

The 76th meeting of the Second State Expert Appraisal Committee (SEAC-II) for mining projects was held on 23rd May, 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. Shri. Mohd. Kasam khan, Member.
2. Shri Anil Kumar Sharma, Member.
3. Shri Rajendra Kumar Sharma, Member.
4. 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. 1723/13 M/s ACC Limited, Kymore Cement Works, P. O. Kymore, Dist. Katni Prior Environmental Clearance for Badari Lime Stone Mine of 1.093 hectare (60,000 TPA) in village Badari Tehsil Vijayraghvarh Distt. Katni (M. P.) (EIA Consultant: M/s C.E.S., Bhopal)**

This is a case of captive mining for a Cement industry. The mining lease area is 1.093 Ha and the production capacity proposed is 60, 000 MT/Year. The case falls under purview of EIA notification as per the guidelines of SEIAA.

Earlier the case was presented by the PP and his consultant in the 142nd SEAC meeting dated-11/09/2013. During deliberations PP has requested that the proposed mine is located in close vicinity of other bigger mines already operating with due EC and other relevant permissions hence Public Hearing may be exempted in this case. Also it was requested that the available environmental data may be allowed for use in the EIA.

After deliebrations committee has apporved the proposed TOR with inclusion of following points:

1. Composite EIA shall be carried out and cummulative impacts along with the cummulative EMP shall be submitted.
2. Available baseline data can be used in the EIA but data should not be older than 02 years. All data used has to be validated by apporved Laboratory.
3. Committee has decided to visit the site through sub-committee and views regarding exemption of Public Hearing shall be provided only after the visit.
4. Complainces of terms and conditions of the consents have to be submitted after due validation from MPPCB.

Later on this case was again considered in the 183rd SEAC meeting dated 27/04/2015 wherein it is recorded that this case was considered in the 142nd SEAC meeting and TOR was approved for the project to carry out EIA / EMP. The case was delisted by SEIAA in light of Moe Notification dated 09/09/2013. Again the case has been re-listed by the SEIAA; hence TOR if not issued earlier may be released by SEAC. The TOR was issued to the PP vide letter no. 424 dated 15/06/2015.

PP has submitted the EIA report vide their letter dated 05/04/2017 which was forwarded by the SEIAA vide letter no. 206/SEIAA/17 dated 10/04/2017. which was placed before committee in 74th SEAC-II meeting dated-03/05/2017 wherein it was 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 vide letter dated 02/05/2017 requested to give another chance for presentation as his EIA consultant and his team is unable to attend the meeting due to some genuine reason. Committee accepts the request of the PP and decided to call the PP in subsequent meetings of SEAC.

EIA was presented today by the PP and his consultant during presentation following details were presented by the PP:

Project Description

This is a project for open cast method of mining of Limestone and the estimated project cost is 53.11 Lakh. The ML was transferred in favour of M/s ACC Ltd. agreement has been signed in Form O. the validity of the lease shall be up to 31/10/2040

Size of the Project

The total Mine Lease areas considered is 1.093 ha. The production is Limestone 60000 MTPA.

Anticipated Life of Project and Cost of the Project

The life of the mine is anticipated at approx. 7.5 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. 53.11 Lakh

LOCATION

The method of excavation is open cast, Mechanized method. The subject lease area is located at 24⁰02'09.02" to 24⁰02'12.84" N latitude and 80⁰34'33.74" N to 80⁰34'30.93" E longitude and covered under Top sheet No 63D/12 is Private Land. The District headquarter Katni is about 30km. Area can be approached by Katni-Maher State highway 3.0 km from Katni and other parts of district.

Details of the project:

Village	Badari
Tehsil	Vijayraghavgarh
District	Katni
Area	1.093 ha
Land status	Pvt. Land.
Lease Period	31/10/2010 to 30/10/2040
Minerals	Limestone
Khasra no.	old Khasra No. 415, 416/3K, 416/1K (new Khasra No. 18P and 83)
Nearest City	Katni- 30 km
Nearest Highway	NH7- 18 km
Nearest Village	Badari – 1.2 km in SW
Nearest Railway Station	Jhukehi- 20 km in NW
Nearest Airport	Jabalpur – 132 .0 km
National Park/ Heritage site	None in 10 km radius
Ecological Sensitive Zone	None in 10 km radius
Nearest Forest	No forest in 250m
Latitude	24 ⁰ 02'09.02" to 24 ⁰ 02'12.84" N

Longitude	80°34'33.74"N to 80°34'30.93"E
highest elevation	383 m
Lowest Elevation	382 m
Water requirement	7 kld
Source of water	mine pit water
Man power requirement	20 Nos.
Total Available Reserve	447863 (Limestone)
Life of Mine	7.5 years

Water requirement

S. No.	Head	Quantity
1.	Dust suppression	5.0 kld
2.	Green belt	1.0 kld
3.	Domestic	1.0 kld
	Total	7.0 kld

Mining

The method of mining will be open cost fully mechanized.

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

During presentation it was submitted by the PP that it's a captive limestone mine and mineral is used in their Cement Plant Namely ACC Ltd., Kymeore cement works, Dist. Katni. It was further submitted by the PP that at the end of conceptual period an area of 0.95 ha will be developed as water reservoir and 0.143 ha covered with plantation. Total 8303 cum soil will be generated and stacked in the lease area for using plantation purpose or backfilling. No OB will be generated in proposed mining. Proposed Plantation schedule is of 900 Nos. of Plants and species are Mango, Shisham, Karanj, Gulmohar, Neem, Avala & cassiasimea.

The above submissions of PP were found satisfactory and acceptable. 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 (if any) 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 of Lime Stone shall be as per the approved mining plan not exceeding 60,000 TPA.
9. Garland drain (1.5m X 1.0 mt.) should be properly maintained and to be cleaned for proper silt discharge.
10. As proposed, one settling tank (3mtX3mtX2mt) connected with garland drains shall be provided for proper sedimentation and same should be properly maintained and to

be cleaned for proper silt discharge. Protective bunds (7m X 2.5 m) on north and west side of the ML area should also be provided.

11. 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.
 12. 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.
 13. Regular water spraying system should be provided on 500 meter long and 05 meter wide haul road. However, regular water spraying should also be practiced on 500 meters long and 06 meters wide approach road for dust suppression.
 14. 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.
 15. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
 16. The commitments made in the public hearing are to be fulfilled by the PP.
 17. 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.
2. **Case No. - 5552/2017 M/s Bhagchand Sancheti, Nehru Chowk, Waraseoni, Dist. Balaghat, MP Prior Environment Clearance for Dolomite Mine in an area of 7.75Ha.. (52,000 ton per annum) (Khasra no. 32/1, 32/2, 29/1, 33/1, 31, 30/2, 29/2, 30/1, 29/3, 43/7, 35, 36, 37, 38, 39, 41/1, 41/2, 41/3, 42/1, 42/2) at Village- Dulhapur, Tehsil - Tirodi (Katangi), Dist. Balaghat (MP) (Consultant: M/s C.E.S., Bhopal)**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. 32/1, 32/2, 29/1, 33/1, 31, 30/2, 29/2, 30/1, 29/3, 43/7, 35, 36, 37, 38, 39, 41/1, 41/2, 41/3, 42/1, 42/2) at Village- Dulhapur, Tehsil - Tirodi (Katangi), Dist. Balaghat (MP) 7.75Ha. 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.-469, dated: 17/04/17, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 21.557 ha including this mine.

The case was presented by the PP and their consultant wherein PP submitted following details:

S. No.	Item	Details
1.	Mineral	Dolomite
2.	Type of mine	Open Cast Manual mine
3.	Capacity of Mine	52,000 MTPA
4.	Latitude	21 ⁰ 42'06.8" - 21 ⁰ 42'05.0"N
5.	Longitude	79 ⁰ 36'47.5" - 79 ⁰ 36'49.6"E
6.	Reserve available	812773 tonnes
7.	Life of mine	16 years.
8.	Water requirement	9 kld
9.	Source of water	Mine pit
10.	Blasting	Control Blasting will be done
11.	Mine waste	12209 cum
12.	Soil	13305 cum
13.	Plantation	plantation will be carried out in 2.5 ha area and the PP will plant 2500 Plants in the ML

During presentation it was observed that the lease is within the 250 meters of the forest area for which PP informed that they have obtained the permission of Commissioner Level Committee and committee in their meeting dated 14/07/2016 (copy of the minutes attached with the case file) has granted NOC. 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 'A':

1. Production of Dolomite as per mine plan with quantity not exceeding 52,000 TPA.
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. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

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. 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. Entire plantation should be carried out in the initial 2-3 years while maintenance and causality replacement be done in subsequent years.
 6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
 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. Garland drain (1.5m X 1.0 mt.) should be properly maintained and to be cleaned for proper silt discharge.
 11. As proposed, one settling tank (4mtX4mtX1.5mt) connected with garland drains shall be provided for proper sedimentation and same should be properly maintained and to be cleaned for proper silt discharge.
 12. 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.
 13. 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 approach road for dust suppression.
 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.
3. **Case No. - 5553/2017 Shri Shankar Lal Vishwakarma, R/o Jalpa Devi Ward, Gautam Lane, Katni, MP – 483501 Prior Environment Clearance for Bauxite Mine in an area of 4.79Ha. (7710 ton per annum) (Khasra no. 77, 78, 79) at Village- Imaliya, Tehsil - Murwara, Dist. Katni (MP) (Consultant: M/s C.E.S., Bhopal)**

This is case of Bauxite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. 77, 78, 79) at Village- Imaliya, Tehsil -Murwara, Dist. Katni (MP) 4.79Ha. 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.-4612, dated: 28/10/15, has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 24.89 ha including this mine.

The case was presented by the PP and their consultant wherein following details were provided by the PP:

Village	Imaliya
Tehsil	Murwara
District	Katni
Area	4.79 ha
Type of Mine	Open cast Manual
Land status	Pvt. Land.
Minerals	Bauxite
Khasra no.	77, 78, 79
Nearest City	Katni- 7 km
Nearest Highway	(NH-7) 4 km
Nearest Road	Katni – Niwar Road -60m
Nearest Village	Imaliya – 0.5 km
Nearest Railway Station	Madhav Nagar – 2.8 km
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	non within 250 meters
Latitude	23 ⁰ 47'1.2" to 23 ⁰ 46'58.67"
Longitude	80 ⁰ 22'49.08" to 80 ⁰ 22'51.10"
Water requirement	7 kld
Source of water	Mine pit water
Man power requirement	20 Nos.
Capacity of mine	7710 MTPA – Bauxite
Total Available Reserve	267135 tonne
Life of mine	35 years

It's being a case of major mineral, committee consider this case as B-1 category and recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Approved mining plan should be appended with the EIA report.
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. Hydro geological study should be carried out if ground water intersection is proposed.
10. Top soil management plan should be addressed in EIA report.
11. Input data of modeling should be addressed in EIA along with this all back up calculation.
12. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
13. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
14. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
15. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.
16. Since the mining site is in close proximity of city area hence atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.
17. PP would follow environmental extend rules.
18. Details of dewatering plan to be addressed in the EIA report as the mine site is filled with water, water discharge management plan to be discussed in EIA.
19. Site is in close proximity of village thus suitable protective measures to be discussed in the EIA report.

4. Case No. - 5554/2017 Shri Kishanchand Thadlani, 72, Shahpura, Katni, MP – 483501 Prior Environment Clearance for Limestone & Dolomite Mine in an area of 4.20 Ha. (21,473 ton per annum) (Khasra no. 252) at Village- Bhatgawan Sunhera, Tehsil -Murwara, Dist. Katni (MP) (Consultant: M/s C.E.S., Bhopal)

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra no. 252) at Village- Bhatgawan Sunhera, Tehsil - Murwara, Dist. Katni (MP) 4.20 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.-4612, dated: 28/10/15, has reported that there are 08 more mines operating or proposed within 500 meters around the said mine with total area of 63.15 ha including this mine.

The case was presented by the PP and their consultant wherein following details were provided by the PP:

Village	Bhatgawan Sunehar
Tehsil	Murwara
District	Katni
Area	4.20 ha
Type of Mine	Open cast Manual
Land status	Pvt. Land.
Lease Period	from 12/04/2002 to 11/04/2022
Minerals	Limestone & Dolomite
Khasra no.	252
Nearest City	Katni- 32 km
Nearest Highway	(NH-7) 14 km
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	non within 250 meters

Latitude	23 ⁰ 40'40.15" to 23 ⁰ 40'37.80"
Longitude	80 ⁰ 26'47.67" to 80 ⁰ 26'49.00"
Water requirement	7 kld
Source of water	Ground water
Man power requirement	40Nos.
Total Available Reserve	236451 tonne (Limestone and Dolomite)
Life of mine	11 years

It's being a case of major mineral, committee consider this case as B-1 category and recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Detailed evacuation plan with transport route, required infrastructure and man-power is to be discussed in the EIA report.
2. Approved mining plan to be submitted at the time of EIA Presentation.
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. Hydro geological study should be carried out if ground water intersection is proposed.
10. Top soil management plan should be addressed in EIA report.
11. Input data of modeling should be addressed in EIA along with this all back up calculation.
12. Onsite pictures of monitoring and survey along with date and time on photographs should be attached with the EIA report.
13. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA.
14. Ground water table data should be compared with data of Central Ground Water Board authorities nearest sampling point.
15. Water quality of all the villages within 10 k.m radius should be studied and result should be incorporated in final EIA report.

16. Since the mining site is in close proximity of city area hence atleast 08 stations should be selected for monitoring and results should be discussed in the EIA report.
17. PP would follow environmental extend rules.

5. Case No. 764/12 M/S Shobha Mineral 765, Napier Town, Jabalpur, M.P., PIN-482001. Environment Clearance for Dhamki Laterite, Manganese & Iron Ore, (production capacity expansion from 49375 to 80,000 TPA), lease area (3.60 Ha) M/s. Shobha Minerals at Village Dhamki, Tehsil – Sihora, Dist Jabalpur (M.P.) (EIA Consultant: M/s C.E.S., Bhopal)

This is a mining project in a lease area of 3.64 Ha. Capacity – 80,000 TPA for Laterite, Manganese & Iron Ore Mine at Khasra No.178, Village - Dhamki, Distt.- Jabalpur (M.P.) The project requires prior EC under the provisions of EIA notification. The case was forwarded by SEIAA for scoping so as determine TOR to carry out EIA and prepare EMP for the project.

Earlier this case was scheduled in 23rd SEAC-II meeting dated-06/05/2016 wherein it was recorded that: *The TOR was approved in the 119th SEAC meeting dated 02/02/2013 and the same was issued to the PP vide letter no. 452 dated 25/04/2013. The validity of TOR expired on 24/04/2015. PP vide their letter dated 16.09.15 has requested for TOR extension. As per MoEF&CC OM No. J-11011/41/2006-IA.II (I) (Part) dated 20/03/2015 the validity of TORs is extended up to three years which can further be extended by a maximum period of one year provided application is made by the PP at least 03 months before the expiry of the validity period. PP has submitted the application for the same on 16/09/2015. After deliberations, the committee recommends the case for extension in TOR for one year with validity up to 23/04/17 as per MoEF&CC OM No. J-11011/41/2006-IA.II (I) (Part) dated 20/03/2015.*

PP has submitted EIA vide letter dated-19/04/2017 which was forwarded by the SEIAA vide letter no.-297, dated-24/04/2017 which was placed before committee.

The case was presented by the PP and their consultant wherein following details are submitted by the PP:

Location	Dhamki, Tehsil- Sihora Dist Jabalpur (MP)
Latitude	23 ⁰ 21'43.2" To 23 ⁰ 21'49.3" North
Longitude	80 ⁰ 02'24.9" To 80 ⁰ 02'33.6" East
General ground level	386m

Nearest National/state Highway	NH-7	- 0.9km – W
Nearest Railway Station	Gosalpur	- 2.5 km – NNE
Nearest Airport	Jabalpur	- 28.0 km
Nearest Tourist Place within 10km radius.	None	
Archaeological Important Place within 10km radius.	None	
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	None	
Reserved / Protected Forest within 10km radius	Borha RF	- 5.0km - SE
Nearest Town / City within 10km radius	Sihora	- 14.0km
Nearest Village	Dhamki	- 0.20 km - N
Nearest River	Karthal Nadi	- 0.75km - SSW
	Heran River	- 5.0km - NNW
	Karihar Nadi	- 6.25km - SW
Nearest Nalla/water reservoir	Burhagar Tank	- 1.5 km - W
	Local Nalla	- 0.1 km - SSW
	Barne Reservoir	- 5.15 km - SE
	Village Pond	- 0.04km - N
Nearest Hill Ranges	No	
Other mines within 1km radius	6 mines	
Industry within 10km radius	M/s SVC Resources Pvt. Ltd. M/s Rajeev Chhadha,	
Surrounding features within 500m radius	N- Pond & Dhamki village NE - Agricultural land E – Waste Land followed by agricultural land SE- village road, Waste land followed by agricultural land S- Village road followed by Agricultural land SW- Waste land followed by village road and habitation	

	W – waste land followed by other mine NW – Other mines
Sensitive receptor	Six another operational quarries within 2km radius and two operational beneficiation plant Proximity of Two habitations i.e. Dhamki and labour tola Proximity of transport road

It was reported by the PP that

- The fresh lease was granted for period of 20 years from 29.08.1992 to 28.08.2012 and further renewed for 20year upto 28.08.2032.
- The lease area comes under govt. waste land.
- Six other lease area are located within 500m radius.
- The scheme of mining with progressive mine closure plan has been approved by IBM, Nagpur.

Salient feature of the lease area

Particulars	Details
Type of Mine	Open Cast /OTFM
Mining Lease Area	3.60 Ha
Mineable Area	3.60 Ha
Existing Pits & Quarries	1.2125 ha
Existing sub-grade Dumps	1.2761 ha
Infrastructure and road	0.0478 ha
Mineral Storage	Nil
Plantation	0.2 ha
Barren Land	0.9701 ha
Recoverable Reserve	897431tonnes
Ultimate Depth of Mining	17m bgl (365mRL)
Ultimate Pit Slope	45 ^o
Expected Life of Mines	11 years
Lease Period	20 year upto 2032
Stripping Ratio	1:0.028 -1:0.19
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	nil
Area covered under pit in conceptual period	3.1648 ha
Area to be reclaimed by conceptual period	2.2387 ha
Area to be covered under plantation by conceptual period	1.8387 ha

Area to covered under water reservoir	1.32 ha
Average m MSL	386m
Ground water table	
Monsoon period	24m bgl (358m AMSL)
Dry month	32m bgl (350m AMSL)
Production per day	286T
Dumper required per day with capacity	12 trip & 24T

GEOLOGY OF THE MINE

The lease area is occupied by laterite with residual iron rich laterite as lateritic iron and this lateritic iron considered as iron ore. This laterite capping is resting over the phyllites and these phyllites bands are having manganese ore pebbles and manganiferous pebbles (the manganese ore is having high percentage of iron and keeping the present use in industry this manganiferous pebbles are considered as manganese ore) and iron ore. The present excavation is in the form of three pits for 2-20m depth, and cross section shows the capping of Laterite with residual iron rich Laterite/ lateritic iron ore as iron ore for average thickness of 8-10m and at central to southern part it is resting over the manganese ore/iron ore mineralization within Phyllites.

BLOCK A

Laterally the entire lease area is having Laterite with residual iron rich Laterite/ lateritic iron ore as iron ore capping for average 8-10m thickness or RL wise it is from 390m to 375m.

BLOCK B

This block is considered depth wise below to Laterite capping from central to southern part of the lease area. So far Mn ore and Iron ore mineralization is found in the form of pebbles within the weathered phyllitic formation. The lateritic manganiferous pebbles are having high manganese content and well acceptable in the industry as manganese ore hence it is considered as manganese ore

Details of existing pits

Details of Existing Pits				
Pit/Working pit	Size in ha	Depth in m	Surface RL-m	Bottom RL-m
Pit-1	1.10ha	5-20	385-382	365
Pit-2	0.025	7-8	390-389	382
Pit -3	0.0875	2-3	385-382	379

Mining Method

- Existing mining operations were carried out by opencast other than fully mechanized method with using hand tools such as chisel, hammer, crowbar and spades etc and deployment of heavy earth moving machineries for excavation, loading & transportation. Two to three production benches of 5-7m height have developed. Total excavated area is 1.2125 ha consisting total three numbers of quarries.
- Proposed mining operations such as development, drilling, winging of ore, loading and transport etc. will be carried out by opencast other than fully mechanized method with deployment of JCB, excavator cum loader shovel, Loader etc. occasional drilling and blasting will be done for heaving purpose in the lease area. Haul road has been extended to every working bench and to the floor of the quarry.
- Haulage roads 7-8m wide will be a developed from east to west of the proposal and at required places, it will be laid at maximum 1: 16 gradient from surface stack yard RL of 385m to pit bottom at 365mrl with in bye roads to faces of individual benches.

Existing and proposed land use plan

Items	Existing	Conceptual period
Total lease area	3.60ha	
Ultimate depth of mining	17mbgl	17m bgl
Ultimate pit slope	45 degree	45 degree
Area under sub-grade dumps	1.2761ha	Nil
Area under pits	1.2125ha	3.1648ha
Infrastructure & Road	0.028 ha	Nil
Plantation (other than dump, backfilled, bench)	0.20 ha	0.20ha
Sub total	2.7166ha	3.3648ha
Un-worked area	0.8834ha	0.2352ha
Total	3.60ha	3.60ha
Water body	0.5 ha	1.32 ha
Area to be reclaimed	0.09ha	1.5387ha
Plantation details		
Un-worked area	0.20 ha (200no.)	0.20 (200 no.)
Backfilled area	-	1.5387ha (2250no.)
Bench of pit	-	0.30ha (450 no.)
Dump	-	0.20ha (300 no.)
Total plantation area	0.20ha (200 no.)	2.2387ha (3200 no.)

The above submissions of PP were found satisfactory and acceptable. 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 (if any) 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 of Laterite, Manganese & Iron Ore shall be as per the approved mining plan not exceeding 80,000 TPA.
9. Garland drain (1556m X.25m X 0.50 mt.) should be properly maintained and to be cleaned for proper silt discharge.
10. As proposed, 10 settling tank of suitable sizes connected with garland drains shall be provided for proper sedimentation and same should be properly maintained and to be cleaned for proper silt discharge.
11. 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.
12. 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.
13. Regular water spraying system should be provided on 800 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 1500 meters long and 06 meters wide approach road for dust suppression.
14. 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.
15. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
16. The commitments made in the public hearing are to be fulfilled by the PP.

17. 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.
6. **Case No. 5543/17 M/s Prathvi Infrastructure Pvt. Ltd, 18, Udyog Nagar, Newawar Road, Indore, MP – 452002 Prior Environment Clearance for Stone Quarry in an area of 20.0 Ha.. (1,00,000 cum per annum) (Khasra no. 62/1/1) at Village- Rangwasa, Tehsil - Depalpur, Dist. Indore (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra no. 62/1/1) at Village- Rangwasa, Tehsil - Depalpur, Dist. Indore (MP) 20.0 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 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.-401, dated: 23/03/17, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 23.00 ha including this mine.

Earlier this case was scheduled in 75th SEAC-II meeting dated-04/05/2017 wherein it was 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. 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.*

The case was presented by the PP and their consultant. After presentation the committee decided that since concerned Mining Officer vide letter no.-401, dated: 23/03/17, has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 23.00 ha including this mine. PP should submit a comprehensive EMP through QCI/NABET **accredited** consultant addressing following issues:-

1. EMP with one month data for Air, Water and Noise monitoring.
2. EMP should also address the protective measures proposed for the two villages existing on the both sides of the lease from air pollution and mine water discharge (if any).
3. Inventory of existing trees with their number and species on the lease and detailed plan if any existing tree is to be uprooted for the mining.
4. Details of plantation scheme to be submitted by the PP.
5. Management and disposal plan of OB.
6. Surface plan clearly showing the area left due to roads as per MMR, 1996 and location and size of settling tanks and garland drains.

7. Management of mine water discharge.
8. Transportation and evacuation plan of minerals considering production volume of all the mines within 500 meters radius.”
9. Other mining activities were seems in the nearby area but Mining Officer vide letter dated 23/03/2017 has indicated only 02 more mines within 500 mts of this lease. PP was asked to submit revised letter of concerned Mining Officer according to MoEF&CC Notification dated 15/01/2016.

7. **Case No. 5544/17 M/s Sidhant Minerals, Tikuriya Mohalla, Near Madiya Talab, Dist. Panna, MP – 488001 Prior Environment Clearance for Stone Quarry in an area of 7.45 Ha.. (50,411 cum per annum) (Khasra no. 313) at Village- Bansarai, Tehsil - Rajnagar, Dist. Chhatarpur (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. 313) at Village- Bansarai, Tehsil - Rajnagar, Dist. Chhatarpur (MP) 7.45 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. 563 dated: 06/03/2017 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 14.75ha including this mine.

Earlier this case was scheduled in 75th SEAC-II meeting dated-04/05/2017 wherein it was 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. Committee decided to call the PP in subsequent meetings and even it the PP remains absent, the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein as per the Google image it was observed that site is on the hillock with very high gradient. The mining is proposed from east to north and evacuation road is proposed from the southern end of the lease. The committee after discussion suggested that considering the high gradient, bench width should be minimum 06 meters. A tar village road is also passing from the south eastern side of the lease which is approx 40 meters away from the lease area thus PP was asked to leave setback of 10 meters on the south eastern side of the lease excluding 7.5 meters mandatory buffer zone. The EMS and other submissions submitted by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

- Production of Stone as per mine plan with quantity not exceeding 50,411 cum/year.
- A tar road is approx 40 meters away from the QL area thus a setback of 10 meters be left in the QL area excluding the 7.5 meters mandatory buffer zone as non mining area.

8. **Case No.-5436/2016 Shri Madam Singh S/o Shri Bheem Singh, Vill. Karadiya, Teh. Alote, Dist. Ratlam, MP – 457118. Prior Environment Clearance for River Sand Deposit Quarry in an area of 12.00 ha. (1800 cum per annum) (Khasra no. 01) at Village- Kalakhedi, Tehsil - Alote, Dist. Ratlam (MP)**

This is case of River Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 01) at Village- Kalakhedi, Tehsil - Alote, Dist. Ratlam (MP) 12.00 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 vide letter no. 385 dated: 24/06/16 has reported that there is no more mine operating or proposed within 1000 meters around the said mine.

Earlier this case was scheduled in 74th SEAC-II meeting dated-03/05/2017 wherein it was recorded that: *SEIAA in their 398th meeting dated 02/01/2017 has delisted the case and again relisted the case as per the decision taken in the 415th meeting dated 09/03/2017 and forwarded the file to SEAC for appraisal vide letter no. 5704/SEIAA/17 dated 28/03/2017.*

The case was scheduled again in 74th SEAC-II meeting dated 03/05/2017 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 71st SEAC-II meeting dated-10/04/2017. 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 presented by the PP and their consultant wherein it was observed that the Project Proponent vide letter dated 09/01/2017 has submitted revised Mining Officer certificate issued vide letter no.-1141, dated-22/12/2016 in which it is reported that there is no more mines within 500 meters around the said mine. During presentation it was observed as per the Google image of December, 2015 based on the co-ordinates provided by the PP that most parts of the lease area is submerged in water and whatever area seen dry is appears to be rocky in nature. Moreover there is a stop dam within the lease area and PP was asked to leave 100 mts from both the sides of the dam. PP submitted that sand is available as water dries up

from the January every year and after January and February sand is available for evacuation. Hence after discussion PP was asked to submit the recent photograph of the lease area showing the availability of the sand in the lease area for further consideration of this project.

9. **Case No. - 5559/2017 M/s G Sitaram Rathi & Company, Alka Talkies K Pass, Nehru Ward, Pipariya, Dist. Hoshangabad, MP Prior Environment Clearance for Sand Deposit quarry in an area of 5.70 Ha. (23,500 cum per annum) (Khasra no. 1357) at Village- Bhonti, Tehsil -Pichore, Dist. Shivpuri (MP)**

This is case of Sand Deposit quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (Khasra no. 1357) at Village- Bhonti, Tehsil - Pichore, Dist. Shivpuri (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. 2311 dated: 12/07/2017 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 and during presentation it was observed that a canal is passing approx 200 meters away from the northern side of the lease and since the distance is 200 meters no deduction in minable area is required. However, on the southern side of the lease, a stop dam is in existence which is only 05 meters away and thus 100 meters area should be left from the dam in the lease as non mining area. As per the Google image of Dec-2016 based on the co-ordinates provided by PP that most part of the lease is submerged in water and thus demanded volume of sand cannot be evacuated considering the deduction due to dam and submergence. PP submitted that considering above submergence, a revised production plan has been prepared and as per the revised production plan 1.20 ha area is available for mining and as per the approved depth of 1.5 meter in mine plan 18,000 cum/year of sand can be evacuated. Committee after deliberation decided that since as per the revised production plan 1.20 ha area is available for mining, evacuation of 18,000 cum/year sand can be considered. 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 18,000 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.
 8. A stop dam is in existence which is only 05 meters away and thus 100 meters area should be left from the dam in the lease as non mining area.
10. **Case No. - 5560/2017 M/s G Sitaram Rathi & Company, Alka Talkies K Pass, Nehru Ward, Pipariya, Dist. Hoshangabad, MP Prior Environment Clearance for Sand Deposit quarry in an area of 9.920 Ha.. (49,600 cum per annum) (Khasra no. 1, 188, 190) at Village- Tindhari, Tehsil - Pichore, Dist. Shivpuri (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. 1, 188, 190) at Village- Tindhari, Tehsil - Pichore, Dist. Shivpuri (MP) 9.920 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. 2310 dated: 12/07/2017 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 and during presentation it was observed that a road bridge only 180 meters away is in existence in the southern side of the lease thus 20 meters area should be left from the road bridge in the lease as non mining area. As per the Google image of Dec-2016 based on the co-ordinates provided by PP that parts of the lease at many places is submerged in water and thus demanded volume of sand cannot be evacuated considering the deduction due to Road Bridge and submergence. PP submitted that considering above submergence and Road Bridge, a revised production plan has been prepared and as per the revised production plan 1.80 ha area is available for mining

and as per the approved depth of 1.5 meter in mine plan 27,000 cum/year of sand can be evacuated. Committee after deliberation decided that since as per the revised production plan 1.80 ha area is available for mining, evacuation of 27,000 cum/year sand can be considered. 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 27,000 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.
 8. A road bridge is in existence which is only 180 meters away and thus 20 meters area should be left from the bridge in the lease as non mining area.
11. **Case No. 3536/15 Shri Ajay Pal Singh, M/s Kartikey Construction, Sub Lessee, M.P. State Mining Corporation Ltd., Itwara, Hoshangabad (MP) Prior E.C for approval of Sand Quarry in an area of 10.00 ha. (1,75,000 cum/year) at Khasra No.-126, Vill.-Raipur, Teh.-Hoshangabad, District- Hoshangabad (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.-126, Vill.-Raipur,(III) Teh.-Hoshangabad, District- Hoshangabad (MP)10.00 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.

Earlier this case was scheduled in 54th SEAC-II meeting dated-14/10/2016 wherein it was recorded that: The case was earlier discussed in the 243rd SEAC meeting dated: 07/12/2015 wherein it was observed. Executive Director, M.P. State Mining Corporation Ltd., Bhopal vide letter No. Ret-2/2015-16/450 Bhopal dated 08/09/2015 has submitted a list of cluster of mines existing in the state for issuance of TOR which was forwarded by SEIAA vide letter no 5774/ SEIAA/15 Bhopal dated 26.09/15 for consideration as per EIA notification. As per the list 54 mines are in the cluster and total Area-731.791 ha including this mine. All the mines of above cluster after their individual valid application in SEIAA & presentation in SEAC for TOR can conduct regional EIA but their EMP should be site specific and will be considered on case to case basis.

Being it's 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 TOR:-

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. Photographs of individual mine during EIA process with date.
6. Justify the production from each mine and also justify the duration when mining is possible.
7. If on the evacuation route there are human settlements justify how they will be protected or suggest alternate evacuation route.
8. Show on a map, where temporary storage facility of sand will be created along with environmental protection measures proposed for such storage facility.
9. Discuss and assess impacts of sand mining on pisciculture.
10. Discuss and assess impacts of sand mining on agricultural practices (such as growing of water melons etc) if taking place in the cluster area.

11. Discuss the measures that will be adopted for the bank erosion.
12. 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.
13. Provide the historical data of last 05 years about the sand already evacuated and the replenishment capacity of individual mine lease.
14. A habitation is in close vicinity and possible impacts & mitigation measures be addressed in EIA.

As per the above, the TOR was issued to the PP vide letter no. 188 date: 28/1/2016.

MP State Mining Corporation Limited, Bhopal vide their letter no.397 dated 09/08/2016 has also informed that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no.453 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. F4-1/2010/12/01 dated 22/09/2010 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

SEIAA vide letter no. 3173/SEIAA/16 dated 16/08/2016 and 3240/SEIAA/16 dated 26/08/2016 has also instructed to appraise such cases on priority as per GOI, MoEF&CC notification dated 01/07/2016 and thus committee decided that as per the above instructions of SEIAA, all such cases should be appraised on the priority on the basis the lease documents available in the file/representation submitted by the PP.

Case was presented by PP and their consultant. During presentation, it was observed that a representation vide letter dated 06/09/2016 is submitted which was forwarded by SEIAA vide letter no. 3843/SEIAA/16 dated 3/10/2016 along with Replenishment Plan. As per the representation, revised certificate is issued by the Conservator Forest, Hoshangabad, M.P., stating that Ratapani Abhayaran is at a distance of 9.20 kms (a Notified PA) from Khasra No. 126. Earlier TOR was issued to for this case on the basis of certificate issued by DFO, Hoshangabad, issued vide letter no. 3881 dated 15/04/2015 stating that no notified PA within 10 kms radius. Committee after deliberations decided that since revised certificate is

issued by Conservator Forest, Hoshangabad, clearance from NBWL is therefore needed and thus PP was asked to apply online for NBWL clearance and a copy of the application may be submitted to SEAC for further appraisal of the project. During presentation PP has informed that they have applied online for NBWL clearance and submitted a copy of the same. On perusal of the document submitted by PP during presentation, it was observed by the committee that PP has submitted online application for wild life clearance with proposal no. FP/MP/MIN/1056/2016 and date of submission is 09/10/2016 and thus the case was considered for presentation. PP has also submitted the replenishment plan duly approved by the competent authority which was forwarded by SEIAA vide letter no. 3843/SEIAA/16 dated 03/10/2016. After presentation it was observed that 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 1,75,000 cum/year.
2. 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.
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.
8. The grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP.

SEIAA sent this case file back to SEAC vide letter No.339 dated 04/05/2017 stating that “PP has submitted a letter on 22/04/2017 mentioning about deleting the specific condition imposed by SEIAA for wild life clearance from NBWL. After detail discussions it was decided to revert the case to SEAC-II for clarification”, which was placed before the committee.

On perusal of the case file committee observed that earlier this case was recommended for EC in the 54th SEAC-II meeting dated-14/10/2016 wherein it is mentioned that as per revised certificate issued by the Conservator Forest, Hoshangabad, M.P., Ratapani Abhayaran is at a distance of 9.20 kms (a Notified PA) from Khasra No. 126 and thus NBWL clearance is required. Since PP has submitted online application for wild life clearance with proposal no. FP/MP/MIN/1056/2016 with date of submission 09/10/2016 the case was recommended for EC with a condition that “The grant of Environmental Clearance should be subject to necessary Wild Life Clearance from NBWL to be obtained by PP”. Now PP has submitted revised certificate issued by DFO (letter no. 820 dated 19/04/2017) stating that Ratapani Abhayaran is 10.730 meters away and the same is also communicated by District Mining Officer vide letter No. 451 dated 21/04/2017. Committee after deliberation recommends that since the revised certificate is issued by the DFO and District Mining Officer stating that the lease is >10.00 kms away from the Ratapani Abhayaran, the condition stipulated for “Wild Life Clearance from NBWL”, in the minutes of 54th SEAC-II meeting dated-14/10/2016 can be deleted as per the request of PP based on revised certificate issued by the DFO vide letter no. letter no. 820 dated 19/04/2017.

(Mohd. Kasam Khan, Member)

(Anil Kumar Sharma, Member)

(Rajendra Kumar Sharma, 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.