

The 426th meeting of the State Expert Appraisal Committee (SEAC) was held on 27th February, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Shri R. S. Kori, Secretary.

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

- 1. Case No. - 5668/2018 Shri Mukul Khampariya, Owner, Vill. Gandhigram, Teh. Sihora, Dist. Jabalpur, MP Prior Environment Clearance for Laterite, Iron Ore Mine in an area of 4.47 Ha... (1,16,224 ton per annum (Laterite- 59,224 TPA & Iron Ore – 57,000 TPA) (Khasra no. 1547) at Vill. Gandhigram, Teh. Sihora, Dist. Jabalpur, M.P.Environmental Consultant: Vardan Environet.**

This is case of Laterite, Iron Ore Mine. The proposed site is located at (Khasra no. 1547) at Vill. Gandhigram, Teh. Sihora, Dist. Jabalpur, (MP) 4.47 Ha. The project requires prior EC before commencement of any activity at site. PP has submitted the TOR application forwarded through SEIAA vide letter no.29 dated 04/04/2018

Earlier this case was presented by PP and their consultant in 312th SEAC Meeting dated 17/04/2018, wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 08/01/2020 which was forwarded through SEIAA vide letter no. 4382 dated 12/02/2020.

EIA was presented by PP and their consultant wherein following details were submitted by PP:

- The Mining lease was granted in favor of Shri Mukul Khampariya (Project Proponent) by State Govt. Vide Letter No. F3-47/2005/12/2 dated 27.05.2008 over an area of 4.47 Ha. for mineral Laterite & Iron Ore located at village Gandhigram, Tehsil-Sihora, Dist-Jabalpur (Madhya Pradesh). The execution of lease was held on dated 20.02.2009 and the validity of lease period is from 20/02/2009 to 19/02/2029 i.e. 20 years.

- Scheme of Mining has been prepared under rule 12 (3) of MCDR 1988 for the period of 2015-16 to 2019-20 and approved by IBM, Regional Office, Jabalpur, vide letter no.-MP/Jabalpur/Iron Ore/M.Sch.-120/14-15/2914 dated 19.05.2015 valid upto 31.03.2020.
- Total water requirement for the mining project is 10.00 KLD. Water requirement is fulfilled through hired tankers. Rain water accumulated in the mine is being/ will be used for dust suppression and plantation.
- Manpower requirement for the project is 33 persons.
- The mine lies at Govt. Revenue Land over an area of 4.47 ha. The lease area is about 28 Km from the district Headquarter Jabalpur and 15.30 Km North East of Tehsil Sihora. The project site is well connected by Rail, Roads and Air. NH-7 is approx 0.1 Km towards NW direction. The nearest railway station is Gosalpur Railway Station which is approx. 3.0 Km towards NE direction and Jabalpur Airport 20.0 Km towards SE direction.
- The water table of the area is 24-28 mbgl (362 mRL to 366 mRL). Ultimate depth of mine working is 383 mRL (13 mbgl from Surface Level) thus the water table will not be intersected by this project.
- The mining operation is carried out by opencast semi mechanized method. There is overburden in the form of soil & Laterite waste ores. The benches will be from 404 mRL to the pit bottom upto 383 mRL.
- Geological reserve is 7,43,594 Tones and Mineable reserve is 6,42,745 Tones. Considering large minable reserve and the proposed rate of production of 116224 TPA, the life of deposit comes to 7.0 years.
- The project cost is Rs. 30.0 Lakhs. The EMP recurring Cost is Rs. 7.75 Lakhs/annum. CER budget is Rs. 5.0 Lakhs/year. Cost for Biodiversity conservation is Rs. 5.0 Lakhs.
- Green belt & plantation shall be carried out in the lease area and total 2000 trees will be planted during next 5 years over 1.80 ha area which is covers more than 33% of total lease area. It has been proposed that around 400 trees will be planted each year considering the target of production. The plantation will be carried out around the safety zone of 7.5 m around ML area, along the internal roads of the mine and on the unused area of the mine and buffer area. Budget for plantation is Rs. 3,75,000/year.

During presentation as per Google image based on coordinates provided by PP within 500 meters following sensitive other sensitive features-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	Adjacent to lease	North	Setback of 50m shall be maintained as non-mining area from natural drain in lease.

National Highway 07	70	North-West	30meters setback to be left in lease as non-mining area from NH-07
Habitation	Adjacent to lease	North-West	<ul style="list-style-type: none"> ➤ 50 meters setback to be left in lease as non-mining area from habitation ➤ Three rows of plantation ➤ No blasting proposed

PP further stated mine was operating since 2009-2014; from July 2014 no operation was there. The baseline data was collected from 1st March to 31st May 2018. At the end of conceptual period total 3.79 ha area will be excavated in which 1.40 ha area will be reclaimed and reclaimed area developed as green belt. 1.80 ha area will be used for green belt development and 0.01 ha area remains under road. 2.39 ha. Excavated area convert into small water reservoir and fencing shall be done along with boundary. No Blasting is proposed in this project. After detail discussion and deliberation, committee has asked the PP to submit the following information:-

- Revised EMP & CER by adding proposal for grazing land as per latest O.M dated 16/01/2020.
- Commitment from PP that site shall fence properly towards habitation at North-West side of lease boundary and dense plantation shall be done in upcoming monsoon season.
- Submitted surface map showing no- mining area towards National Highway 07 & habitation.

PP has submitted the response of above quarries vide letter dated 27.02.2020 which was placed before the committee and the same found satisfactory. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Laterite, Iron Ore Mine in an area of 4.47 Ha. (1,16,224 ton per annum (Laterite- 59,224 TPA & Iron Ore – 57,000 TPA) (Khasra no. 1547) at Vill. Gandhigram, Teh. Sihora, Dist. Jabalpur, M.P.subject to the following special conditions:

(A) PRE-MINING PHASE

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

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

(B) MINING OPERATIONAL PHASE

9. No blasting shall be carried out.
10. Site shall fence properly towards habitation at North-West side of lease boundary and dense plantation shall be done in upcoming monsoon season.
11. No explosive will be stored at mine site.
12. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
13. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 2000 nos. of trees shall be planted within and outside the ML area.
14. Transportation of material shall be done in covered vehicles.
15. Transportation of minerals shall not be carried out through forest area.
16. The OB as over burden shall be reutilized for backfilling. PP shall bound to compliance the final closure plan as approved by the IBM.
17. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. Two garland drains of size 1m x 1.5m x 2m (L x W x D) are proposed. 05 settling tanks of size 5m x 3m x 3m (L x W x D) are proposed.
18. No mine water shall be discharged outside of the lease and zero liquid discharge shall be maintained.
19. Transportation road shall be made pucca.
20. For dust suppression over head Sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.

21. 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.
22. The existing and proposed land use plan of the mine is as follows:

S.No.	Land Use category	Present (in Ha)	5 th Year (in Ha)	Conceptual Period (in Ha)
1	Excavation	2.94	3.11	3.79 (2.39 Ha. Converted into Water Reservoir and 1.40* Ha. is backfilled and used for plantation)
2	Waste Dump	0.33	0.631	---
3	Top Soil Dump	---	--	---
4	Road	0.01	0.01	0.01
5	Built Up Area	0.01	0.01	---
6	Township Area	---	---	---
7	Afforestation	---	---	0.40
8	Reclamation (Backfilled)	0.125 (Used for plantation)	0.125 (Used for plantation)	1.40* (Used for plantation)
9	Mineral Storage	---	---	---
10	Processing (Crushing)	---	---	---
11	Undisturbed Area	1.055	0.584	0.27
	Total	4.47	4.47	4.47

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

(C) ENTIRE LIFE OF THE PROJECT

29. The proposed EMP cost is Rs. 29.46 lakhs and Rs. 7.75 lakhs /year are proposed as capital and recurring expenses respectively.
30. Under CER activity, Rs. 5.00 lakhs are proposed in different activities and should be implemented through respective committees.
31. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
32. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
33. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
34. PP will comply with all the commitments made vide letter dated 27.02.2020.
35. 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/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. Case No. – 6347/2019 Shri Sukhdeo Prasad Goyanka, Village - Kubri, Tehsil - Maihar, Dist. Satna, MP Prior Environment Clearance for Expansion of Limestone, Bauxite and Clay Quarry in an area of 69.30 ha. (2,10,803 tonne per annum) (Khasra No. 27, 29, 30P, 31P, 32P, 33, 34, 35P, 110P, 112, 113, 114, 119, 1), Village - Kubri, Tehsil - Maihar, Dist. Satna (MP).EIA CONSULTANT-CSIR-Central Institute of Mining and Fuel Research.

This is case of Expansion of Limestone, Bauxite and Clay Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 27, 29, 30P, 31P, 32P, 33, 34, 35P, 110P, 112, 113, 114, 119, 1), Village - Kubri, Tehsil - Maihar, Dist. Satna (MP) 69.30 Ha. The project requires prior EC before commencement of any activity at site.

This is a Mining Lease of mineral Limestone, Clay and Bauxite, near village- Kubri, Tehsil- Maihar, District- Satna, Madhya Pradesh over an area of 69.301 hectare. GO has been issued in favour of M/s Sukhdeo Prasad Goenka, Station Road Katni vide deed no 451108 made on 19/08/2014.

The mine lease area is >50ha. is considered as Category ‘A’ project as per MOEF Office Memorandum J-13012/12/2013-IA(I) Dated 24th December 2013 hence it come under jurisdiction of Central Environment Impact Assessment Authority (EIAA), MOEF, New Delhi. Lessee applied for Environment Clearance under EIA Notification, 2006. Proposed production from this mine is 2,10,803 tone/annum Tone per annum.

TOR of the project obtained from MOEF 28/03/2017 but due to recent notification the EIA/EMP is to be considered by SEIAA/SEAC

EIA was submitted by the PP vide letter 06/06/2019 which was forwarded through SEIAA vide letter no 1105 dated 11/06/2019, which was placed before the committee.

The EIA was presented by the PP and their consultant in the 382nd SEAC meeting dated 09-07-2019, wherein following details were submitted during presentation by PP:

Salient features of the project:

Sl. No.	Item	Description
1.	Name of the Project	Lime Stone, Bauxite and Clay Mine at Village: Kubri, Tehsil: Maihar, Dist: Satna(M.P)
2.	Promoting Company	M/s Sukhdeo Prasad Goenka Goenka Bhavan, Station Road ,Katni, -483501,M.P.
3.	Location of the project	Village: Kubri Tehsil : Mahiar District: Satna State: Madhya Pradesh .The area lies between Longitude Latitude: 240 06’ 49”.4 N to 240 07’ 38”.0 N , Longitude: 800 47’ 05.7” E to 800 47’ 44”.0 E and the part of Toposheet no-63D/16. (Page 8 of Mining Plan)
4.	Lease hold area /cost of project	69.301 Hectare /100 corers
5.	Proposed Mine Capacity	Peak - 2.10,803 tonne/annum
6.	Type of Mining	Open cast
7.	Mining Plan	Mining Plan is approve by Indian Bureau of mines Jabalpur vide letter no MP/Satna/Limestone/MPLN/MOD-29/15-16/2225 dated 22.07.16

Proposed Production	- 2.10,803 tonne/annum
Validity of lease	20 years
Ultimate depth	21.5 meter
Method of working	Opencast Mechanized with controlled blasting (whenever required).
Water demand	25.0KLD (1.0KLD for Drinking, 24.0KLD for Dust Suppression and Plantation)

Man Power requirement	33
Nearest Railway station/Air Port Nearest state / national highway	Railway Station: Maihar (10 km) Airport: Jabalpur (130 Km) State Highway: 5 KM

PROJECT AFFECTED FAMILY (PAF) AND PEOPLE (PAP)

SL. NO.	VILLAGE	PAF	PAP
1	KUBRI	1	35
TOTAL		1	35

During presentation it was observed from the Google image that a HT line is passing through the lease and 50 meters of area from the both sides in the lease to be left as non-mining zone. After presentation PP was asked to submit following details:

1. Undertaking that blasting shall be carried-out by licensed person.
2. Details of blasting geometry and the machinery used are to be submitted.
3. Revised EMP & CER as suggested during presentation.
4. Detailed R&R plan with copy of all the papers and consent letter from the Project affected families i.e. PAF regarding their R & R issues.
5. Clarifications regarding any litigation are pending for R & R is to be submitted.

In this above context for obtaining query reply, letter from SEAC was sent to PP on dated 30.07.2019 and after not receiving the desired information a reminder letter was also sent to PP on dated 25.10.2019.

PP has submitted the quarries reply on dated 14.10.2019 in response of above raised query in the 382nd SEAC meeting dated 09-07-2019, which was forwarded through SEIAA vide letter no 3223 dated 19/11/2019. The received quarries reply was placed before the committee in 413th SEAC meeting dated 10/12/2019 wherein committee found that submitted reply for R&R is incomplete and missing required details. Committee decided to call the PP in subsequent meetings for detailed discussion and presentation.

In this meeting the query reply was presented by the PP and their consultant wherein PP stated that only one house is located within the lease and they have procured this house and made it as their site house. PP further submitted that no tree felling is proposed of existing trees within

the lease area. Regarding detailed R&R plan with copy of all the papers and consent letter from the Project for which PP submitted that:

- Land owner is considered whose name is recorded with the competent authority.
- Market value is considered value determined by collector as per market value specified in the Indian stamp act 1899.

PP further submitted that as per revised R& R now there are only 49 PAP .The Category-wise PAP details are as given below:

CATEGORY 1: LAND AND HOME LOSERS: (Family having title over the agriculture land and homestead land in Abadi area being acquired).

CATEGORY 2: AGRICULTURE LAND LOSERS: (Family having title only over the land being acquired).

CATEGORY 3: HOME LOSER: (Family having title only over the house being acquired).

CATEGORY 4: LAND LESS: (Family whose livelihood is dependent on the land being acquired and are staying in the affected village and normally earn its lively hood).

PAP	CAT-I	CAT-II	CAT-III	CAT-IV
49	0	49	0	0

During discussion it was submitted by PP that out of 69.30 ha land, 11.205 ha is either purchased by them or an agreement is executed and further they have obtained consent letter from various lease holders for 45.30 ha land and agreement is under process. Committee deliberated that at present PP has only 11.205ha of land in possession and thus committee asked PP to submit a map showing proposed area for first 05 years of mining which shall be superimposed on available land area (11.205 ha). Committee further recommends that PP shall procure adequate land in the mean time for mining after 05 years for which they have made an agreement. (45.30 ha)

PP vide their letter dated 27/02/2020 submitted query reply which was placed before the committee which was found satisfactory and acceptable to the committee. The EIA/EMP and

other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of Prior Environment Clearance for Expansion of Limestone, Bauxite and Clay Quarry in an area of 69.30 ha. (2,10,803 tonne per annum) (Khasra No. 27, 29, 30P, 31P, 32P, 33, 34, 35P, 110P, 112, 113, 114, 119, 1), Village - Kubri, Tehsil - Maihar, Dist. Satna (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. PP shall execute the agreement for remaining 58.095 ha of land as only 11.205 ha land is in the possession of PP for initial 05 years of mining.

(B) MINING OPERATIONAL PHASE

12. No overcharging during blasting to avoid vibration.
13. Controlled and muffle blasting shall be carried out and blasting shall be carried-out by licensed person.
14. No tree falling shall be carried-out by PP during all the mining activities.
15. Working height of the loading machines shall be compatible with bench configuration.
16. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
17. No explosive will be stored at the mine site.
18. No intermediate stacking is permitted at the mine site.
19. No dump shall be stacked outside the lease area.
20. Overhead sprinklers shall be provided in mine.

21. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
22. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed approximately 5000 trees shall be planted within lease area and along the transportation route.
23. Transportation of material shall be done in covered vehicles.
24. Transportation of minerals shall not be carried out through forest area.
25. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
26. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. Garland drains of size 3365m X 2m X 1m are proposed. 02 settling tanks of size 10m x 8m x 2m (L x W x D) are proposed.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed Conceptual Plan of the Mining Lease Area of the mine is as follows:

S.No.	Heads	At present m2	At the end of 5 yrs m ²	At the end of conceptual period m ²
1.	Total Area excavated (broken)	0	35568	406810
2.	Area mined out (out of 1) (BZ)	0	0	0
3.	Area fully reclaimed (back filled) (out of 2)	0	0	0
4.	Area rehabilitated out of 3 by afforestation, agriculture, hutment etc	0	0	0
5.	Area rehabilitated by water harvesting (out of 2)	0	0	292925
6.	Area fully rehabilitated by bench/slope afforestation (out of 2)	0	0	58120
7.	Total Area under dumps	0	8374	0
8.	Area under active dumps with top soil	0	36644	0
9.	Dump Area fully rehabilitated (out of 8)	0	0	0
10.	Area under dead dumps	0	0	0
11.	Dump Area fully rehabilitated (out of 10)	0	0	0
12.	Area under mineral stack	0	0	0

13.	Area under road (outside pit)	1000	5000	2000
14.	Area under green belt (i.e. plantation on area other than dump and back filled area)	0	11250	55765
15.	Area under Infrastructure	0	0	1000
16.	Area under tailing dumps	0	0	0
17.	Area under any other use (sizing unit & View point garden)	0	0	0
18.	Undisturbed area	692010	596174	286200
19.	Total	693010	693010	693010

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

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 62.46 Lakh is proposed and Rs.22.75 Lakh /year as recurring expenses.
35. Under CER activity, Rs. 05.00 Lakh is proposed as capital and Rs. 9.00 Lakh /year recurring expenses respectively in different activities and should be implemented through respective committees.
36. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
37. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
38. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
39. PP will comply with all the commitments made vide letter dated 27.02.2020.
40. 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/ built-up area/

project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. **Case No 6808/2020 Shri Karan Singh Chouhan, R/o Dubey Colony, Dist. Katni, MP – 483501 Prior Environment Clearance for Limestone & Dolomite Mine in an area of 2.19 ha. (Limestone – 25,804 tonne per annum, Dolomite – 5,430 tonne per annum) (Khasra No. 212, 508, 509), Village - Nanhwara, Tehsil - Badwara, Dist. Katni (MP).**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 212, 508, 509), Village - Nanhwara, Tehsil - Badwara, Dist. Katni (MP) 2.19 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. 384 dated: 22/11/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.29 ha., including this mine.

The case was presented by PP and their consultant wherein PP submits the following details of this project:

Salient features of this project:

- Topographically the area is flat having maximum elevation of 398.7m towards northern side and minimum elevation of 392m towards southeastern side. Total elevation difference is 6.7m i.e. avg.7m.
- The lease area is mineralized for limestone and dolomite thus it is divided in to two zones namely **zone 1** western part for limestone and **zone 2** eastern parts for dolomite. The area is covered by about 0.5 meter soil cover; the succession can be well seen in the existing leases and in applied area itself. There are more or less vertical alternative bands of mineral Limestone and dolomite are running in the area and same influence can be seen in lease area also.
- Opencast manual method of mining was proposed in the approved scheme of mining and now onwards manual (category-B) means of mining will be carried out. The excavation of Limestone will be done by using hand tools such as spades, hammer, crowbar, chisel etc. The loading of Limestone will be done with shovel-tipper

combination and transportation will be done through hired trucks or tippers. Light drilling & blasting will be done. While planning the proposal for next financial year economic depth of the pit minimum degradation of land has been considered, in order to prevent haphazard excavation of pits and advancing towards N-S and E-W side covering existing pits.

- Mining will be carried out by developing systematic, regular and separate benches mineral to achieve desired production. During proposed to developed pit laterally towards all direction and depth also up to 385mrl.
- Haulage roads 5m wide will be laid at maximum 1: 16 gradient from surface (stack yard) to pit bottom at 385mrl within bye roads to faces of individual benches.
- Uniform 4 m high benches in manual mining will be developed however sub benching will be done to facilitate jackhammer drilling if hard portion encountered during mining.

During presentation as per Google image based on coordinates provided by PP a pit is seems to exist for which PP submits that lease was sanctioned in 2003 and working was done till 2014. Committee after deliberations decided that being it's a case Limestone & Dolomite Mine it falls under B-1 category and EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Year wise production since 2003 till 2014 shall be submitted in final EIA report.
2. Copy of last assessment to prove that no mining is done since 2014 shall be submitted with final EIA report.
3. Copy of consent conditions of M. P. Pollution Control Board from concerned Regional Office.
4. PP shall submit inventory of these trees with details of girth, species, photographs, and further plan for protection.
5. Proposed evacuation route with gradient shall be discussed in the EIA report.
6. Proposal for pucca evacuation road with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.

7. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.
4. **Case No. - 5808/2018 Shri Vidya Prakash Shrivastava, Proprietor, Indira Nagar, Dist. Rewa, MP Prior Environment Clearance for Laterite Quarry in an area of 10.433 Ha. (1,27,160 ton per annum) (Khasra No. 34) at Village- Dongariha, Tehsil - Simaria, Dist. Rewa (MP).**

This is case of Laterite Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 34) at Village- Dongariha, Tehsil - Simaria, Dist. Rewa (MP) 10.433 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, District Survey Report, information of the leases within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector's office vide letter no. 9797 dated: 22/10/2018 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

This case was again scheduled for the presentation in 374th SEAC meeting dated 25/05/2019, 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. Earlier PP was also absent in the 352nd SEAC meeting dated 18/03/2019, 342nd SEAC meeting dated 18/02/2019 & 340th SEAC meeting dated 30/01/2019. Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

SEIAA vide letter no 4158 dated 25/01/2020 has forwarded this case by stating that: PP vide letter dated 30/12/2019 has submitted the revised Form-1(with revised production capacity from 20,000 ton per annum to 1,27,160 ton per annum) & PFR and requested to relist the case.

Based on above submission this case was placed before committee for presentation and discussion, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by PP and their consultant wherein PP submits the following details of this project:

Salient features of this project:

- The lease area is having one mound having rolling topography in all direction. Central portion of the lease area is a part of mound top where as remaining portion of the area is part of mound slope. Highest elevation of the lease area is 336 m. in central part where as lowest elevation of the lease area is 324 m. towards South and North direction. Difference between highest and lowest elevation is 36 m.
- Rainy water follows natural slope direction. There 01 pit is existing in the area having Laterite formation. The depth of pit is varying from 2 to 5 m. The area experiences sub- tropical climatic conditions. The temperature reaches up to 47°C during summer whereas during winter it goes down to 40 c.
- Proposed mining will be carried out by opencast mechanized means using excavator/loader &, dumper combination at locations shown year wise plans and sections. Results of prospecting during past, exploratory work carried out and mineralization with safety measured from different aspects with Topography also brought into consideration for delineation of mineralization & choosing working block. Mining will be carried out by developing systematic, regular and separate benches mineral to achieve desired production. Haulage roads 6m wide will be laid at maximum 1: 16 gradient from surface (stack yard) to pit bottom at 325mrl within bye roads to faces of individual benches. Uniform one bench of 5m high will be developed (however sub benching will be done to facilitate jackhammer drilling if hard portion encountered during mining (for heaving purpose only). Separate sub benches will be maintained in different grades of minerals to facilitate blending. Width of benches will be as per DGMS requirements / not less than height where as mineral bench length will be as per production requirements.

During presentation as per Google image based on coordinates provided by PP a school and human settlement is seems to exist hence protection plan with suitable setback as non-mining area to be left and same to be submits in final EIA report. Committee after deliberations decided that being it's a case Laterite Quarry with 10.433 ha and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Revised surface map showing setback of 50 meters of area as non-mining zone from nearest settlement.
2. Safety measures proposed for nearby school shall be discussed in the EIA report.
3. PP shall submit inventory of these trees with details of girth, species, photographs, and further plan for protection.
4. Proposed evacuation route with gradient shall be discussed in the EIA report.
5. Proposal for pucca evacuation road with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
6. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.

5. Case No 6815/2020 Shri Bachan Singh S/o Shri Gopal Singh, 26, Jamuna Nagar, Darpan Colony, Thatipur, Morar, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (Expansion from 30,000 to 1,00,000 cum per annum) (Khasra No. 3922/2 Govt. Land), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 3922/2 Govt. Land), Village - Biloua, Tehsil - Dabra, Dist. Gwalior (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. QL-09 dated: 17/07/2015 has reported that there are 12 more mines operating or proposed within 500 meters around the said mine with total area of 15.530 ha., including this mine.

The case was presented by PP and their consultant wherein PP submits the following details of this project:

Salient features of this project:

- The Letter of intent was granted in favor of Shri Bachhan Singh, S/o Shri Gopal Singh, R/o 26, Jamuna Nagar, Darpan Colony, Thatipur, Murar, Gwalior (M.P.) for Grant of Mining lease mineral stone gitty over an area of 2.00 hect. Survey No. 3922/2, Near Village Biloua, Tehsil Dabra & Dist. Gwalior (M.P.) by District Collector (Khanij) Branch Gwalior Vide latter no. Q.L.-09/2010 Gwalior dated 8/11/2010 For 10 Year's.

i.e. 08.11.2010 to 09.11.2020. Now lessee has been applied for renewal of mining lease Vide letter no. Q.L. – 110/2019 dated 7/11/2019.

- Environmental clearance (EC) for a production of 30,000 cum of stone (gitty) per year has been obtained from DEIAA, vide letter no. 1168/DEIAA/N. Kra.-1/2016 Gwalior dated 22/02/17.
- Now it is proposed to enhance the production of stone (gitty) to 1,00,000 cum per year.) For this purpose a modified mining plan for producing 1,00,000cum stone (gitty) per annum has been approved by Regional Head Department of Geology & Mining Madhya Vide his letter no. 1934/M.Plan Cell/Na. Kra. 1/2018-19 Gwalior Date 26.12.2018.

Committee after deliberation decided that since it's a case Stone with total area of 15.530 ha., including this mine and according to the according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Year wise details of minerals already excavated till date should be submitted with EIA report.
2. Compliance of earlier EC conditions from DEIAA, vide letter no. 1168/DEIAA/N. Kra.-1/2016 Gwalior dated 22/02/17 shall be submitted in final EIA report.
3. Level of mechanization should be discussed in the EIA report.
4. Hydro geological study should be carried out if ground water intersection is proposed.
5. Status of all court cases (with summery of all the directions and compliances made) issued by honorable Courts.
6. A list of all the mines located in the Billaua, Rafadpur and Chirpura cluster along with their lease area, lease period, existing production, proposed production as per approved mine plan, production for which the EC is desired (Form 1), available minable reserve, proposed ultimate depth, post mining land use, details of crusher if located within the lease area, if crushing is done outside the lease area its location and details, details of any habitation, water body, road, school, or hospital or any other public place within 500 m of the cluster.
7. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
8. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
9. Air pollution control measures adopted by each mine and crusher in the cluster.

10. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.
11. Ambient Air Quality Monitoring on following locations be conducted for one season:-
 - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.
 - (b) Two monitoring station one each at main evacuation road and Billaua village road.
 - (c) Three monitoring station i.e. one at windward direction and two at leeward direction.
 - (d) Three monitoring station within the cluster area near installed crushers.
 - (e) One monitoring station close to water body i.e. Udalpara Tal.
12. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
13. Photography and Videography should also be done during collection of baseline data.
14. Noise Monitoring on following locations be conducted for one season :-
 - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.
 - (b) Two monitoring station one each at Naktapata square and nearby water body.
 - (c) Three monitoring station within the cluster area near installed crushers.
15. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.
16. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
17. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
18. A drainage plan for entire cluster and surface run off management plan.
19. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
20. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.

21. Public consultation be conducted as per EIA Notification, 2006.
22. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
23. Provide details of court cases/ litigations pending, if any.

6. Case No 6809/2020 Shri Moinuddin S/o Usuf Chhipa, R/o Village Fusriya, Tehsil Singoli, Neemuch Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (30,000 cum per annum) (Khasra No. 180 (Govt. Land)), Village - Basniya, Tehsil - Rampura, Dist. Neemuch (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 180 (Govt. Land)), Village - Basniya, Tehsil - Rampura, Dist. Neemuch (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 06 dated: 02/01/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP within 500 meters following sensitive other sensitive features-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	Adjacent to lease	North	Setback of 50m shall be maintained as non-mining area from natural drain in lease.
Pucca Road	>118	West	Three rows of Plantation in this side.
Pucca Road	>280	North	
Pucca Road	>134	South	

PP further stated that the method of mining will be by semi mechanized opencast method with the help of Hydraulic Excavators, dumpers etc. In order to meet the annual production of 30,000 m³ on an average of about 100 m³ of mineral will have to be produced daily, taking 300 working days in year. This daily target will be easily achieved by deploying one hydraulic excavator cum front end loader of 0.9m³ capacity. It is proposed to drill 32mm diameter blast

holes to a depth of about 3.00m. Blasting will be done by using ANFO, Special gelatin, 90% strength will be used as booster. Control Blasting will be done with Sand bags. After presentation the committee asked to submit following details:

- Revised EMP & CER by adding proposal for grazing land as per latest O.M dated 16/01/2020.
- Details of blasting parameters.
- Revised surface map showing 50 meters setback area.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 30,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 26.55 Lakh as capital and Rs. 2.65 Lakh/year and under CER Rs. 1.80 Lakh/ year has proposed.
3. PP shall maintain the setback of 50m as non-mining area from natural drain at North side in lease.

7. Case No 6814/2020 Shri Karan Singh S/o Shri Raghu Nath Singh Nayak, R/o Village - Jaloda, Tehsil Mo. Badodia, Dist. Shajapur, MP Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (24,000 cum per annum) (Khasra No. 510, Govt. Land), Village - Bhadoni, Tehsil - Shajapur, Dist. Shajapur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 510, Govt. Land), Village - Bhadoni, Tehsil - Shajapur, Dist. Shajapur (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 195 dated: 21/06/2017 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein PP submits that the Mining lease for mineral crushing stone over an area of 4.00 Ha., Khasra No. 510 situated near village- Bhadoni, Tehsil & District- Shajapur (M.P.) was granted in favour of Shri Santosh S/o Shri Shiv Singh Thakur R/o Hotel Shree Ganga Tanki Choraha Shajapur by District Collector (Khanij Branch), Shajapur vide his letter No. Khanij/2010/869, Dated 30.11.2010 for the period of 10 year. Lease deed was executed on 07.03.2011, hence lease validity period up to 06.03.2021. The E.C was issued by DEIAA Shajapur at the rate of annual production of Stone (Gitti) 24,000 cum/year vide letter no. /DEIAA/2017/961, Shajapur dated 16.11.2017.

Thereafter, Santosh Thakur transfers the lease in the favour of Shri Karan Singh S/o Shri Raghunath Singh Nayak. District Collector (Khanij Branch), Shajapur sanctioned the transfer application under Amended Notification dated 19.04.2010 as per Rule 35(1) (3) of Madhya Pradesh MMR1996. of Santosh Thakur vide his letter No. Khanij/2019/841 dated 24.09.2019.

During presentation as per Google image based on coordinates provided by PP, an old pit and crusher installed is seems to exists, for which PP submits that this is old mine working with earlier DEIAA EC vide letter no. /DEIAA/2017/961, Shajapur dated 16.11.2017. and within 500 meters following sensitive other sensitive features-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Windmill	>340	South	-
Windmill	>670	South-East	-

PP further stated that the method of mining will be semi mechanized opencast method with the help of Hydraulic Excavator, dumpers, etc. In order to meet the annual production of 24,000 m³ and average of about 80.00 m³ of mineral will have to be produced daily, taking 300 working days in year. The mine will attain a depth of about 9 meters after period of 5 years. The mine will be developed by forming 3 meter high benches each. Blasting will be done by using ANFO. All the blasting operations will be carried out by the license holder/ Authorised Agency. Control Blasting will be done with Sand bags. After presentation the committee asked to submit following details:

- Revised EMP & CER by adding proposal for grazing land as per latest O.M dated 16/01/2020.

- Details of blasting parameters.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 24,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 29.87 Lakh as capital and Rs. 2.56 Lakh/year and under CER Rs. 0.60 Lakh/ year has proposed.

8. Case No 6816/2020 M/s Chambal Developers, R/o Lalitpur Colony, Lashkar, Dist. Gwalior, MP Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (16,500 cum per annum) (Khasra No. 1380 Govt. Land), Village - Kairuwa, Tehsil - Narwar, Dist. Shivpuri (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1380 Govt. Land), Village - Kairuwa, Tehsil - Narwar, Dist. Shivpuri (MP) 1.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 1483 dated: 14/10/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, it was observed that a Kachcha road is passing within the lease committee recommended that PP shall give right to access to the villagers. Within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks

Kachcha Road	30	South	Triple row plantation towards road
River	130	West	Provision of Garland drain & settling tanks.

All mining operations in Lease area of 1.50 ha. will be undertaken by open cast semi-mechanized method with the help of wagon drills, Hydraulic Excavator, dumpers, etc. In order to meet the annual production of 16,500 m³ an average of about 55 m³ of mineral will have to be produced daily, taking 300 working days in year. Since the rock formation is fairly hard, blasting will be done for breaking the rock. It is proposed to drill 32mm diameter blast holes to a depth of about 6.0m. Blasting will be done by using ANFO. All the blasting operations will be carried out by the license holder/ Authorised Agency. Control Blasting will be done with Sand bags. It is a temporary permit. After presentation the committee asked to submit following details:

- Commitment from PP that total 1800 trees shall be planted within first year.
- Revised EMP & CER by adding proposal for grazing land as per latest O.M dated 16/01/2020.
- Details of blasting parameters.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone – 16,500 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 13.57 Lakh as capital and Rs. 3.29 Lakh/year and under CER Rs. 1.50 Lakh has proposed.

9. Case No 6807/2020 Shri Ramveer Sharma S/o Shri Lakhan Singh Sharma, R/o Village - Chachiha, PO - Mundrawaja, Tehsil - Joura, Dist. Morena, MP Prior Environment Clearance for Soil Quarry in an area of 1.00 ha. (2,000 cum per annum) (Khasra No. 49, 50 (Pvt. Land)), Village - Chachiha, Tehsil - Joura, Dist. Morena (MP).

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 49, 50 (Pvt. Land)), Village - Chachiha, Tehsil - Joura, Dist.

Morena (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 138 dated: 16/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein PP submits that: It is proposed to carry out mining operation by semi mechanized opencast method with the help of JCB etc. In order to meet the annual production of 2000 m³ and average of about 6.66 m³ of mineral will have to be produced daily, taking 300 working days in year. This daily target will be easily achieved by deploying one JCB front end loader of 0.9m³ capacity. The mine will attain a depth of about 2 meters after plan period of 5 years. During the plan period 0.500 ha. area mined out pit, will be developed up to 180M (average 2M depth) with a rectangular shape at the lease. After presentation the committee asked to submit following details:

- Commitment for depth restriction of 02 meters with Restoration plan.
- Location of kiln on surface map preferably away from the road.
- Revised EMP by adding cost of restoration plan and development of grazing land as suggested by the committee.
- Revised CER by adding proposal for grazing land.
- Commitment that water will be procured from gram Panchayat.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Soil 2,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.94 Lakh as capital and Rs. 1.44 Lakh/year. Under CER Rs. 0.60 Lakh/years has proposed.
3. Depth shall be restricted upto 02 meters.

10. Case No 6830/2020 Shri Ajay Patidar S/o Shri Anil Kumar Patidar, Village - Jalotkheta, Tehsil - Badnawar, Dist. Dhar, MP Prior Environment Clearance for Stone Deposit in an area of 2.00 ha. (12,610 cum per annum) (Khasra No. 1/1), Village - Nindwaniya, Tehsil - Badnawar, Dist. Dhar (MP).

This is case of Stone Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1/1), Village - Nindwaniya, Tehsil - Badnawar, Dist. Dhar (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 725 dated: 11/04/2018 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 8.00 ha including this mine.

The case was presented by PP and their consultant wherein PP has submitted the salient features of this project:

Salient features of this project:

Mine Description	New Lease
Name of the Mineral	Basalt
Location	Khasra No: - 1/1 near Village-Nindwaniya, Tehsil-Badnawar, District-Dhar, State- Madhya Pradesh.
Toposheet	46N/2
Type of Land	Government Land
Lease Area	2.0 Ha
Lease Period	10 years
Geological Reserves	300000 Cum
Mineable Reserves	229680 Cum
Production Capacity	12,610 Cum/year

Mining Method	Open cast semi mechanized method with controlled drilling and muffle blasting with sand bags.
Man Power	15 Nos.
Life of Mine	Approx. 18 years
Project Cost	Rs. 30.00 lakhs
CER Cost	Rs.-60,000/-

During presentation two surface drains were seems to originated from the lease as per the Google image based on coordinates provided by PP, hence PP shall submit surface water management plan and a dam is at a distance of 160 meters towards South-west side of lease. Committee after deliberations decided that being it's a case Stone Quarry with cluster area of > 5.00 ha and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Two surface drains were seems to originated from the lease hence PP shall submit surface water management plan.
2. PP shall submit safety measures for nearest dam at a distance of 160 meters towards South-west side of lease in the final EIA report.
3. PP shall submit inventory of these trees with details of girth, species, photographs, and further plan for protection.
4. Proposed evacuation route with gradient shall be discussed in the EIA report.
5. Proposal for pucca evacuation road with atleast 7.5 meters width and shoulders of 0.5 meters each on both sides shall be furnished in the EIA report as per Indian Road Congress standards.
6. Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.

11. Case No 6833/2020 M/s GHV India Pvt. Ltd, Shri Narendra Kumar Patidar, R/o Tehsil - Joara, Dist. Ratlam, MP – 457226 Prior Environment Clearance for Stone Quarry in an area of 3.669 ha. (2,45,000 cum per annum) (Khasra No. 46/18), Village - Kumhari Tehsil - Jaora, Dist. Ratlam (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 46/18), Village - Kumhari Tehsil - Jaora, Dist. Ratlam (MP) 3.669 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. 2819 dated: 05/02/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, it was observed that a Kachcha road is passing within the lease committee recommended that PP shall give right to access to the villagers. Within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	within the lease	-	Right to access to be given to the villagers.

All mining operations in Lease area of 3.669 ha., will be undertaken by Open Cast Semi-Mechanized Method. Drilling will also be undertaken with the help of Jack hammer drills of 34 mm dia rods will be deployed to drill blast holes and charged with explosive cartridges. All the blasting operations will be carried out by the license holder/ Authorised Agency. Control Blasting will be done with Sand bags. After presentation the committee asked to submit following details:

- Commitment for muffle blasting.
- Undertaking that right to access to be given to the villagers on Kachcha road crossing the lease.

- Revised plantation scheme for 3700 trees which shall be planted within first year being a case of TP.
- Revised EMP with revised road width (that used for material transportation) i.e. from 5 to 7m with its cost as suggested by the committee.
- Proposal for grazing land in EMP & CER shall be discussed as per latest O.M dated 16/01/2020.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 2,45,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 22.20 Lakh as capital and Rs. 7.56 Lakh/year and under CER Rs. 2.00 Lakh has proposed.

12. Case No 6794/2020 Shri Santosh Nayak, Village - Gudali, Tehsil - Meghnagar, Dist. Jhabua, MP – 457772 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (24,832 cum per annum) (Khasra No. 68), Village - Tejpura, Tehsil - Thandla, Dist. Jhabua (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 68), Village - Tejpura, Tehsil - Thandla, Dist. Jhabua (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 690 dated: 28/06/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation, wherein 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. PP was also absent in the 424th SEAC meeting dated 12/02/2020. Committee decided to call the PP in

subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

13. Case No 6811/2020 Shri Abdul Aziz Marwadi, Hospital Road, Dist. Alirajpur, MP – 457887. Prior Environment Clearance for Stone Quarry in an area of 1.50 ha. (14,550 cum per annum) (Khasra No. 206), Village - Bhopaliya, Tehsil - Sondwa, Dist. Alirajpur (MP)

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 206), Village - Bhopaliya, Tehsil - Sondwa, Dist. Alirajpur (MP) 1.50 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Assistant Mining Officer letter No. 402 dated: 24/04/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP that crusher is being installed since 2008 and a small pit is seems to exists for which PP submits that it is an old pit, earlier lease was sanctioned in 2005 and crusher installed in 2008. Mining was done in 2008-09 since then no mining is done. Now PP got the lease renewal in 2015. Within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Crusher installed within lease area	within Lease Area	-	CTO obtained from MPPCB

Further it was recorded that all mining operations in Lease area of 1.50 ha., will be undertaken by open cast semi-mechanized method. Drilling will also be undertaken with the help of Jack hammer drills of 34 mm dia rods will be deployed to drill blast holes and charged with explosive cartridges. All the blasting operations will be carried out by the license holder/ Authorised Agency. Control Blasting will be done with Sand bags. Blasting operations will be carried out twice in a week. After presentation the committee asked to submit following details:

- Commitment for muffle blasting.
- Revised plantation scheme for 1500 trees.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone Quarry 14,550 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 8.17 Lakh as capital and Rs. 3.72 Lakh/year and under CER Rs. 0.40 Lakh/year has proposed.

14. Case No 6785/2020 M/s Ramraja Granite, Prop. Devendra Shivhare, R/o Indira Nagar, Kabrai, Dist. Mahoba, UP – 210424 Prior Environment Clearance for Crusher Stone Quarry in an area of 1.00 ha. (14,250 cum per annum) (Khasra No. 237/1), Village - Bhadar, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 237/1), Village - Bhadar, Tehsil - Lavkush Nagar, Dist. Chhatarpur (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Assistant Mining Officer (Collector Office Chhatarpur) letter No. 945 dated: 08/04/19 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 in 423th SEAC meeting dated 11/02/2020, but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, a Kachcha road is passing at a distance of 7-8 meters in the west side of the lease hence, PP was asked to maintain minimum distance of 10 meters as non- mining area from road, Hutments are in close proximity a distance of 4 meters towards South side, hence protection plan shall be needed. Within 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	05	West	Setback of 15 meters (excluding 7.5m of barrier zone) of area shall be maintained as non- mining area from road in lease towards west side.
Kachcha Road	05	East	Setback of 15 meters (excluding 7.5m of barrier zone) of area shall be maintained as non- mining area from road in lease towards east side.
Hutments	04-10	South	<ul style="list-style-type: none"> ➤ Setback of 50 meters shall maintain as non-mining area from nearest hutment at south side of lease. ➤ Controlled Muffel blasting with arrangements of sand bags and three rows of Plantation in this side.
Trees	Within lease	-	<ul style="list-style-type: none"> ➤ No tree cutting is proposed

After presentation the committee asked to submit following details:

- Kachcha road is passing in the west side & east side of the lease hence revised surface map showing set back of 15 meters (excluding 7.5m of barrier zone) from the west boundary as non- mining area & Setback of 15 meters (excluding 7.5m of barrier zone) of area shall be maintained as non- mining area from road in lease towards east side and thus revised surface map showing non-mining area shall be submitted.
- Protection plan for the nearest hutments at southern side.
- Revised surface map showing setback of 50 meters shall maintain as non-mining area from nearest hutment at south side of lease.
- Undertaking that no tree cutting shall be done during mining activity.
- Complete details of blasting with its protective measures shall be submitted

- Revised plantation species as suggested by the committee during presentation.
- Revised EMP & CER as per format.

15. Case No 6805/2020 M/s Bansal Construction Pvt. Ltd, 3rd Floor, Tawa Complex, Bittan Market, E-5, Arera Colony, MP Prior Environment Clearance for Murrum and Stone Quarry in an area of 3.00 ha. (Murrum – 25,000 cum per annum, Stone – 1,88,160 cum per annum) (Khasra No. 378, 379 Parts), Village - Murariya, Tehsil - Lateri, Dist. Vidisha (MP).

This is case of Murrum and Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 378, 379 Parts), Village - Murariya, Tehsil - Lateri, Dist. Vidisha (MP) 3.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office vide letter no 1910 dated: 12/12/2019 has reported that there is 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.00 ha., including this mine.

The case was presented by the PP and their consultant wherein PP submits the following proposed method of mining:

- The opencast manual and semi - mechanized mining in conjunction with dumpers and trolley is being followed at the mine. After removing topsoil, the overburden / reject bench is removed by drilling and blasting.
- The sequence of operation involves dozing, drilling, blasting, loading, crushing/ screening and transportation. Drilling and blasting is carried out for hard overburden and underlying basalt rock. The removal of overburden and blast is both carried out with the combination of manual, loader and tractor trolley.
- The bench width will be maintained 4m in the active working face and at the ultimate limit, the bench width will be brought down to the height of the bench so that over all pit slope is at 45^o.
- The mining operation will be carried out with 1 hole drilling of 32 mm dia and will be blasted with slurry Explosive.

During presentation as per Google image based on coordinates provided by PP, it was observed by committee that a lease is already excavated an old pit seems to be exists within lease for which PP submits that this lease is allotted to him in this condition & the same is shown by PP in surface map. Since it is a temporary permit, hence PP shall plant all the proposed trees within first year. Mining of 3.00 hect., will be undertaken using bench method. All mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 1no.-JCB (3dx), 1no Pocklane (Hyundai), 47no., dumpers (TATA) etc. Drilling will also be undertaken with the help of Tractor Mounted Compressor & Jack Hammer. (01) Loaders will be deployed for loading purpose Muffle blasting will be carried out by keeping sand filled bag as on wire net placed on holes. After presentation the committee asked to submit following details:

- Commitment from PP that total 3000 trees shall be planted within first year.
- Blasting details as suggested by committee.
- Revised EMP with revised road width (that used for material transportation) i.e. 07 meters as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 25,000 cum per annum, Stone 1,88,160 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 08.34 Lakh as capital and Rs. 3.12 Lakh/year and under CER Rs. 2.90 Lakh has proposed.

16. Case No 6813/2020 Shri Ganesh Patidar S/o SHri Kanhaiyalal Patidar, Village - Gawali Palasia, Tehsil - Mhow, Dist. Indore, MP – 453441 Prior Environment Clearance for Metal Stone Quarry in an area of 1.133 ha. (9,000 cum per annum) (Khasra No. 1297/1, 1297/2 Part), Village - Gawalipalasia, Tehsil - Mhow, Dist. Indore (MP)

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1297/1, 1297/2 Part), Village - Gawalipalasia, Tehsil - Mhow, Dist. Indore (MP) 1.133 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 673 dated: 26/07/2019 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 4.926 ha., including this mine.

The case was presented by the PP and their consultant wherein PP submits the following proposed method of mining:

Proposed method of mining –

- The opencast manual and semi - mechanized mining in conjunction with dumpers and trolley is being followed at the mine. After removing topsoil, the overburden / reject bench is removed by drilling and blasting.
- The sequence of operation involves dozing, drilling, blasting, loading, crushing/ screening and transportation. Drilling and blasting is carried out for hard overburden and underlying basalt rock. The removal of overburden and blast is both carried out with the combination of manual, loader and tractor trolley.
- The bench width will be maintained 4m in the active working face and at the ultimate limit, the bench width will be brought down to the height of the bench so that over all pit slope is at 45^o
- The mining operation will be carried out with 1 hole drilling of 32 mm dia and will be blasted with slurry Explosive.

Mining of 1.133 hect., will be undertaken using bench method. All mining operations will be undertaken by Semi-Mechanized Method by deploying machineries i.e. 1no.-JCB (3dx), 1no Pocklane (Hyundai), 02no., dumpers (TATA) etc.After presentation the committee asked to submit following details:

- Revised CER with addition to proposal for development of charnoi land designated in the village with appropriate budget for growth of fodder, school boundary wall and traffic awareness camp.
- Blasting details as suggested by committee.
- Top soil management plan.

PP has submitted the response of above quarries same date vide letter dated 27.02.2020, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 9,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.52 Lakh as capital and Rs. 2.16 Lakh/year. Under CER Rs. 0.65 Lakh/ year has proposed.

(Dr. Sonal Mehta)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. R. Maheshwari)
Member

(Dr. Anil Sharma)
Member

(Dr. Jai Prakash Shukla)
Member

(R.S.Kori)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

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

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. 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.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.

8. 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.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
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 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.
12. 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.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. 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.
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.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR 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.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. 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.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. 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.
23. 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.
24. 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.
25. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'C'

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

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

20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020

Annexure- 'D'

General conditions applicable for the granting of TOR

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

- the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
 18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
 19. The EIA report should clearly mention activity wise EMP and CSR 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 CSR 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.
 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

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.

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