and village as per the submitted plantation scheme.

**6. Case No 8647/2021 Shri Kallu Pachori S/o Shri Sitaram Pachori, Nehru Ward, Housing Board Colony, Dist. Katni, MP Prior Environment Clearance for Murrum Quarry in an area of 1.68 ha. (8458 cum per annum) (Khasra No. 842, 843, 844/2, 845), Village - Raipura, Tehsil - Rithi, Dist. Katni (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 842, 843, 844/2, 845), Village - Raipura, Tehsil - Rithi, Dist. Katni (MP) 1.68 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, Env. Consultant, 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. 4505 dated 16/8/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During presentation it was observed by the committee that it's a case of Murrum thus no blasting is proposed. As per Tehsildar certificate regarding sensitive features within 500 meters, stated that approximately 08 families are residing and if consider 100 m set back distance criteria w.r.t. NGT order dated 21<sup>st</sup> July 2020, then only 0.6 ha. area available for mining. In this context PP was shown their consent to take up mining activity in such a small area, PP further stated that their demand of Murrum is just only 8,458 cum per annum, hence, this quantity shall be fulfilled from the rest of the available lease area. After presentation committee asked PP to submit response on following information –

1. Revised production plan leaving 100 meters area non- mining.
2. Revised plantation species add Amla, Reethi and as suggested by the committee.
3. Revised EMP as suggested by the committee.

**7. Case No 8655/2021 Smt. Uma Paliwal W/o Shri Santosh Paliwal, 71, Gram - Tajkheda, Tehsil - Taal, Dist. Ratlam, MP - 457118 Prior Environment Clearance for Stone Quarry in an area of 2.0 ha. (Stone - 19400 cum per annum, Murrum - 10000 cum per annum) (Khasra No. 04), Village - Kharwakalan, Tehsil - Taal, Dist. Ratlam**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 04), Village - Kharwakalan, Tehsil - Taal, Dist.

Ratlam (M.P.) 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, Env. Consultant, 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. 4592 dated 19/8/21 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.0 ha., including this mine. 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
Pucca Road	85	South	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Human settlement	250 & 640	East & West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

It was further observed that as per M.O. letter 01 mine existed within 500 meters while on Google map 03 more mines could be located in the north, south & west direction of the lease. Hence committee asked PP to submit justification of M.O. w.r.t to other mines within 500 meters for further appraisal of this case.

**8. Case No 8658/2021 Shri Akshay Paal S/o Shri Khemchandra Paal, 20, Avantipura, Geeta Colony, Dist. Ujjain, MP Prior Environment Clearance for Stone and Murrum Quarry in an area of 4.0 ha. (Stone - 20768 cum per annum, Murrum - 5934 - cum per annum) (Khasra No. 307), Village - Gunaikhalsa, Tehsil - Ujjain, Dist. Ujjain (M.P.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 307), Village - Gunaikhalsa, Tehsil - Ujjain, Dist. Ujjain (M.P.) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

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

**9. Case No 8649/2021 M/s Akash Granite, Prop. Shri Dinesh Chandra Gupta, Indira Nagar, Karbai, Dist. Mahoba, UP - 210424 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (1,20,000 cum per annum) (Khasra No. 499), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) Environment Consultant : Globus Environment Engineering Service, Lucknow.**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 499), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Shri Anand Gupta on behalf of PP from M/s. Globus Environment. 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. 2474 dated 29/7/21 has reported that there are 06 more mines operating or proposed within 500 meters around the said mine with total area of 19.105 ha., including this mine. Within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
Water body	>120	South- East
Pucca Road	900	North –West

The Committee further observed that the on-line mine plan maps are not uploaded on the Parivesh Portal by PP. During appraisal it was observed by committee that lease area is already mined out since 2017 and lease was also allotted to the PP in the year 2017. PP submitted that after allotment of lease case was filled in the court of law and was decided in the year 2020 and they have not carried out mining in the area. Committee after

deliberation decided that PP shall submit M.O. clarification regarding existing mined out pit in the lease area for further consideration.

**10. Case No 8652/2021 M/s Maa Jaya Serve Service Pvt. Ltd, House No. 236, Ward No. 25, Lakhanguva Nagar Parishad Satai, Dist. Chhatarpur, MP - 471408 Prior Environment Clearance for Stone & M-Sand Quarry in an area of 2.0 ha. (Stone - 12000 cum per annum, M-sand - 18000 cum per annum) (Khasra No. 86/1), Village - Dugariya, Tehsil - Rajnagar, Dist. Chhatarpur (MP).**

This is case of Stone & M-Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 86/1), Village - Dugariya, Tehsil - Rajnagar, Dist. Chhatarpur (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Milan Pathak 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. 1160 dated 17/3/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation, PP submitted that it's a case of Stone and M-Sand Query mine wherein mining will be carried out as per approved mine plan with semi mechanized open-cast method of mining. Within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>	<b>Remarks</b>
River	230	West	Provision of Garland drain & settling tanks.
Human settlement	950	North	Protection plan & muffle blasting with arrangements of sand bags

			and three rows of plantation in this side.
Water body	20 & 120	North & South East	Set back of 80 meters inside the lease from the water body in the North side of the lease & Provision of Garland drain & settling tanks.

After presentation committee asked PP to justify the basis for application for M-sand production as same is not sanctioned in lease order, Gram sabah permission and also not discussed in the mine plan.

**11. Case No 8653/2021 M/s Mahakal Minerals and Constructions, Shri Jitendra Kumar Sharma, Village - Dugariya, Tehsil - Rajnagar, Dist. Chhatarpur (MP) Prior Environment Clearance for Stone & M-Sand Quarry in an area of 1.053 ha. (Stone - 3782 cum per annum, M-sand - 5673 cum per annum) (Khasra No. 529/2, 463/1), Village - Ghuravali, Tehsil - Bada Malhera, Dist. Chhatarpur (MP)**

This is case of Stone & M-Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 529/2, 463/1), Village - Ghuravali, Tehsil - Bada Malhera, Dist. Chhatarpur (MP) 1.053 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Shri Ram Milan Pathak 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. 1159 dated 17/3/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. 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
Pucca Road	50	West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Human settlement	640	West	Protection plan & muffle blasting with arrangements of sand bags and three rows of plantation in this side.
Natural Drain	340	East	Provision of Garland drain & settling tanks.

After presentation committee asked PP to justify the basis for application for M-sand production as same is not sanctioned in lease order, Gram sabah permission and also not discussed in the mine plan.

#### **Discussion on Query Reply submitted by PP**

**12. Case No 8518/2021 Shri Mahesh Patidar S/o Shri Kailash Patidar, H.No. 06, Block Ekta, Chinar Fortune City, Hoshangabad Road, Dist. Bhopal, MP - 462047 Prior Environment Clearance for Stone Quarry in an area of 4.0 ha. (3325 cum per annum) (Khasra No. 151, 152), Village - Rajeev Nagar, Tehsil - Huzur, Dist. Bhopal (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 151, 152), Village - Rajeev Nagar, Tehsil - Huzur, Dist. Bhopal (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office (Ekal Praman-Patr) letter no.

1162 dated 22/3/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings. Since the tenure of SEAC will be over on 09<sup>th</sup> April, 2021 and all such cases which are pending at SEAC will become category-I cases in the absence of SEAC. Thus case file is being sent to SEIAA for onward necessary action please. PP vide letter dtd 02/7/21 received in SEIAA office on 2/7/21 requested to relist the case by showing his interest to present the case. Therefore, it has been decided to relist the case and send the technical file to SEAC for appraisal.

The case was presented by RQP Swati Namdeo on behalf of PP during presentation it was observed by the committee that in an area of 4.00 ha sanctioned volume of Stone is only 3325 cum/year. PP further submitted that to carryout mining approx. 05 meters of OB is to be removed and stacked inside the lease as PP has not permission for its disposal. Pp submitted that this OB will be used for maintainenec of haul road. Committee observed that this proposal is technically not feasible because removal of approx. 05 meters OB and its stacking within the lease will involve financial cost and thus proposal becomes techno-financially not suitable considering the proposed cost of EMP (approx. 17.00 lakhs). PP submitted that initially PP intends to get EC for this volume but later on may apply for expansion. Committee after deliberations decided that PP may submit revised EMP and OB management plan so that project becomes techno-financially acceptable. During appraisal it was also observed by the committee that there are several mistakes in the form-II submitted by PP. After presentation committee asked PP to submit response on following issues including irrelevant/misleading information provided in From-II, such as:

1. In point no. such as 13.1, 14.6, 16, 17, 35(04), 35(16) details are wrongly mentioned, please revise.
2. Revised EMP and OB management plan so that project becomes techno-financially acceptable.
3. Commitment that generated OB will not be disposed off through sale.



4. Under CER scheme with physical targets:

- ✓ Proposal for CER activates should preferably be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing (if public hearing is conducted)
- ✓ 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 and plantation scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.

5. Under Plantation Scheme with budgetary allocations:

- ✓ 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 / Gram Panchayat / Forest Department / 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 or any other competent agencies.
- ✓ Commitment that local palatable perennial grass species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose or through Gram Panchayat on suitable community land in the concerned village area.

PP has submitted the response of above quarries same date vide letter dated 02/09/2021, 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 after deliberation found that 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 3325 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 9.88 Lakh as capital and Rs. 01.16 Lakh/year.
3. As proposed, a minimum of 4800 trees shall be planted within one year in the barrier zone, evacuation road and village as per the submitted plantation scheme.

**13. Case No 8573/2021 Shri Vaibhav Jain S/o Shri Vimal Jain, Ambedkar Ward No. 12, Silwani, Dist. Raisen, MP - 464551 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (8550 cum per annum) (Khasra No. 117/2 Part), Village - Ghoorpur, Tehsil - Silwani, Dist. Raisen (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 117/2 Part), Village - Ghoorpur, Tehsil - Silwani, Dist. Raisen (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the 507<sup>th</sup> SEAC meeting dated 10/08/2021. 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. 52 dated 24/4/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.429 ha., including this mine.

During presentation it was observed by the committee that as per Google image based on coordinates provided by PP two mines are in existence within 500 meters however, MO has reported only one mine. PP submitted that other mine was sanctioned as TP and now not in operation. Committee after deliberation decided that PP may obtain clarification on above issue from the mining officer clearly stating the number of mines sanctioned within 500 meters, details of mines which are not in operation with reason for further consideration of this case.

The case was presented by RQP Swati Namdeo on behalf of PP , wherein it was submitted that as suggested by SEAC they have obtained revised MO certificate issued

vide letter no. 605 dated 27.08.21 wherein MO stated that another mine in 500 m was sanctioned during 23.11.19 to 18.07.21 on TP basis and right now is not in operation. Thus only 01 mine within 500 m. Committee after deliberation decided that this case shall be schedule for re-appraisal in the forthcoming SEAC meeting.

**14. Case No 8617/2021 Shri Kapil Yadav S/o Shri Harinarayan Yadav, R/o Damoh, Tehsil & Dist. Damoh, MP - 470661 Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (7100 cum per annum) (Khasra No. 576/2, 573/2), Village - Appchand, Tehsil - Sagar, Dist. Sagar (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 576/2, 573/2), Village - Appchand, Tehsil - Sagar, Dist. Sagar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the 509<sup>th</sup> SEAC meeting dated 28/08/2021. During presentation, consultant exhibits various documents such as lease sanction order, Gram Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office letter No. 1049 dated 24/07/2021 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 3.80 ha., including this mine. During presentation it was observed by the committee that as per Google image based on coordinates provided by within 500 meters following sensitive features were observed of the lease area:

<b>Sensitive Features</b>	<b>Approximate aerial distance from the lease area in meters</b>	<b>Direction</b>
Pucca road	135	South

After presentation committee asked PP to submit response on following issues including imparting corrections in From-II, such as:

1. In point no. such as 13.1, 17, 19, 35(10) etc details are wrongly mentioned, please revise.
2. Revised plantation species as suggested by committee.
3. PP's commitment that no tree felling is proposed.

4. Proposal for use of pesticide shall be replaced by organic pesticides.
5. Under CER scheme with physical targets:
  - ✓ Proposal for CER activates should preferably be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing (if public hearing is conducted)
  - ✓ 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.
6. Under Plantation Scheme with budgetary allocations:
  - ✓ Comprehensive green belt plan as suggested by committee 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 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.

PP has submitted the response of above quarries same date vide letter dated 13/09/2021, 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 after deliberation found that 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 7100 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs.8.41 Lakh as capital and Rs. 01.20 Lakh/year .
3. As proposed, a minimum of 1200 trees shall be planted within 03 year in the barrier zone, evacuation road and village as per the submitted plantation scheme.

**(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 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. 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 2<sup>nd</sup> 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.