

The 68th meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 6th March, 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 Anil Kumar Sharma, Member.
4. Shri Rajendra Kumar Sharma, Member.
5. Dr. Sonal Mehta, Member.

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

1. Case No.-5267/2016 M.P.State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor Jail Road, Bhopal. Prior Environment Clearance for River Sand Quarry in an area of 22.500 ha. (4,50,000 cum/year) at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP). (EIA Consultant: M/s SFRI, Jabalpur)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP) 22.500 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. NIL dated: 13/4/16 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 45.043 ha including this mine.

The case was presented by the PP and their consultant in the 39th SEAC II meeting dated 14/07/2016 wherein during presentation, it was observed that as per the certificate issued by the DFO, Wild Life Sanctuary is at a distance of 8.4 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/739/2016 and date of submission is 20/06/2016. During presentation it was also observed that concerned mining officer vide letter no. NIL

dated: 13/4/16 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 45.043 ha including this mine. It being a case of cluster where the total area is > 25 ha it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Detailed evacuation plan is to be discussed in the EIA report.
2. EIA/EMP is required to be prepared for entire cluster in order to cover all the possible externalities. The report should cover carrying capacity, transportation and other related issues for the cluster.
3. Photographs and maps depicting all the mines present in the cluster.
4. On a Google map, show all the mines in a cluster with all four co-ordinates of individual mines.
5. The date and duration of carrying out the base line data collection and monitoring be informed to the concerned Regional Officer of the M. P. Pollution Control Board.
6. Photographs of individual mine during EIA process with date.
7. Justify the production from each mine and also justify the duration when mining is possible.
8. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
9. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.
10. Discuss and assess impacts of sand mining on pisciculture.
11. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.
12. Discuss the measures that will be adopted for the bank erosion.
13. Indicate in EIA the structures such as bridges/barrages/dams close to individual leases in cluster and effects of mining on their structure stability with protection plan.
14. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.
15. If a habitation is in close vicinity of ML area then possible impacts & mitigation measures be addressed in EIA. Additional monitoring stations should be established nearby the habitations.

PP has submitted the EIA report on dated 01/02/2017 which was forwarded by the SEIAA

vide letter no. 5232/SEIAA/17 dated 08/02/2017.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the co-ordinates mentioned in the mining plan are different than the co-ordinate mentioned in the EIA report. PP submitted that the co-ordinates mentioned in the mine plan are incorrect and thus they have obtained revised co-ordinates through concerned mining officer vide their letter no. 185 dated 01/03/2017. It was also observed by the committee that there are three mines in the cluster as details given below:

Sl. No.	Case No.	Mine Name	Area in ha.	Capacity in cubic meter
1.	5267/2016	Gwadikala	22.500	4,50,000
2.	5268/2016	Gwadikala	18.543	3,69,060
3.	2728/2015	Gwadikala	4.000	1,15,000
TOTAL			45.043	9,34,060

Out of above three mines, one case is transferred to DEIAA (2728/2015) as the lease is of <5.00 ha and it was sanctioned prior to 09/09/2013 on submission of necessary documents by MPSMC, Bhopal as per the recommendations of 47th SEAC II meeting dated 27/08/2016. It was further observed that as per the certificate issued by the DFO, Wild Life Sanctuary is within 10 kms (a Notified PA) radius of site and thus clearance from NBWL is needed for which PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/739/2016 and date of submission is 20/06/2016. Thus the grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

During discussion it was observed by the committee that evacuation of 9,34,060 cubic meter of sand (including all three mines in cluster) is proposed through Gwadikala village and the same issue was also raised during public hearing wherein it was committed by the PP that bypass road has been proposed and responsibility of its construction and maintenance is entrusted to the concerned contractor & included in the EMP. After presentation, PP was asked to submit response on following:

1. As committed during public hearing, PP should submit the details of alternate road bypassing the village with its dimensions such as length, width etc considering the evacuation of 9,34,060 cubic meter of sand and traffic load.

2. Revised plantation scheme as suggested by the committee during presentation with number and their species their distribution on river bank, village road and evacuation road and other possible places.
3. Revised EMP incorporating the cost of alternate road bypassing the village.

2. Case No.-5268/2016 M.P.State Mining Corporation Ltd Paryawa Bhawan, Block No. 1, 2nd Floor Jail Road, Bhopal. Prior Environment Clearance for River Sand Quarry in an area of 18.543 ha. (3,69,060 cum/year) at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP) (EIA Consultant: M/s SFRI, Jabalpur)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-108, Village-Gwadikala, Tehsil - Itarsi, Dist. Hoshangabad (MP) 18.543 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in the 39th SEAC II meeting dated 14/07/2016 wherein during presentation, it was observed that as per the certificate issued by the DFO, Wild Life Sanctuary is at a distance of 8.4 kms (a Notified PA) Clearance from NBWL is therefore needed. PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/740/2016 and date of submission is 20/06/2016. During presentation it was also observed that concerned mining officer vide letter no. NIL dated: 13/4/16 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 45.043 ha including this mine. It being a case of cluster where the total area is > 25 ha it was decided to consider this case as B-1 and committee recommended to issue standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Detailed evacuation plan is to be discussed in the EIA report.
2. EIA/EMP is required to be prepared for entire cluster in order to cover all the possible externalities. The report should cover carrying capacity, transportation and other related issues for the cluster.
3. Photographs and maps depicting all the mines present in the cluster.
4. On a Google map, show all the mines in a cluster with all four co-ordinates of individual mines.
5. The date and duration of carrying out the base line data collection and monitoring be informed to the concerned Regional Officer of the M. P. Pollution Control Board.
6. Photographs of individual mine during EIA process with date.

7. Justify the production from each mine and also justify the duration when mining is possible.
8. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
9. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.
10. Discuss and assess impacts of sand mining on pisciculture.
11. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.
12. Discuss the measures that will be adopted for the bank erosion.
13. Indicate in EIA the structures such as bridges/barrages/dams close to individual leases in cluster and effects of mining on their structure stability with protection plan.
14. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.
15. If a habitation is in close vicinity of ML area then possible impacts & mitigation measures be addressed in EIA. Additional monitoring stations should be established nearby the habitations.

PP has submitted the EIA report on dated 01/02/2017 which was forwarded by the SEIAA vide letter no. 5232/SEIAA/17 dated 08/02/2017.

The case was presented by the PP and their consultant wherein during presentation it was observed by the committee that the co-ordinates mentioned in the mining plan are different than the co-ordinate mentioned in the EIA report. PP submitted that the co-ordinates mentioned in the mine plan are incorrect and thus they have obtained revised co-ordinates through concerned mining officer vide their letter no. 185 dated 01/03/2017. It was also observed by the committee that there are three mines in the cluster as details given below:

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TOTAL			45.043	9,34,060

Out of above three mines, one case is transferred to DEIAA (2728/2015) as the lease is of <5.00 ha and it was sanctioned prior to 09/09/2013 on submission of necessary documents

by MPSMC, Bhopal as per the recommendations of 47th SEAC II meeting dated 27/08/2016. It was further observed that as per the certificate issued by the DFO, Wild Life Sanctuary is within 10 kms (a Notified PA) radius of site and thus clearance from NBWL is needed for which PP has submitted the copy of online application made for wild life clearance with proposal no. FP/MP/MIN/739/2016 and date of submission is 20/06/2016. Thus the grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

During discussion it was observed by the committee that evacuation of 9,34,060 cubic meter of sand (including all three mines in cluster) is proposed through Gwadikala village and the same issue was also raised during public hearing wherein it was committed by the PP that bypass road has been proposed and responsibility of its construction and maintenance is entrusted to the concerned contractor & included in the EMP. After presentation, PP was asked to submit response on following:

1. As committed during public hearing, PP should submit the details of alternate road bypassing the village with its dimensions such as length, width etc considering the evacuation of 9,34,060 cubic meter of sand and traffic load.
 2. Revised plantation scheme as suggested by the committee during presentation with number and their species their distribution on river bank, village road and evacuation road and other possible places.
 3. Revised EMP incorporating the cost of alternate road bypassing the village.
2. **Case No.4305/15 Shri I. Patric Dhanraj R/o 101-C, Parwani Complex, Civil Line, Raipur (CG)-492 001.Prior Environment Clearance for approval of Manganese Ore Mine in an area of 40.47 ha. (36,000 cum/year) at Khasra no.-37/5,Village-Ghondi, Tehsil-Paraswara (Baihar), District-Balaghat (MP) (EIA Consultant: M/s Cognizance Research India Private Limited, Noida)**

This is case of Manganese Ore Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-37/5, Village-Ghondi, Tehsil-Paraswara (Baihar), District-Balaghat (MP) 40.47 ha. The project requires prior EC before commencement of any activity at site.

1. PROJECT DETAILS

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|----|---------------------|---|---------------------------|
| 1. | Name of the project | - | Ghondi Manganese Ore Mine |
|----|---------------------|---|---------------------------|

- Locatio – Village – Ghondi, Tehsil –
Paraswara, Dist. – Balaghat (M.P.)
2. Name of the PP and Address – I Patric Dhanaraaj
'Om Kutir', Opp. Saggur Nursing
Home, Civil Lines, Raipur, C.G.-492001
3. Bounding Co-ordinates of the project – Latitude – 21^o56'25.43" to 21^o57'02.43"N
Longitude – 80^o25'32.11" to 80^o25'59.97"E
4. Cost of the project – 2.15 Crore
5. Whether new or expansion project – New
6. Type of Mine – Opencast & Underground
7. Capacity of the mine applied for – 36000 TPA
8. Khasra No./ML Area – Khasra no. – 37/5, ML area – 40.47 Ha.
9. Mineral Reserves – Proved Mineral Reserve – 3,02,000 T
Mineable Mineral Reserve – 2,38,500 T
10. Status of Grant of ML – Mining Lease was granted by M.P. Govt. Mineral
Resource Department
11. Existing Land Use – Govt. revenue land – 40.47 Ha.

II. Salient Features of Project –

Topography	The area in general is a territory in northern part and hilly in southern part having gently slopes toward eastern direction. The maximum RL is 666 m on the southwestern side and lowest is about 612 m on the southeast part of		
Nearest Habitation/ Town	Ghondi village – 1.2 km. towards almost South		
Nearest Airport	Nagpur 224 km. SW		
Nearest Railway Station	Balaghat 40 km. SW		
Nearest Highway	State Highway – 26, about 1.0 km. North		
Nearest tourist places	None within 10 km study area		
Defense installations	None within 10 km study area		
Archeological features	None within 10 km study area		
Ecological sensitive zone	None within 10 km study area		
Neareast Streams/rivers/water bodies (from mine	S.No.	Watercourses (Seasonal)	Aerial Distance& Direction
	1	Amanala	1.5 km SW
	2	Nahra Nala	0.5 km West
	3	Malwara Nala	1.1 km S
Nearest Forest areas	RF 1802*	Adjoining West, South & East 10 km.	
	Baihar Forest Range Amatola	NNE 8.0 km. S	
	*Permission from State level Forest Committee has been obtained.		

Opencast Mining	The mining will be carried out by opencast mechanized method consists of following operations:
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	<p>1) OB material will be removed by excavator and dumper combination to dump sites and for construction of haulage roads.</p> <p>2) Drilling will be carried out by 32 – 80 mm dia hole by jack hammers/wagon drill and blasting will carried out using explosive.</p> <p>4) Excavation and loading of manganese ore into small dumpers / trolleys and transport to storage yard for further processing.</p>												
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Underground Mining	<p>The underground mining will be started from fifth year onwards. Inclined winzes and horizontal levels will be developed for block preparation for stoping.</p> <p>Inclines will be used as an approach to the underground working for haulage of mined out material at different levels on the foot wall side. The underground access will be made from Inclines and haulage will be installed at the surface level, transportation of ore produced from the underground will be carried out through this haulage.</p> <p>After 30 m of horizontal development, 2 consecutive levels will be connected with incline / raise, for formation of a block. After completion of blocks, stoping will be carried out accordingly.</p> <p>For block support, rock bolt of 1.5 m length, 20 mm dia will be used on one m grid pattern. Additional support will be installed if safety consideration demands.</p> <p>Spades and manganese pans will be used to load the muck into mine cars. These mine cars will be hoisted to surface and trammed to a bin on the surface. From the bin, ore is loaded by chute into a truck which will be transported to the sorting yards.</p> <p>The void areas after extraction of ore will be filled by generated waste material.</p>												
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Maximum number of holes blasted in a round	11 Nos.
Charge per round (kg)	1.12 kg
Charge per hole (kg)	1.12 kg
Type of explosive	Superpower gelatin and electric delay r detonator
Powder Factor (Actual) For development of level- And During stoping -	2 tonnes /kg 5 tonnes /kg

Land use break up	Description	Area in Hectares			
			Present	Additional area required during this plan period	End of the 5 year
1	Area under Pits	0.943	8.24	8.00	14.40
2	Area under roads	0.280	0.20	0.48	0.48
3	Area under office infrastructure	Nil	0.64	0.64	0.64
4	Area under top soil Dump	Nil	3.20	3.20	4.22
5	Area under C & S plant / Storage	Nil	0.50	0.50	0.50
6	Area under Waste Dump	Nil	8.66	8.66	12.00
7	Area under subgrade / reject Dump	Nil	0.10	0.10	0.10
8	Area under Plantation	Nil	1.00	1.00	3.00
9	Proposed Area for U/G Mining	Nil	1.00	1.00	5.13
	Total	1.223	23.30	24.523	40.47

The case was presented by the PP in the 05th SEAC II meeting dated 17/02/2016. 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.
4. Any alternate route avoiding the nearby habitations.
5. Ambient Air Quality and Noise Monitoring should be carried out atleast at 10 locations wherein 06 locations should be in surrounding villages, two at transportation road and 02 in core zone.
6. Similarly, Water Quality Monitoring should also be carried out atleast at 10 locations wherein 06 locations should be in surrounding villages, one each at Hudda Talab, Tantatola talab and existing nearby stream and 01 in core zone.

PP has submitted the EIA report on dated 15/02/2017 which was forwarded by the SEIAA vide letter no. 5294/SEIAA/17 dated 16/02/2017.

The case was presented by the PP and their consultant wherein PP informed that this lease was sanctioned in the year 1998 and both operations opencast and underground are proposed in phased manner. Initially open case mining operations will be taken up and later on as the open case operations becomes uneconomical underground operations will be deployed. During presentation PP informed that they have submitted the revised mine plan duly approved by the competent authority IBM, Jabalpur vide letter no. BGT/MN/MPLN-657/NGP/2015/2567 dated 17/08/2016 for 30,000 TPA capacity. The total life of mine is 14 years with 30,000 TPA productions.

During presentation it was observed by the committee that very substandard EIA is prepared by the consultant and there are several mistakes in it and numerous relevant information as per standard TOR issued by the MoEF&CC and related to underground mining operations are not properly addressed. Committee after deliberations decide that Secretary, SEAC may be requested to take-up the issue of such substandard EIA prepared by the consultant M/s Cognizance Research India Private Limited, Noida through NABET (Quality Council of India) after giving him an opportunity for explanation. After presentation, PP was asked to submit revised EIA considering following issues:

1. PP has not submitted the details of previous year's production. Thus PP was asked to submit production details since 1998 till date or an affidavit stating that no

production is carried out since 1998.

2. The TOR was approved for 36,000 cum/year and the revised mine plan is approved for the production capacity of 30,000 TPA but in EIA report the production capacity is differently mentioned as 5,00,000 TPA (p/101) or 19,000 TPA (table 2.24) which needs correction and authentic value.
3. Similarly, the OB as per the approved mine plan is 8,66,330 cubic meter (p/30) while in EIA report it is wrongly mentioned as 2,66,336 cubic meter (p/31 & 37) which also needs correction.
4. In EIA report table 1.1, “Salient features of the project site”, details of important environmental features have not been mentioned. A lake is in close proximity (within 500 meters) but details are missing in EIA report. Thus details of all sensitive features should be mentioned in this section
5. In EIA point no. 2.7.2, it is mentioned that no electricity is required during mining operations. (p/48) Please justify how o/c and u/g mining operation will be carryout without electricity.
6. In EIA report table 2.2, (p/26) “Seismicity”, Seismic zone-II is mentioned. However, in another table at 3.5.7 (p/57) “Seismic zone-III” is mentioned which is classified as “Moderate Damage Risk Zone”. Since this lease involve both the operations of open cast and underground mining this information is very important for evaluation of the project. Thus actual “Seismicity Details” should be mentioned in the revised EIA report.
7. In EIA report figure 3.10 (p/64), “On site wind rose”, it is shown that the predominant wind direction is from SW to NE but in the text it is mentioned as NW to SE which is not corresponding to the wind rose and raise a doubt about the data which is used for the input of the modeling. Thus in the revise EIA report correct wind pattern should be provided with all the values used as input data for modeling.
8. Similarly, in the Isopleths (p/105) it is not clear that which type of emission source is considered for modeling such as “open pit source” or “Line Source”. Thus in the revise EIA report necessary clarification should be provided.
9. In EIA report table 4.14 (p/107-108), “Increase in traffic due to the proposed project”, it is shown that 94 cars and 66 buses trips have been considered for assessing the impact due to traffic. Thus in the revise EIA report necessary

clarification should be provided how 94 cars and 66 bus trips are envisaged.

10. Similarly, at page no 108 in “Meteorological data” it is reported that maximum emission load is due to morning office, college time and evening time. As such considering the remote location of project, PP should provide number and list of colleges and offices located in the area that contributing emission load in the revised EIA report.
11. Headings of table 3-16 “Ground Water Results” are unreadable. Should be properly reproduced in the revised EIA report.
12. In EIA report 2.6.4 “Drinking Water Management” 9.00 KL requirement of water is predicted. However, water required for dust suppression and plantation is not assessed and reported in the EIA report which should be provided in the revised EIA report.
13. Details of proposed garland drains and settling tanks are missing in the EIA report which should be provided in the revised EIA report with their numbers, size and dimensions on surface map.
14. Following details/information are not provided in the EIA report as per the issued TOR which should be submitted with the revised EIA report :
 - a. DFO certificate regarding distance from National Park/ Century and Eco-Sensitive Zone of 10 Kms distance.
 - b. Inventory of all proposed and existing mines within 2.00 Kms radius.
 - c. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
15. Following details/information are not provided in the EIA report related to underground mining which should be submitted with the revised EIA report :
 - a. Entry in underground mining is proposed from the open cast mine pit and thus there is possibility of entering accumulated rain water in the underground mine. Thus PP should provide details of safety measures proposed as per DGMS norms to avoid such situation.
 - b. Being underground mine, subsidence study should be carried out.

- c. Details inventory of 1473 plants which will be uprooted during the execution of the project.
 - d. As ground water table intersection is proposed, PP should submit hydro-geological study report.
 - e. For underground mining operations details of proposed standard illumination as per DGMS norms should be provided.
 - f. For underground mining operations details of proposed ventilation system such as capacity of fan, Veq ratio, quantity of intake air and exhaust air etc shall be discussed in detail in revised EIA along with layout as per DGMS norms.
 - g. VTC plan as per DGMS norms should also be detailed out in the EIA report.
 - h. Details of roof support system, back of excavation wall, hanging wall and freshly exposed wall (type of rods/cable bolt, their length, diameter etc) with load bearing capacity should be provided.
 - i. Detailed proposal of sand stowing should also be provided. PP should also explore the possibility of using other wastes for sand stowing after confirming its suitability by leachates study.
 - j. Details proposal for conducting blast vibration study should be submitted.
 - k. For management of mine water in underground operations proposal for underground sumps with their dimensions along with details about water pumps of suitable capacity along with pumping layout shall be submitted.
16. Being the case of underground mining, following maps/details should also be provided with the revised EIA report:
- a. Mine ventilation plan with intake and return air location in drawing with details such as air pressure, fan etc.
 - b. Mine working plan with both existing and proposed mining.

- c. Mine surface plan with all surface feature as per DGMS rules such as HT line, surface water body, existing OB storage area etc with proper indexing.
- d. Underground layout with layout for Pumping, Underground sump, Illumination, Roof support system and Vertical section (Lithology & working seam).
- e. Precaution against fire, water, blasting, rescue plan/emergency plan with section and layout, gas, dust (underground dust survey plan and report, personal dust sampling), water (HFL of surface water body, sump capacity to be provide considering worst case scenario approx such as 48 hours power failure.)
- f. Mechanism with pollution control measures proposed for transportation of mineral from underground to surface and from surface to end use.

3. Case No.5512/2017 Shri Raghvendra Kumar Agrawal, 47, Prabhat Vihar Colony, Satna, MP (SIA/MP/MIN/17804/2016).Prior Environment Clearance for Bauxite and Laterite Mine in an area of 11.099 ha. (30,000 TPA) (Khasra no. P-56, P-61) at Village-Barui, Tehsil - Majhgawan, Dist. Satna, (MP)

This is case of Bauxite and Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. P-56, P-61) at Village- Barui, Tehsil - Majhgawan, Dist. Satna,(MP) 11.099ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant wherein it was observed that being it's a case of major mineral 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. An affidavit by the PP that no production is being carried out since 2006.
 13. Input data of modeling should be addressed in EIA along with this all back up calculation.
 14. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
 15. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
 16. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
 17. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
4. **Case No. 2110/2014 Shri Bhagchand Nemnani S/o Shri Manikchand Nemnani, Pandhana, Khandwa (MP)-450337. Prior Environment Clearance for approval of proposed Stone Quarry in an area of 4.00 ha. at Khasra no.-282/5, Village-Pandhana, Tehsil-Pandhana, District-Khandwa (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no.-282/5, Village-Pandhana, Tehsil-Pandhana, District-Khandwa (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 vides letter no.-12037 dated: 24/09/14, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in SEAC 183rd meeting dated-27/04/2015 wherein it was observed that: *The case was considered in the 169th meeting dated 27/01/2015 whereby the PP was asked to submit response on the following points:*

- *Comments of concerned Forest Officer not below the rank of DFO, on presence of scheduled animals reported in the mining plan.*
- *Post-mine conceptual plan with ultimate land-use planning after the mining is complete.*

PP has submitted response to the said points and the same was placed before the committee. The letter no 820 dated 20/04/2015 from Forest department submitted by the PP states no wild animal passes from the project site. The clarification of post-mine land-use has also been submitted by the PP.

Based on the submission of the PP the case was recommended for grant of prior EC subject to the following special conditions:

- 1. Garland drain and check-dams shall be constructed all around the dumps to prevent and flow from the mining site.*
- 2. 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.*
- 3. The mined out pits shall be developed into water body being appropriately fenced and with safe stairway.*
- 4. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA*
- 5. Transportation of material shall be done in covered vehicles.*
- 6. Necessary consents shall be obtained from MPPCB and the air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.*
- 7. Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.*
- 8. Curtaining of site shall be done using appropriate media.*
- 9. Production of stone boulder shall be as per the mining plan not exceeding 39900 m³/Year.*
- 10. The proposed plantation should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement.*
- 11. Transportation shall not be carried out through forest area.*
- 12. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.*
- 13. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.*
- 14. 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.

SEIAA vide letter no.4916 dated:06-01-2017 forwarded this case file to SEAC stating that The case was discussed in 396th SEIAA meeting dtd 20.12.2016 and it was recorded that “PP has submitted a request for amending the average depth of pit to 18 m. In this case EC was issued on 30.06.2015 with a condition that the average depth of the pit shall not exceed 6 m. at the end of the lease period. The old record and the mining plan submitted by the PP was perused and it was observed from the production plan that PP would be excavating 7000 sq. mtr. (6 m. depth) in 3 different portions/pits of the lease area. Nowhere in the approved mining plan the depth has been recommended as 18 m. Therefore it has been decided to inform the PP accordingly”. PP has submitted a representation on 06.12.2016 reiterating that the depth of mining plan be permitted up to a depth of 18 m and SEIAA has sent the file to SEAC for comments.

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 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.

5. Case No.- 2862/2015 Shri Vikash Sharma, Mahaveer Colony, Sendhwa, Distt. - Barwani (MP)-451666.Mehatgaon River Sand-Bajri Deposit Lease Area - 7.770 ha.Capacity -7,425 cum/year, at Khasra No.- 38, Vill.-Mehatgaon, Teh.-Sendhwa, District-Barwani

This is case of Mehatgaon River Sand-Bajri Deposit. The application was forwarded by SEIAA to SEAC for appraisal.The proposed site, at Khasra No. - 38, Vill.-Mehatgaon, Teh.-Sendhwa, District-Barwani (MP) 7.770 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.266, dated: 31/03/15, has reported that there are no more mines operating or proposed within 1000 meters around the said mine.

Earlier this case was discussed in 58, 61 & 67 SEAC-II meeting and proceedings of the same can be referred in the respective meeting minutes.

SEIAA vide letter no.-5135 dated: 30/01/2017 forwarded this case stating that “The case was discussed in 398th meeting dtd. 02.01.2017 and it was recorded that: The case was recommended in 61st SEAC-II meeting dated. 25.11.2016 and it was recorded that.... *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 58th SEAC-II meeting dated-10/11/16. Thus Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent in the 58th and 61st SEAC meetings, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.*

PP has submitted an application dated 09.01.2017 for relisting the case on the condition as they are ready for presentation before the SEAC. It has been decided to relist the case & send the file to SEAC for appraisal.

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. PP was also absent in 67th SEAC-II meeting dated-06/02/2017. Thus Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent in the 67th and 68th SEAC meetings, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

6. Case No.-5502/2016 Mr. Jigar Bambhaniya S/o Ashok Bambhaniya, 48, Kailash Nagar, Dabda Anjar Katchh, Dist. Gujarat – 473331 (SIA/MP/MIN/58864/2016). Prior Environment Clearance for Sand Auction Quarry in an area of 5.043 ha. (4000 cum per annum) (Khasra no. 149) at Village- Sohpur, Tehsil - Naisaray (New Tehsil Shadora), Dist. Ashoknagar (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- Sohpur, Tehsil - Naisaray (New Tehsil Shadora), Dist. Ashoknagar (MP) 5.043 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.-302 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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.

7. Case No.-5503/2016 Shri Israil Khan S/o Mammu Khan, Vill. Hasanpaliya, Tehsil - Piplouda, Dist. Ratlam, MP (SIA/MP/MIN/58238/2016). Prior Environment Clearance for Sand Deposit in an area of 5.40 ha. (1540 cum per annum) (Khasra no. 48, 79, 295, 84/1) at Village- Mewasa, Tehsil - Ratlam, Dist. Ratlam (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. 48, 79, 295, 84/1) at Village- Mewasa, Tehsil - Ratlam, Dist. Ratlam (MP) 5.40 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.-558 dated: 02/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Case was presented by the PP and their Consultant and during presentation and discussion it was observed by committee that the mining lease appears to be in three parts thus not contiguous in nature and also not in accordance with the MP MMR,1996 rule 04 (3). During discussion PP submitted that it is a single mine which is continuous in nature and area has been left due to a bridge in between the lease area. Committee after discussion decided that they should submit clarification from the concerned mining officer that mine is sanction in accordance with the MP MMR,1996 rule 04 (3) and is contiguous in nature.

8. 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.

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.

9. Case No.-5505/2016 Shri Mohammad Sakir Khan S/o Shri Mohammad Sabir Khan, 32/11, Khatripura, Tehsil -Jaora, Dist. Ratlam, MP. Prior Environment Clearance for Sand Deposit in an area of 6.0 ha. (1640 cum per annum) (Khasra no. 2) at Village- Khojan Kheda, 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. 2) at Village- Khojan Kheda, Tehsil - Jaora, Dist. Ratlam (MP) 6.00 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.-560 dated: 02/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Case was presented by the PP and their Consultant wherein the 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 1,640 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.

10. Case No.-5506/2016 Shri Faruk Khan S/o Shri Sahabuddin Khan, Village- Islam Nagar, Tehsil - Jaora, Dist. Ratlam, MP. Prior Environment Clearance for Sand Deposit in an area of 12.97 ha. (20,000 cum per annum) (Khasra no. 110, 111) at Village- Dudhekhedi, 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. 110, 111) at Village- Dudhekhedi, Tehsil - Jaora, Dist. Ratlam (MP) 12.97 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.-561 dated: 02/08/16, has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Case was presented by the PP and their Consultant and during presentation and discussion it was observed by committee that as per the Google image of Dec.2015, the co-ordinates given in the mining plan are falling in the nearby field and on the edge of river bank. Thus committee asked PP to submit revised co-ordinates of the lease area, which should also duly verified by the competent authority for the further consideration of this project.

11. Case No.-5489/2016 Shri Ayazuddin Shaikh S/o Shri Jamaluddin Shaikh, 7, Civil Lines, Infront Collector Bunglow, Dewas, MP – 465001 SIA/MP/MIN/60007/2016. Prior Environment Clearance for Stone Mining Quarry in an area of 5.750 ha. (20,000 cum per annum) (Khasra no. 780, 782 Min 2) at Village- Surajpur, Tehsil - Shajapur,

Dist. Shajapur (MP)

This is case of Stone Mining Quarry (for Gitti). The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 780, 782 Min 2) at Village-Surajpur, Tehsil - Shajapur, Dist. Shajapur (MP) 5.750 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.1042, dated: 21/11/16 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 14.750 ha including this mine.

Earlier this case was discussed in 64th SEAC-II meeting dated-16/01/2017 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 call the PP in subsequent meetings and even if the PP remains absent, the case shall be returned to SEIAA for delisting 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 64th SEAC-II meeting dated-16/01/2017. 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.

12. Case No.-5440/2016 Shri Dharmendra Singh S/o Shri Prabhunath Singh, 32, Vill. Bedda, Teh. Selana, Distt. Ratlam, MP – 458667. Prior Environment Clearance for Sand Deposit Quarry in an area of 5.70 ha. (10,000 cum per annum) (Khasra no. 01, 483) at Village- Bhadankala, Tehsil - Bajna, Dist. Ratlam (MP)

This is case of Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located (Khasra no. 01, 483) at Village- Bhadankala, Tehsil - Bajna, Dist. Ratlam (MP) 5.70 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. 1072 dated:15/12/2016 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

Earlier this case was discussed in 58th SEAC-II meeting dated-10/11/2016 wherein it was observed that: *The case was presented by the PP and their consultant wherein during presentation it was observed as per the Google image of April 2013 based on the coordinates provided by the PP, approximately 50 % of the lease area is submerged in water but only 10,000 cum/year of sand is required which can be easily evacuated from the remaining area. The 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':*

- *Production of Sand as per mine plan with quantity not exceeding 10,000 cum/year.*
- *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.*
- *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 vide letter no.-5054 dated-23/01/2017 again forwarded this case to SEAC stating that: From the Google map it is observed that the mining site is totally submerged by the backwater of Mahi Dam, the case may be returned to SEAC for further appraisal.

The case was scheduled for discussion today wherein committee observed that the case was earlier recommended for EC in the 58th SEAC-II meeting dated 10/11/2016 considering the Google image of April 2013 wherein it is mentioned in the minutes that approximately 50% of the area is submerged in water but since only 10,000 cum/year of sand is required same can be easily evacuated from the remaining area which is not submerged. As per the comments of SEIAA the recent Google image is off September, 2016 which is off rainy season and being

the mine site on the upstream of Mahi Dam the area is submerged in the water. PP present during the discussion submitted that after rainy season the water recedes and sand can be evacuated from the lease. PP also submitted the photographs of the area duly countersigned by the mining inspector showing availability of sand on the lease area. Committee after deliberations decided that a report of mining officer should be obtained about the availability of sand on the lease for further consideration of the project.

13. Case No. - 3092/15 - Shri Raj Kumar Nema, OIC, Sub Off., M.P. State Mining Corporation Ltd., H.No. 12 Ward No. 17, Sainath Colony, Meenakshi, Hoshangabad (MP). Prior E.C for approval of Baghwad River Sand Quarry in Lease Area -16.00 ha.Capacity 1,50,000 cum/year at Khasra No.-192/1, 136, Vill.-Baghwad, Teh.-Timarani, District-Harda (MP)

This is case of Baghwad River Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, at Khasra No.-192/1, 136, Vill.-Baghwad, Teh.-Timarani, District-Harda (MP) 16.00 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 1000 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no.-13338, dated: 29/09/15, has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

SEIAA vide letter no.-5337 dated: 25/02/2017 forwarded this case stating that “The case was discussed in 398th meeting dtd. 02.01.2017 and it was recorded that: - The case was recommended in 61st SEAC-II meeting dated. 25.11.2016 and it was recorded that.... *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 56th SEAC-II meeting dated-08/11/16. Thus Committee decided that since sufficient opportunities have been given to the PP for appraisal and consideration of the project wherein PP remain absent in the 56th and 61st SEAC meetings, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.*

PP has submitted an application dated 28.01.2017 showing his interest in presentation of his case before SEAC-II. Therefore it has been decided to relist the case & send the file to SEAC-II for appraisal.

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 for delisting assuming that PP is not interested to continue with the project.

(Dr.Mohd. Akram Khan, Member)

(Mohd. Kasam Khan, Member)

(R. K. Sharma, Member)

(A.K. Sharma, Member)

(Dr.Sonal Mehat, 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.