

The 72nd meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 11th April, 2017 under the Chairmanship of Dr. Navin Chandra for discussion on the query responses submitted by the PP and the projects issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram khan, Member.
2. Shri. Mohd. Kasam khan, Member.
3. Shri Rajendra Kumar Sharma, Member.
4. Dr. Sonal Mehta, Member.
5. Shri Prashant Shrivastava, Member.

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

1. **Case No.5239/15 Shri Shyam Lal Kol S/o Phuphla Kol, Katni, MP – 483501.Prior Environment Clearance for Limestone & Dolomite Mine in an area of 38.84 ha. (Production capacity Limestone -1,11,275 TPA ha. & Production Capacity Dolomite - 1,11,530 TPA and lime stone 1,11,275 TPA) at Khasra no.-161/1, 161/2, 170, 174, 175/1, 175/2, 146, 147, 150, 148, 152, 153, 155, 156, 157, 158, 159, 160, 162, 163, 165, 164, 168, 171, 181, 149, 167, 169, 180, 172, Village-Pondi, Tehsil - Dheemarkheda, Dist. Katni (MP) (EIA Consultant: M/s CES, Bhopal)**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-161/1, 161/2, 170, 174, 175/1,175/2,146, 147, 150, 148, 152, 153, 155, 156, 157, 158, 159,160, 162, 163, 165, 164, 168, 171, 181, 149, 167, 169, 180, 172, Village-Pondi, Tehsil - Dheemarkheda, Dist. Katni (MP) 38.84 Ha. The project requires prior EC before commencement of any activity at site.

Details of project:

Village	Pondi
Tehsil	Dheemarkhera
District	Katni
Area	38.84 ha
Land status	Pvt. Land.

Lease Period	20.03.2002 to 20 years
Minerals	Limestone & Dolomite
Khasra no.	161/1, 161/2, 170, 174, 175/1, 175/2, 146, 147, 150, 148, 152, 153, 155, 156, 157, 158, 159, 160, 162, 163, 165, 164, 168, 171, 181, 149, 167, 169, 180, 172,
Nearest City	Katni- 32 km
Nearest City	Katni- 32 km
Nearest Highway	(NH-7) 11.2 km in W
Nearest Village	Pondi – 1.4 km in NE
Nearest Railway Station	Niwar- 8.6 km in NW
Nearest Airport	Jabalpur – 110.0 km
National Park/ Heritage site	None in 10 km radius
Ecological Sensitive Zone	None in 10 km radius
Nearest Forest	PF 286 is 0.860 km in S (as per DFO Letter)
Latitude	23 ^o 39'34.4" to 23 ^o 39'20.8"
Longitude	80 ^o 25'08.7"to 80 ^o 25'22.9"
highest elevation	446 m
Lowest Elevation	434 m
Water requirement	10 kld
Source of water	Ground water/ mine pit water
Man power requirement	45 Nos.
Total Available Reserve	643401 ton (Limestone and Dolomite)

The case was presented by the PP and his Consultant in the 34th SEAC II meeting dated 25/06/2016. It's being a case of major mineral, it was decided to consider this case as B-1 category and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Inventory of operating / proposed mines within 2 Km around the said mine.
2. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
3. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power considering all the existing mines within 500 meters radius.

4. Any alternate route avoiding the nearby habitations.
5. Disposal plan of excess mine water accumulated during rainy season be discussed in the EIA.
6. Top soil management plan be discussed in the EIA.
7. The AAQ data collected for adjoining mine can be used in EIA but the data should not be more 2 years old.

PP vide letter dated 18/09/2016 has submitted revised form-1 for amendment in production capacity which was forwarded by the SEIAA vide letter no. 3918/SEIAA/16 dated 06/10/2016.

The case was presented by the PP and their consultant in the 56th SEAC II meeting dated 08/11/2016 for revised TOR as amended capacity for Lime stone 1,11,275 TPA and dolomite 1,11,530 TPA. Earlier TOR was issued to the PP for Limestone & Dolomite 1,11,275 TPA vide letter no. 1170 dated 18/09/2016. The Committee after deliberations decided since TOR has already been approved in the 34th SEAC meeting dated 02/06/2015 and PP has submitted the desired information such as revised Form-1, the standard TOR as per the approval in the 34th SEAC II meeting and as per revised information (amended capacity for Lime stone 1,11,275 TPA and dolomite 1,11,530 TPA.) be issued to the PP with following additional conditions:-

- EIA report and Prediction of impacts should be calculated on the basis of amended quantity.
- Public hearing should also be carryout considering the amended quantity.
- One additional monitoring station should be added in Salapur village.

PP has submitted the EIA report vide their letter dated 20/03/2017 which was forwarded by the SEIAA vides letter no. 5661/SEIAA/17 dated 23/03/2017.

The case was presented by the PP and their consultant wherein PP submitted that this is a project for open cast method of mining of Limestone and dolomite, and the estimated project cost is 1.48 crores. The ML area has been granted by Govt, of M. P. and agreement has been signed on 14th October 2010. The total Mine Lease areas considered is 38.84 ha. The proposed production is Limestone 1,11,275 TPA and dolomite 1,11,530 TPA. The life of the mine is anticipated at approx. 3.0 years based on the level of exploration and reserve established as per as per mining plan. The cost of mining land, mining machinery, Environmental protection, Socio-economic development for the present ML area is about Rs. 1.48 Crores. The method of excavation is open cast, Mechanized method. The subject lease area is located at 21^o50'08.4" to 21^o50'06.8" N latitude and 79^o58'35.6" to 79^o58'30.4" E longitude and covered under Toposheet No. 55O/13.

The area is Private Land. The District headquarter Balaghat is about 40 km. Area can be approached by Katangi- Waraseoni State highway 5.4km from Balaghat and other parts of district. Dolomite is suitable for iron & steel industries and the limestone will be suitable for cement industries. An extensive green belt shall be developed over and area on 13.0 ha on non mineralized zone and on approach road side. The method of mining will be open cost manual / mechanized. PP further submitted that the proposed depth of mining is 15 meters and the existing level of ground water table is at 23.90 meters and thus ground water intersection is not envisaged.

Water requirement

S. No.	Head	Quantity
1.	Dust suppression	5.0 kld
2.	Green belt	2.5 kld
3.	Domestic	2.5 kld
	Total	10.0 kld

BLASTING

Blasting is proposed for removal of hard portion of rock. The following type of blasting will be used:

- 1- Spacing - 1.2 m
- 2- burden - 1.2 m
- 3- Depth of hole - 1.65 m
- 4- Charge per hole - 0.750 gms for 1.5 m deep hole
- 5- Powder factor - 10 to 11 t/kg
- 6- Dia of Hole - 32mm

Conceptual Land use

At the end of conceptual period the total area will be developed 6.6 ha. and the after mining the area is partially backfilled by OB and developed as reservoir.

Overburden Generation (Anticipated)

Soil Details				
Year	Quantity	Height	Slope	Location
1 st	7764	3 m	35 ⁰	S
2 nd	8260	3 m	35 ⁰	S
Waste details				
1 st	9180	4	30 ⁰	SE
2 nd	10603	4	30 ⁰	SE

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

1. Revised CSR as suggested by the committee during presentation.
2. Revised water management and water balance for mining activities.
3. Revised Plantation Scheme w.r.t species and their number as suggested by the committee during presentation.
4. Detailed budget for environmental monitoring programme.
5. Revised EMP with their back-up calculations.

PP has submitted the response on above quarries vide letter dated 11/04/2017 which was placed before the committee which is found satisfactory and acceptable by 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 EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Transportation of minerals shall not be carried out through forest area.
4. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. Transportation of material shall be done in covered vehicles.
7. Transportation of minerals shall not be carried out through forest area.
8. Curtaining of site shall be done through thick plantation all around the boundaries of lease area.

9. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. PP shall bound to compliance the final closure plan as approved by the IBM .
10. Retaining wall should be provided all around the OB dump area.
11. Production shall be as per the mining plan with quantity not exceeding for Limestone 1,11,275 TPA and dolomite 1,11,530 TPA.
12. 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) including the village side to provide additional protection in one year only.
13. Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
14. As proposed, garland drains (2mx1.5) should be provided to avoid silt discharge.
15. As proposed, 02 settling tanks, (3mx2mx1.5m) connected with garland drains shall be provided for proper sedimentation.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. Regular water spraying system should be provided on 1000 meter long and 05 meter wide haul road. However, regular water spraying should also be practiced on 300 meters long and 06 meters wide approach road for dust suppression.
18. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
19. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
20. The commitments made in the public hearing are to be fulfilled by the PP.
21. 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. PP will comply with all the commitments made in by the letter dated 11/04/2017.

2. **Case No. 1751/2014 M/s Chhindwara Mines Pvt. Ltd., Through Director Shri Annu Kohli, R/o L-1/9, Hauz Khas Enclave, New Delhi- 110016. Prior Environment Clearance for approval of proposed Manganese Ore Mine in an area of 8.776 ha for expansion production capacity from 2100 TPA to 9064 TPA at Khasra no.-171, Village-Gowari Wadona, Tehsil-Sausar, District-Chhindwara (MP) Env. Consultant: Creative Enviro Services, Bhopal (M.P.)**

The case pertains to mining of Manganese Ore in a lease area of 8.77 Ha. The project falls under category B-1 and is mentioned as item 1(a) in the schedule of the EIA Notification. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. PP and his consultant presented the salient features of the project along with the proposed TOR. It is observed that the project pertains to expansion.

Environment setting

Particulars	Details
Locations	
Village	Gowari Wadona
Tehsil	Sausar
District	Chhindwara
State	MP
Latitude	21 ^o 31'38.2" to 21 ^o 31'49.4"North
Longitude	78 ^o 48'57" to 78 ^o 49'09"East
General ground level	347m
Nearest National/state Highway	Chhindwara- Nagpur NH-26B – 1.50km- NE
Nearest Railway Station	Lodhikhera (NG) - NNE – 7.0 km
Nearest Airport	Nagpur - 50.0 km
Nearest Tourist Place within 10km radius.	None
Archaeological Important Place within 10km radius.	None in 10 km radius
Ecological Sensitive Areas (Wild Life)	None in 10 km radius

Sanctuaries) within 10km radius.	
Reserved / Protected Forest within 10km radius (Boundary to boundary distance)	PF - 1.5km - SW
Nearest major city with 100000 population within 10km radius	None in 10 km radius
Nearest Town / City within 10km radius	None in 10 km radius
Nearest Village	Gowari Wadona - E - 0.25 km
Nearest River	Kanhan River - E - 7.0km Jam River -ENE – 7.5km
Nearest Nalla	Danpati Nalla - W – 9.0km Local Nalla - NE - 0.25km Ghogra Nalla - E - 0.5km Ghogra Tal - SSW - 2.25km Local nalla - N - 0.5km
Nearest Hill Ranges	None within 10km radius
Other lease area within 500m radius	1. M/s Agrawal Minerals 2. M/s Shakambhari Mines & Minerals 3. M/s Bhattar Manganese ore mine
Industry within 10km radius	Boregaon Industrial area - N -1.0km Satnur Industrial area – 2.75km- SW
Surrounding Features	North : Other lease area followed by Agricultural land South : Waste land followed by agricultural land East : Other lease area followed by Agricultural land West : Other lease area followed by village

Sailent feature of the lease area

Particulars	Details
Type of Mine	Opencast
Mining Lease Area	8.776ha
Mineable Area	3.60ha
Existing Pits	3.05ha
Existing dump	2.5735ha
Infrastructure and road	0.0605ha
Mineral Storage	0.2730ha
Plantation	0.7ha
Recoverable Reserve	51785 T
Method of mining	OTFM

Ultimate Depth of Mining	27m bgl (320m RL)
Existing capacity	2100 tonne
Proposed capacity	9064 tonne
Expected Life of Mines	7 years
Lease Period	20years upto 2027
Thickness of soil/OB	
Minimum	0.0 m
Maximum	1.0 m
Average	0.5 m
Proposed mode to transportation of mineral	Road
Area to be covered under dumps	Nil
Area to be covered under open pit	3.60 ha
Area to be reclaimed by lease period end	3.60ha
Area to be converted as water body	0.5ha developed in non-mineralised zone
Area to be covered under plantation	6.50 ha
Average mRL	356-347mRL
Ground water table	
Monsoon period	32m bgl (315mRL)
Dry month	36m bgl (311mRL)
Production per day (T)	32T
Dumper per day (24T)	2 no.

Earlier this case was discussed in the 45th SEAC-II meeting dated 09/08/2016 wherein it was observed that: The case was discussed in the 150th SEAC meeting dated 26/09/2014, after deliberations committee approved standard TOR, with following additional points for EIA / EMP:

1. Compliance of EC conditions duly validated by MoEF shall be submitted and appropriately discussed in the EIA report.
2. Micro-level details of 2Km radius around the site shall be presented separately depicting various sensitive receptors.
3. Conceptual plan shall be over-layed on the base map generated from satellite imagery.
4. Other standard TOR shall be applicable.

The TOR was issued to the PP vide letter no. 157 dated 30/09/2014 with validity up to 02 years from the date of issue of the letter. The TOR validity will expire on 29/09/2016.

PP vide their letter dated 26.06.16 has requested for TOR extension which was placed before the committee. The committee observed that the TOR was approved in the 150th SEAC meeting

dated 26/09/2014 and the same was issued to the PP vide letter no. 157 dated 30/09/2014. The validity of TOR expired on 29/09/2016. PP vide their letter dated 26.06.16 has requested for TOR extension. After deliberations, the committee recommends the case for extension in TOR's validity period for one year with validity up to 28/09/17 as per MoEF&CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 08/10/2014.

PP has submitted the EIA report vide their letter dated 28/03/2017 which was forwarded by the SEIAA vide letter no. 40/SEIAA/17, dated 01/04/2017.

The case was presented by the PP and their consultant wherein PP submitted that the lease was granted for period of 20 years from 16.05.2007 to 15.05.2027 and the lease area comes under govt. waste land. There are three other leases which are located within 500m radius. The PP has already obtained environmental clearance from SEIAA vide letter no. 154/EPCO/SEIAA/11 dt. 03/06/2011 for existing capacity. Present proposal for capacity expansion from 2100 TPA to 9064TPA. Lessee has already been obtained certified compliance report from regional office of MoEFF&CC which was placed before the committee and committee observed that compliance status is found satisfactory by the MoEF&CC. The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur. As per local geology, reserves of mineral are calculated up to 320m RL. Opencast manual/ semi-mechanized method of mining has been carried out and for capacity expansion and it is proposed to adopt other than fully mechanised mining. All operations of mining will be done by deployment of machineries, OB handling from mines to dump yard will be done by excavator and tippers as and when required. Drilling of 5-6m depth/deep hole will be done by crawler mounted drill. Uniform 9 benches of 4-5m average height will be developed and all benches will be of development cum production benches. The mining operations like sorting, screening and sizing operations will be carried out manually. Presently 3.05ha area has been excavated up to 320mRL and during the ensuing five year development, fresh area of 2000m² will be developed around the pit no.1 and cumulative area will be around 3.25ha with 9 developments cum production benches.

It is proposed to take up mining of primary bedded and the mining activity will consist of:

- Initially removal of overburden to the surface near the working pit.
- Mining of Manganese ore from ore zone.
- Removal of mined ROM to the surface for proper breaking, sizing, sorting, screening, stacking & jigging etc.

Mineral reserve detail has been discussed and found satisfactory, which is as per the approved mining plan. Geo technical details were also discussed and found satisfactory considering proposed bottom area of the ultimate pit. As reported in the EIA and other documents that the water table in the lease area varies from 32m to 34m whereas ultimate depth of mining is

proposed up to avg. 27m depth and thus ground water intersection is not envisaged. PP has proposed to develop two row plantations along the village side wherein committee has asked to develop the green belt in three row pattern towards village side. After presentation and discussion PP was asked to submit the following information:

1. Details on air pollution control measures incorporating suggestions of the committee.
2. Revised Plantation Scheme w.r.t. species and their number as suggested by the committee during presentation.

PP has submitted the response on above quarries vide letter dated 11/04/2017 which was placed before the committee which is found satisfactory and acceptable by 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 EC subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Transportation of minerals shall not be carried out through forest area.
4. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done through thick plantation all around the boundaries of lease area with development of the green belt in three row pattern towards village side.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. PP shall bound to compliance the final closure plan as approved by the IBM.
7. Retaining wall should be provided all around the OB dump area.
8. Production shall be as per the mining plan with quantity not exceeding for Manganese 9,064TPA.
9. Existing Garland drains 04 numbers (450mtX0.5mt, 800mtX0.5mt, 200mtX0.5mt, 180mtX0.25mt) should be properly maintained and to be cleaned for proper silt discharge.
10. As proposed, 10 settling pits (0.5mtX0.35mtX.05mt) shall be connected with garland drains shall be provided for proper sedimentation.
11. Existing Setting tanks - 03 numbers (0.25 ha X 5m each) should be properly maintained and to be cleaned for proper silt discharge.

12. 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) including the village side to provide additional protection in one year only.
13. Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
14. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, and green belt development. Regular de-silting of drains and pits should be carried out.
15. Regular water spraying system should be provided on 1000 meter long and 05 meter wide haul road. However, regular water spraying should also be practiced on 1100 meters long and 06 meters wide approach road for dust suppression.
16. 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.
17. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
18. The commitments made in the public hearing are to be fulfilled by the PP.
19. 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.
20. PP will comply with all the commitments made in by the letter dated 11/04/2017.

3. Case No. 4111/15 M/s Vasudha Minerals & Chemicals, Pooja Residency, D.G. 4, Opposite Vishal Sabhagrah, Koradi Road, Mankapur, Nagpura (Maharashtra)-440030. Prior Environment Clearance for approval of Dolomite Mine in an area of 3.084 ha. (29,835 TPA) at Khasra no.-105, Village-Malegaon, Tehsil-Saunsar, District-Chhindwara (MP)(EIA Consultant:M/s Vardan Environet, Gurgaon)

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-105, Village-Malegaon, Tehsil-Saunsar, District-Chhindwara (MP) 3.084 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.1894, dated: -27/08/15, has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 31.412 ha including this mine.

Earlier this case was discussed in 11th, 18th, 23rd, & 36th SEAC-II meeting and proceedings of the same can be referred in the respective meeting minutes.

SEIAA has forwarded this case file vide letter no-5779 dated-31/03/17 stating that “PP has submitted a letter dated 14/03/2017 showing his inclination to attend the SEAC meeting regularly from now onwards. It has been decided to relist the case and send the case file to SEAC for appraisal.”

Based on the above, the case was scheduled for presentation & the case was presented by the PP and their consultant wherein it was observed that it's a case of minor mineral but concerned mining officer vide letter no.1894, dated: -27/08/15 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 31.412 ha including this mine. Since the total area of cluster is >25.00 ha., committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Approved mining plan to be submitted at the time of EIA Presentation.
2. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
3. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
4. Transportation plan & traffic management plan should be discussed in the EIA report.
5. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
6. Mine water discharge plan with details of garland drains and settling tanks should be detailed out on a map in the EIA report.
7. Compliance of consent conditions duly authenticated by concerned Regional Officer, MP Pollution Control Board.
8. Year wise details of minerals already excavated till date should be submitted with EIA report.
9. Atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.
10. Hydro geological study should be carried out if ground water intersection is proposed.
11. Top soil management plan should be addressed in EIA report.

12. Input data of modeling should be addressed in EIA along with this all back up calculation.
13. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
14. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
15. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
16. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
17. Valid mining Plan/mining scheme approved by the competent authority to be submitted along with the final EIA report.
18. Data already collected (from March, 2017) can be used in the EIA report.

4. Case No. 5532/17 Shri Bharat Singh, Vill. Sustani, Tehsil - Rajgarh, Dist. Rajgarh, MP (SIA/MP/MIN/62938/2017). Prior Environment Clearance for River Sand Deposit quarry in an area of 6.740 ha. (500 cum per annum) (Khasra no. 01) at Village- Lalpurajhala, Tehsil - Rajgarh, Dist. Rajgarh (MP)

This is case of River Sand Deposit quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 01) at Village- Lalpurajhala, Tehsil - Rajgarh, Dist. Rajgarh (MP) 6.740 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.451, dated: -25/05/15, 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 during presentation it was observed as per the Google image of Jan 2017 based on the co-ordinates provided by the PP that there is a Stop dam towards western side of the lease boundary. Hence 100 mts area is to be left from the western side. During presentation PP submitted that sufficient quantity of sand is available on the lease area and since the sanctioned volume is only 500 cum/year same can be easily evacuated after leaving 100 meters from the dam side. The other submissions made by PP were found satisfactory and acceptable and thus the 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 'B':

1. Production of Sand as per mine plan with quantity not exceeding 500 cum/year.

2. District Authority should record the deposition of sand in the lease area at an interval of 50 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
3. Evacuation of sand should not be allowed through the roads passing through the villages.
4. Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
5. If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
6. The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
7. No diversion of active channel should be allowed for mining.

5. Case No. 5540/17 M/s Digiana Industries Pvt. Ltd, G-1, Sapna Chambers, 12/1, South Tukoganj, Indore, MP (SIA/MP/MIN/62976/2017). Prior Environment Clearance for River Sand Deposit in an area of 5.600 ha. (1,20,000 cum per annum) (Khasra no. 671) at Village- Barua, Tehsil - Gourihar, Dist. Chhatarpur (MP)

This is case of River Sand Deposit quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 671) at Village- Barua, Tehsil - Gourihar, Dist. Chhatarpur (MP) 5.600 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-Patr vide letter no.516, dated: -04/03/2017, 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 during presentation it was observed as per the Google image of Jan, 2017 based on the co-ordinates provided by the PP that > 90 % of the lease area is submerged in river water. Hence after presentation, PP was asked to submit revised operational production (mine working) plan of the lease area with recent photographs of the site.

6. Case No.5223/16 M/s Vedansh Minerals Resources LLP, Sub Lease, M/s M.P.State Mining Corporation Ltd, Gwalior, M.P.Prior Environment Clearance for Sand mine in an area of 19.00 ha. (57,000 cum/year) at Khasra no.-534, Village-Nivsai-B, Tehsil - Raun, Dist.Bhind

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-534, Village-Nivsai-B, Tehsil - Raun, Dist.Bhind (MP) 19.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-242, dated: 26/03/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 57. 86 ha including this mine.

Earlier this case was discussed in the 62nd SEAC-II meeting dated 23/12/2016 wherein it was observed that: Please refer the minutes of 32nd SEAC-II meeting dated-23/06/2016 where TOR was approved and same was issued vide letter dated 01/07/2016.

The case was presented by the PP and their consultant wherein during presentation PP submitted revised MO certificate and informed that there are 05 more mines within 500 meters radius of this mine as per the revised MO certificate issued vide letter dated 04/06/2016 (earlier MO has informed that there are two more mines within 500 meters) with following details:

1. Nivsairedia A 20.140 ha. Khasra No. 1,2,9,371,372 EC under consideration case no. 4169
2. Nivsairedia B 24.400 ha. Khasra No. 410 EC under consideration case no. 3704
3. Nivsairedia C 21.860 ha. Khasra No. 410,534 EC issued case no. 5151/16
Nivsai A
4. Nivsai C 19.00 ha. Khasra No. 534 EC under consideration case no.5222

OIC (Khanij), Office of Collector, Datia has submitted vide letter dated 29/07/2016 that this Badonkala mine is sanctioned prior to 09/09/2013 and thus cluster approach is not applicable on this mine. OIC (Khanij), Office of Collector, Datia has also submitted vide letter dated 05/10/2016 that within 500 meters periphery of this Badonkala mine, other mines are in existence which were also sanctioned prior to 09/09/2013. On the basis of above certificates issued by the concerned authority and as per the EIA notification, 2006 and notification dated 15/01/2016 and 01/07/2016, the mine was considered as non-cluster mine as all the mines within 500 meter periphery were sanctioned prior to 09/09/2013.

During presentation, as per the Google image of December, 2015 based on the co-ordinates provided by the PP that apprx.30% of the site is submerged in water but leaving the area under submergence, approx 13.00 ha area will be available for sand evacuation which is sufficient for evacuation of sanctioned quantity of sand as per mine plan.

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

- Production of Sand as per mine plan with quantity not exceeding 57,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

SEIAA has again forwarded this case file vide letter no-5402 dated-01/03/17 stating that “From the mining plan it was observed that the surface plan had similar coordinates as that shown in case No.-5222/2016. Both the cases should be returned to SEAC for clarification.”

PP vide letter dated-10/03/2017 which was forwarded by the SEIAA vide letter no. 5668/SEIAAA/17 dated 25/03/2017 submits that during the initial submission of the foresaid sand mine, the maps enclosed in the Mining Plan were not correct. The maps which were enclosed were of sand mine “Nivsai C” Khasra.No.-534, Area-19.00 ha, Distt-Bhind, Case No.-5222/2016. PP has further clarified that this mistake was happened as the area, Khasra No., Village, Tehsil and Distt of both the mines are same and the same mistake was repeated in the EMP. Thus PP has submitted the actual copy of Approved Mining Plan & revised EMP.

The case was presented by the PP and their consultant wherein PP informed committee that during presentation in the 62nd SEAC II meeting dated 23/12/2016, both the cases were presented one by one where in the presentation they have shown the combined details of leases but during the initial submission of the documents, the maps enclosed in the Mining Plan were not correct. The maps which were enclosed were of sand mine “Nivsai C” Khasra.No.-534, Area-19.00 ha, Distt-Bhind, Case No.-5222/2016 and happened as the area, Khasra No., Village, Tehsil and Distt. of both the mines are same and the same mistake was repeated in the EMP. But during presentation, actual co-ordinates and details of leases were presented by them. Duo to above mistake the co-ordinates of the mines registered with case no. 5222/2016 and 5223/2016 were found the same by the SEIAA as recorded in their meeting dated 15/02/2017. PP further submitted that since they have submitted the correct documents (mine plan and

revised EMP) for case no 5223/2016, both the cases (Case no.5223/2016 and 5222/2016) may be considered for the EC as recommended in the 62nd SEAC II meeting dated 23/12/2016. The committee after deliberations decided that since PP has accepted the facts and submitted the corrected copy of mine plan and revised EMP for case no. 5223/2016, both the cases (Case no.5223/2016 and 5222/2016) with above clarification may be sent to SEIAA for grant of EC in line with the recommendations made in the 62nd SEAC II meeting dated 23/12/2016.

7. Case No.-5314/2016 Shri Narayan Singh Sondhya, Salarivakheda, Teh. Biora, Dist. Rajgarh. Prior Environment Clearance for Sand deposit in an area of 10.0 ha. (15000 cubic meter per year) at Khasra no.-76, Village-Ragunathpura , Tehsil - Makhsudangargh, Dist. Guna (MP)

This is case of Sand deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-76, Village-Ragunathpura, Tehsil - Makhsudangargh, Dist. Guna (MP) 10.0 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 870 dated: 09/03/16 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Earlier this case was discussed in the 69th SEAC-II meeting dated 07/03/2016 wherein it was observed that: *The case was presented today by the PP and their consultant wherein during presentation it was observed that as per the Google image of March, 2017 based on the co-ordinate submitted by the PP, more than 90% of the lease area is submerged in water. PP during presentation submitted that sand is available on site and since the quantity is only 15,000 cubic meter same can be evacuated from the site. Committee after discussion decided that PP should submit the recent photographs of the lease area countersigned by the concerned mining officer with a report of mining officer that 15,000 cubic meter of sand is available on this lease for evacuation for further consideration of this case.*

Today the case was again placed for presentation as PP vide letter dated 24/03/2017 which was forwarded by SEIAA vide letter no. 5701/SEIAA/17 dated 28/03/2017 has submitted the Mining Officer letter No. 2034 dated 14/03/2017 wherein the Mining Officer has informed that the lease area of 10.00 ha is under the submergence of water which is also supported by the photographs of the lease area. The committee after deliberations decided that since the entire lease area is submerged in water as per the report of the Mining Officer, District Guna, the case is not recommended for grant of EC.

8. Case No. 4094/15 Shri Som Prakash, Director, M/s Som Projects Pvt. Ltd., D-09, HIG Colony, Indore (MP)-452008. Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (Stone-66,229 & Murrum-14,677 cum/year) at Khasra no.-131/1/1/2, Village-Rangwasa, Tehsil-Depalpur, District-Indore (MP)

This is case of Stone quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra No. 131/1/1/2 at Village-Rangwasa, Tehsil-Depalpur, District-Indore (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, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 1601 dated: 16/12/2016 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 18.926 ha including this mine.

Earlier this case was discussed in 69th SEAC-II meeting dated-07/03/2017 wherein it was observed that: *this case was discussed in 67th SEAC-II meeting dated-07/02/2017 wherein it was observed that: Today, this case was again placed in agenda as SEIAA has been forwarded this case to SEAC vide letter no.-5133 dated-30/01/2017 stating that the “PP has submitted the information regarding number of mines within 500 m. radius and therefore the case is hereby relisted for appraisal. In the information submitted, Collector, Indore has now reported 5 mines (mining area 14.926 ha) within 500 m. radius, whereas in the recommendation of 267th SEAC meeting earlier the number of mines was reported to be nil. Therefore it has been decided to revert the case to SEAC for reappraisal in view of the modified information submitted by Collector, Indore.*

Based on the above, the case was scheduled for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled again for presentation wherein it is recorded that 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 67th SEAC-II meeting dated-07/02/2017. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled again for presentation wherein it is recorded that 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 69th SEAC II meeting, dated-07/03/2017 & 67th SEAC-II meeting dated-07/02/2017. 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 assuming that PP is not interested to continue with the project.

9. Case No. 5520/17 Shri Tejram, R/o Village Salakhedi, Tehsil Ghattiya, Dist. Ujjain, MP. Prior Environment Clearance for Sand Quarry in an area of 12.50 ha. (3750 cum per annum) (Khasra no. 988) at Village- Chitawad, Tehsil - Mahidpur, Dist. Ujjain (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 988) at Village- Chitawad, Tehsil - Mahidpur, Dist. Ujjain (MP) 12.50 ha. The project requires Prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-Patr vide letter no. 1605 dated: 04/08/2016 has reported that there are no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in 70th SEAC-II meeting dated-15/03/2017 wherein it was observed that: *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 give another chance to PP for*

making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

Today, this case was scheduled again 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 70th SEAC-II meeting dated-15/03/2017. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

10. Case No.-5504/2016 Shri Muzaffar Khan S/o Shri Mubarik Khan, Vill. Ringnod, Tehsil - Jaora, Dist. Ratlam, MP. Prior Environment Clearance for Sand Deposit in an area of 8.0 ha. (2150 cum per annum) (Khasra no. 149) at Village- Alampur Thikariya, Tehsil - Jaora, Dist. Ratlam (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site Khasra no. 149) at Village- Alampur Thikariya, Tehsil - Jaora, Dist. Ratlam (MP) 8.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer through Ekal Praman-Patr vides letter no.-559 dated: 02/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in 70th SEAC-II meeting dated-15/03/2017 wherein it was observed that: *Today, this case was scheduled again 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 68th SEAC-II meeting dated-06/03/2017. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.*

The case was scheduled again for presentation wherein it is recorded that 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 has submitted a request that due to ill health he is unable to attend this meeting and another chance may be given to him for making the presentation which was considered by committee as last chance and even if PP remains absent case may be sent to SEIAA for delisting.

11. Case No.5222/16 M/s Vedansh Minerals Resources LLP, Sub Leese, M/s M.P. State Mining Corporation Ltd, Gwalior, M.P. Prior Environment Clearance for Sand mine in an area of 19.00 ha. (57,000 cum/year) at Khasra no .-534, Village-Nivsai-C, Tehsil - Raun, Dist.Bhind (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-534, Village-Nivsai-C, Tehsil - Raun, Dist.Bhind (MP) 19.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.-243, dated: 26/03/16, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 57. 86 ha including this mine.

Please refer the minutes of 32nd SEAC-II meeting dated-23/06/2016 where TOR were approved and was issued to the PP vide letter no. 1109 dated 01/07/2016.

The case was presented by the PP and their consultant wherein during presentation PP submitted revised MO certificate and informed that there are 05 more mines within 500 meters radius of this mine as per the revised MO certificate issued vide letter dated 04/06/2016 (earlier MO has informed that there are two more mines within 500 meters) with following details:

- | | | | |
|------------------|------------|--------------------------|--------------------------------------|
| 1. Nivsairedia A | 20.140 ha. | Khasra No. 1,2,9,371,372 | EC under consideration case no. 4169 |
| 2. Nivsairedia B | 24.400 ha. | Khasra No. 410 | EC under consideration case no. 3704 |
| 3. Nivsairedia C | 21.860 ha. | Khasra No. 410,534 | EC issued case no. 5151/16 |

Nivsai A

4. Nivasi B 19.00 ha. Khasra No. 534 EC under consideration case no. 5223

OIC (Khanij), Office of Collector, Bhind has submitted vide letter dated 30/07/2016 that this mine is sanctioned prior to 09/09/2013 and thus cluster approach is not applicable on this mine. On the basis of above certificates issued by the concerned authority and as per the EIA notification, 2006 and notifications dated 15/01/2016 & 01/07/2016, the mine was considered as non-cluster as was sanctioned prior to 09/09/2013.

During presentation, as per the Google image of December, 2015 based on the co-ordinates provided by the PP that approx 30% of the site is submerged in water but leaving the area under submergence, approx 13.00 ha area will be available for sand evacuation which is sufficient for evacuation of sanctioned quantity of sand as per mine plan.

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

- Production of Sand as per mine plan with quantity not exceeding 57,000 cum/year.
- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.

SEIAA has again forwarded this case file vide letter no-5400 dated 01/03/17 stating that "From the mining plan it was observed that the surface plan had similar coordinates as that shown in case No.-5222/2016. Both the cases should be returned to SEAC for clarification". PP vide letter dated-11/04/2017 has submitted revised EMP & CSR.

The case was presented by the PP and their consultant wherein PP informed committee that during presentation in the 62nd SEAC II meeting dated 23/12/2016, both the cases (5222/16 and 5223/16) were presented one by one where in the presentation they have shown the combined details of leases but during the initial submission of the documents, the maps enclosed in the Mining Plan were not correct. The maps which were enclosed were of sand mine "Nivsai C" Khasra.No.-534, Area-19.00 ha, Distt-Bhind, Case No.-5222/2016 and happened as the area, Khasra No., Village, Tehsil and Distt. of both the mines are same and the same mistake was repeated in the EMP. But during presentation, actual co-ordinates and details of leases were presented by them. Duo to above mistake the co-ordinates of the mines registered with case no. 5222/2016 and 5223/2016 were found the same by the SEIAA as recorded in their meeting

dated 15/02/2017. PP further submitted that since they have submitted the correct documents (mine plan and revised EMP) for case no 5223/2016, both the cases (Case no.5223/2016 and 5222/2016) may be considered for the EC as recommended in the 62nd SEAC II meeting dated 23/12/2016. The committee after deliberations decided that since PP has accepted the facts and submitted the corrected copy of mine plan and revised EMP for case no. 5223/2016, both the cases (Case no.5223/2016 and 5222/2016) with above clarification may be sent to SEIAA for grant of EC in line with the recommendations made in the 62nd SEAC II meeting dated 23/12/2016.

(Mohd. Kasam Khan, Member)

(Dr.Mohd. Akram Khan, Member)

(R. K. Sharma, Member)

(Dr.Sonal Mehta, Member)

(Prashant Shrivastava, Member)

(Dr. Navin Chandra, Chairman)

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

1. 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.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
3. Transportation of material shall be done in covered vehicles.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done using appropriate media.
6. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
10. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
11. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
12. 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.
13. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

1. The amount towards reclamation of the 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.
2. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
3. Plantation shall be carried out on the banks for stabilization of the banks.
4. The mining activity shall be done manually.
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 trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies 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. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
7. 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.
8. No Mining shall be carried out during Monsoon season.
9. The depth of mining shall be restricted to 3m or water level, whichever is less.
10. No in-stream mining shall be allowed.
11. The mining shall be carried out strictly as per the approved mining plan and ensure 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. Established water conveyance channels should not be relocated, straightened, or modified.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
16. EC will be valid for mine lease period subject to a ceiling of 5 years.
17. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu 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 amount towards reclamation of the 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.
4. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
5. The mining activity shall be done manually.
6. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
12. The mining shall be carried out strictly as per the approved mining plan.