

The 377th meeting of the State Expert Appraisal Committee (SEAC) was held on 02nd July, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

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

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

1. **Case No. - 5597/2017 M/s A.P.Trivedi Sons, Main Road, Balaghat, MP – 481001 (SIA/MP/MIN/19211/17) Prior Environment Clearance for Manganese Ore Mine in an area of 4.30 Ha.. (4386 MTPA) (Khasra no. 468B) at Village- Ramrama, Tehsil - Waraseoni, Dist. Balaghat (MP).**

This is case of **Manganese Ore Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at **Khasra no. 468B, at Village- Ramrama, Tehsil - Waraseoni, Dist. Balaghat (MP) 4.30 Ha.** The project requires prior EC before commencement of any activity at site.

PP has submitted ToR application forwarded by the SEIAA vide letter no. 1140 dated 15/11/2017.

DFO vide letter no. 5270 dated 13.06.2017 infirmed that Parcel no. 468 of Waraseoni Forest Zone exists within 250 meter radius of the mining lease area. The case for issuance of TOR was presented by the PP and their consultant wherein following details were submitted by the PP:

Environment setting

Particulars	Details
Locations	Ramrama, Tehsil- Waraseoni, Balaghat (MP)
Toposheet No.	54O/13
Latitude	21 ^o 51'18.2 to 21 ^o 51'32.60" N
Longitude	79 ^o 56'21.10" to 79 ^o 56'24.8" E
General ground level	339m MSL
Elevation range	Highest-353m MSL lowest- 325m MSL
Temperature	Min: 8.5 ^o C and Max: 47.5 ^o C

Nearest Highway	Katangi- Waraseoni SH - 7.0
Nearest Railway Station	Chote Kochevahi – 7.75 km
Nearest Airport	Nagpur – 172 km
National park/Wild Life Sanctuaries within 10km radius	None
Reserved / Protected Forest within 10km radius	G. F. Sonewani RF
Surrounding village within 1 km area of the project.	Penditola - 0.90km – NW
Nearest River	Sarathi River 8.50km - N
Nearest Lake/ Ponds	Katngajhari Canal -2.50km -SE Chapa Tank -1.25 - WSW Katangjhari Tank -1.75km -SE Kas Nalla - 3.25km - WSW Dhokriya Nalla - 5.0 km - WSW Tondiya Nalla - 7.25 km - ESE Sarathi Tank - 8.75 km - NNE Mahadeo Nalla - 0.50km - WSW
Nearest Hill Ranges	None within 10 km radius
Source of Water for mine	Hand pump, Mine pit
Other mines located within 10km radius	8 mines 1. Pacific Export, Netra 2. J. K. Minerals, G. F. Sonewani 3. J. K. Minerals, Katangjhari - I 4. J. K. Minerals, Katagjhari -II 5. Vijay Khandelwal, Botejhari 6. Sandesh Developers, Kamthi 7. AP Trivedi Sons – 43.086ha 8 . AP Trivedi Sons – 2.452ha
Industry located within 10km radius	None
Surrounded by	North- Other mines of same lessee followed by forest land West – Mahadeo Nalla followed by other mine of same lessee South- Forest land East- G. F. Sonewani Forest

It was reported by the PP that

- The lease area comes under forest land and lessee has already obtained first stage forest clearance and submitted the copy of minutes of REC dated 10/01/2017.
- Two 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	Opencast
Mining Lease Area	4.30 ha
Existing Pits & Quarries	0.33ha
Existing Dumps	3.97ha

Infrastructure and road	Nil
Mineral Storage	Nil
Plantation	-
Water body	Nil
Existing backfilled area	Nil
Mineable Reserve	19671.00 tonnes
Existing depth of mining	10m bgl (332m MSL)
Ultimate depth of mining	10m bgl (332m MSL)
Method of mining	OTFM
Ultimate Pit Slope	45°
Proposed capacity of mines	4386 tonnes per annum
Expected Life of Mines	7 years
Lease Period	50 year
Thickness of soil/OB	
Minimum	0.0 m
Maximum	4.0 m
Stripping Ratio	1:4.2
Mode to transportation of Manganese ore	Road
Production per day (MT)	18 TPD
Dumper per day with capacity	1 trip per day
Area to be covered under dumps at the end of conceptual period	3.97ha
Area covered under pit	0.33ha
Area to be reclaimed by lease period end	Nil
Area to be covered under plantation by lease period end	3.97ha
Area to be covered under water reservoir by lease period end	Nil
Average MSL	353-325m MSL
Ground water table	
Monsoon period	15m bgl (310m MSL)
Dry month	20m bgl (305m MSL)

Summarised of geological reserves and mineable reserves	
Area under G2 category = 68m ² * 1.5m	136.00m ³
90% volume of Mn ore in 136 * 0.90	122.00 m ³
Total 332 in T 122 * 3.5	427.00T
Less ore blocked in 7.5m mining limit 222 -12m ² * 2 * 0.90 * 3.5	76.00T
Less ore blocked in ultimate pit slope	Nil
Total 122 (probable reserves) = 427- 76	351.00T
Area under G3 (sub grade dump) 1400m ² * 2.0m	2800.00 m ³
90 % recovery	2520.00m ³
Total 333 in T	8820.00T
Old dump = 3.22ha x 2.0m thickness	64400.00 m ³
Recovery from old dump = 64400x 0.10	19320.00 m ³

Total mineable reserves = 19320+ 351	19671.00T
Production during SOM period	11207.00 T
Balance reserves = 19671-11207	8464.00 T
Production capacity	4386.00 TPA
Mine life = balance reserves/production + 5 = 8464/4386+5 = 1.93+5	6.93 says 7 years

Post land use plan

S. No.	Heads	At Present Ha.	At the end of SOM period - Ha	At the end of conceptual period-Ha
1	Area Under Mining	0.33	0.33	0.33
2	Storage of Top Soil	-	Nil	Nil
3	Overburden Dump (S)	3.97	3.97	3.97
4	Mineral Storage	Nil	Nil	Nil
5	Infrastructure (Workshop, Admin Block Etc.)	Nil	Nil	Nil
6	Water reservoir	Nil	Nil	Nil
7	Greenbelt	Nil	1.50	3.97
8	Backfilled area	Nil	Nil	Nil
9	Tailing Pond(S)	Nil	Nil	Nil
10	Effluent Treatment Plant.	Nil	Nil	Nil
11	Mineral Separation Plant	Nil	Nil	Nil
12	Township	Nil	Nil	Nil
13	Others To Specify (Retaining Wall, Settling Tank & Garland Drain)	Nil	Nil	Nil

Mining Method

- There is one pit i.e. 0.33ha has been observed in lease area and one dump has also observed in lease area which is covered about 3.97ha area with height of 7.0m
- About 3.22ha dump area, out of 3.97ha is considered for waste dump with Mn ore while rest area 0.75ha is considered for only waste of weathered Mica schist/and siliceous material.
- Only dump ore working will be carried out during SOM period upto 2.0m depth
- Proposed mining will be carried out by opencast OTFM of mining using 3DX, excavator, etc.
- The mining operations are proposed from the southern end and will progress towards North.
- Only one development cum production face of 2.0m height is proposed. The face will advance in North direction.
- The mining floor will be maintained at MSL 343-339m.

During presentation in 300th SEAC meeting dated 08/12/2017, PP informed that the lease area is quite old and worked earlier. This is the forest area which has been used earlier for dumping. The entire area is covered by old dump and part of the area has sub grade of Mn ore. Due to change in threshold values of Mn ore, the earlier low grade Mn ore as waste is considered saleable and therefore has been taken under mineral working.

The subject excavation is part of pit number 1 of M/s A P Trivedi Sons, Ramrama Mn Mines of 43.086 ha. The applied area is contiguous to working mines of same applicant and working pits is contiguous within the applied area hence partial exposed Mn ore in pit. It is reported that there is one pit i.e. 0.33ha has been observed in lease area and one dump has also observed in lease area which is covered about 3.97ha area with height of 7.0m out of 3.97ha, about 3.22ha dump area, is considered for waste dump recovery with Mn ore while rest area 0.75ha is considered for only waste of weathered Mica schist/and siliceous material. Only dump ore working will be carried out during SOM period up to 2.0m depth. The mining operations are proposed from the southern end and will progress towards North. Only one development cum production face of 2.0m height is proposed. The face will advance in North direction. The mining floor will be maintained at MSL 343-339. The proposed method is opencast mining and accordingly the mine plan has been approved.

Being it's 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. Cumulative impact should be studied as proposed site is surrounded by other mines.
2. Environmental Cost Benefit analysis should be carried out and submitted with the EIA report.
3. Environmental Policy of the company issued by the director with environmental management cell should be submitted with the EIA report.
4. Issue like storm water management plan, mine water discharge, safety barrier zone with the neighboring mines etc. should be properly addressed in the EIA.
5. Details of afforestation done till date with name and number of species and proposed plantation scheme should be provided in EIA with supporting photographs.
6. Proposed workers facilitate and workers welfare scheme should be discussed in the EIA report with financial allocations.
7. Inventory of operating / proposed mines within 2 Km around the said mine.
8. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.

9. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
10. Any alternate route avoiding the nearby habitations.
11. Land use plan should be plotted on the map.
12. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
13. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
14. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
15. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
16. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

PP has submitted the EIA report vide letter dated 15/05/2019 which was forwarded through SEIAA vide letter no. 1114 dated 12/06/2019

The case was presented by PP and their consultants presented following salient features of the project:

- The proposed area is in continuation with existing O/c and U/g mine (43.086 ha) of same proponent. The lease area contain one old dump covering 3.97 ha area having 19071 Tonne of reserve due to reduction in cut off grade. Therefore only dump working is proposed through sorting and breaking. No excavation, drilling or blasting is proposed for the subject proposal.
- For calculation of reserves, 0 to 2 m of mineral thickness is considered. As per the criteria for selection of method of mining, when deposits are not difficult to reach from the surface (depth, cliffs permitting side access), the opencast mining method is adopted for the mining. In present case, minerals are occurring at surface level, excavation of the mineral from the surface will not have difficulties. Thus opencast mining method for the excavation of subject mines is proposed. The mining operations will be mainly carried out by opencast OTFM method.

- Proposed mining will be carried out by open cast OTFM method of mining with the use of all essential machineries. Blasting and drilling will not be proposed in lease area. Mining will be commenced after carried out exploration from southern end of the proposed area. This allows free access to various facilities the applicant wants to utilize in the adjacent mine owned by PP
- PP obtained stage-I forest clearance from MoEF&CC, New Delhi, vide no. MPC030/2016-BHO/Part-I/411 dated 06.07.2018.

The brief about the project:

S. No.	Particular	Details
1	Name of the project & its location	for Ramrama Opencast Manganese ore mine (4.30ha) Forest Compartment No. 468 B Village- Ramrama Tehsil- Waraseoni Dist- Balaghat (MP)
2	Name of the Company, Address Tele No. & E-mail	M/s A. P. Trivedi Sons, Ward No. 20, Main Road, Balaghat (MP)
3	Latitude and Longitude of the project	21 ⁰ 51'18.2 to 21 ⁰ 51'32.60" N 79 ⁰ 56'21.10" to 79 ⁰ 56'24.8" E
4	If a Joint venture, the names & addresses of the JV partners including their share	NA
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc	New , area –4.30ha, Forest Land connectivity- Katangi- Waraseoni SH - 7.0KM
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	90 lakh
8	Employment generated/to be generated	17
9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion	NA
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	NA
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	03/PS-MS/MPPCB/SEAC/TOR (299)/2018 Bhopal dated 02.01.2018

14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	NA
16	Type of Mine: (Open cast/Underground/mixed):	Opencast
17	Capacity of the mine applied for	Manganese ore - 4386 T Per Year
18	ML Area i. As per block allotment ii. As per approved mine plan	4.30ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date 05.01.2014
20	Date of Board's approval:	NA
21	Date of Ground water clearance	NA
22	Date of mine closure approval	NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	given below
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	given below
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	

CSR

SN	Plan	Activity	Budgetary provisions (Rs in lakh)	
			Capital	Recurring
1.	Provision of infrastructure facility at school	Providing financial support to the village school for development of infrastructure at Ramrama, Marritola	2.00	1.00
2	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers	-	2.00

3	To carried out need base activity as per recommendation by gram panchyat	for maintenance of village road, drainage line, hand pump repairing etc	-	3.00
4	To provide drinking water facility at aganwadi center	Ramrama, Marritola	1.00	0.50
		Total	3.00	6.50

Project cost- 90 lakhs

CER fund as per notification @3% of total project cost = 90akh@0.03 = 2.70lakh

EMP budget

Total Cost (EMP + CSR+ plantation + Monitoring) amount in Lakh per annum		
Particular	Capital	Recurring
Budget for pipe line with sprinkler 500m within lease area running length @800/-	4.00	0.50
Budget for solar pump 5HP 100m head	2.00	
Sub Total	6.00	0.50
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45/- per plant	-	1.00
Plantation (Capital cost) within lease area 8000no @250/- per plant	20.00	
Sub Total	20.00	1.00
Roads repair and maintenance (1.00km X 7.50mW@2.0 lakh per Km)	-	2.00
Construction of transport road (1.0km X 7.50mW@9.0 lakh per Km)	9.00	-
Sub Total	9.00	2.00
Personal Protective Equipments (Mask, Gloves, Goggles) for 15workers@1500.00	0.23	0.23
Half yearly Medical Checkup facility, first aid and other welfare activities for 15 workers @ 1000.00	0.15	0.15
Fire fighting arrangement 6kg fire extinguisher @2no @ 2000/-, Caution board,	0.04	0.002
Sub Total	0.38	0.38
MSW Waste Management 04 no. dusts bin capacity @2kg each @1000.00	0.04	0.10
Sub Total	0.04	0.10
Environmental Monitoring cost	10.50	9.45
Sub Total	10.50	9.45
Total EMP cost	45.92	13.43

CSR cost	3.00	6.50
Sub Total	3.00	6.50
PH Issue		
Kitchen Shed at Mangal Bhawan	1.50	-
Deeping of pond	0.50	-
Building of primary School	3.00	-
Sub total	5.00	-
Grand Total	53.92	19.93

Percentage of EMP budget and profit/ Production per year =6303 cum per year

EMP cost = 1577000/6303= Rs 250.19 per cum

Plantation

ENVIRONMENT IMPACT & MANAGEMENT Ecology: Stage Wise Cumulative Plantation										
REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Unworked area		Outside dumps (backfill area)		Inside Dumps		Bench		Total	
	Area (Ha)	Tree	Area (Ha)	Tree	Area (Ha)	Tree	Area (Ha)	Tree s	Area (Ha)	No. of Trees
End of SOM period	1.50	3000	-	-	-	-	-	-	1.50	3000
SOM to mine life	2.47	5000	-	-	-	-	-	-	2.47	5000
Total	3.97	8000	-	-	-	-	-	-	3.97	8000

Time Bound Plantation Programme		
Year	Area (in sq mt)	Number of Plants
SOM	15000	3000
At CP	24700	5000
Total	39700	8000

Details of Existing plantation at adjacent area						
S. No.	Year	No. of trees planted	Name of Species	Area to be covered in ha	Rate of survival	Location

1	2009	500	Teak	0.5	71%	Near pit no. 1
2	2010	1000	Bamboo	1.0	67%	Hiver Pit
3	2011	800	Teak and Bamboo	0.8	70%	Dump area
4	2012	3000	Khmer & Eucalyptus	3.0	65%	Dump area
5	2013	3000	Neem, Teak, Suababool	3.5	68%	Near Magazine & R/Shaft
6	2014	2000	Neem, Teak, Suababool	2.0	77%	Beside of Penditola road
7	2015	3500	Bamboo, Khmer & Eucalyptus	3.5	77.71%	Beside of Penditola road

S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	Within lease area			
1 st	Saplings, with earth work and pesticides	3000	250/-	7,50,000/-
2 nd	Saplings, with earth work and pesticides	5000	250/-	12,50,000/-
	Total	8000		20,00,000/-

Proposed Plantation Detail			
	Description	Qty	Location
	Trees		
	Neem	1000	Along the lease Boundary in mine premises
	Bans	1000	
	Ornamental Trees		
	Amaltash	500	Along the lease Boundary in mine premises
	Gulmohar	500	Along the lease Boundary in mine premises
	Satparni	500	Along the lease Boundary in mine premises
	Karanj	500	Along the lease Boundary in mine premises
	Fruit Trees & Ornamental		
	Awala	200	In mine premises
	Mango	200	Along the lease Boundary in mine premises
	Jamun	200	Along the lease Boundary in mine premises
	Imly	400	Along the lease Boundary in mine premises
	Pipal	100	Along the lease Boundary in mine premises
	Bargad	100	Along the lease Boundary in mine premises
	Bael	50	Along the lease Boundary in mine premises

	Medicinal Trees		
	Drum Stick	2000	Along the lease Boundary in mine premises
	Commercial value Trees		
	Sisam (Sissoo)	500	Along the lease Boundary in mine premises
	Mahua	250	Along the lease Boundary in mine premises
	TOTAL	8000	

During presentation PP submitted that Stage-1 FC clearance is obtained vides letter no. 06-MPC 030/2016-BHO/Part-1/41 dated 06/07/2018. PP further submitted that it's a case of OB rehandling covering 3.97 ha area having 19,071 Tonne of reserve due to reduction in cut off grade. Therefore in this proposal only dump working is proposed through sorting and breaking. No excavation, drilling or blasting is proposed for the subject proposal. 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 for Prior Environment Clearance for Manganese Ore Mine in an area of 4.30 ha. (4386 MTPA) (Khasra no. 468B) at Village- Ramrama, Tehsil - Waraseoni, Dist. Balaghat (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed expansion shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. For dust suppression, regular sprinkling of water should be undertaken.
6. PP will obtain other necessary clearances/NOC from respective authorities.
7. The applicable condition of forest clearance shall be complied

(B) MINING OPERATIONAL PHASE

8. No intermediate stacking of soil is permitted and same shall be utilized for plantation.

9. No drilling and blasting shall be carried out as the proposal is for float ore mining through manual method of mining.
10. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for mining period 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. As proposed in the landscape plan & EMP a minimum of 8000 no's of trees will be planted in the area of 39700 in sq mt.
11. Transportation road shall be made pucca.
12. Transportation of material shall be done in covered vehicles.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. The existing and proposed land use plan of the mine is as follows:

S. No.	Heads	At Present Ha.	At the end of SOM period - Ha	At the end of conceptual period- Ha
1.	Area Under Mining	0.33	0.33	0.33
2.	Storage of Top Soil	-	nil	nil
3.	Overburden Dump (S)	3.97	3.97	3.97
4.	Mineral Storage	Nil	Nil	Nil
5.	Infrastructure (Workshop, Admin Block Etc.)	Nil	Nil	Nil
6.	Water reservoir	Nil	Nil	Nil
7.	Greenbelt	Nil	1.50	3.97
8.	Backfilled area	Nil	Nil	Nil
9.	Tailing Pond(S)	Nil	Nil	Nil

16. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.

17. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
18. The commitments made in the public hearing are to be fulfilled by the PP.
19. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
20. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

21. The proposed EMP cost is Rs. 53.92 Lakhs are proposed as capital expenses and Rs. 19.93 Lakhs/ year as recurring expenses.
22. Under CSR activity total Rs. 3.0 Lakhs will be spent as capital and @ Rs. 6.50 Lakhs /year is proposed as recurring for different activities.
23. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
24. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
25. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
26. PP will comply with all the commitments made vide letter dated 02.07.2019.
27. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

2. Case No. - 5598/2017 M/s A.P.Trivedi Sons, Main Road, Balaghat, MP – 481001 (SIA/MP/MIN/19209/17) Prior Environment Clearance for Manganese Ore Mine in an area of 2.452 Ha.. (888 MTPA) (Khasra No. 404, 408) at Village- Ramrama, Tehsil - Waraseoni, Dist. Balaghat (MP)

This is case of **Manganese Ore Mine**. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at (**Khasra No. 404, 408**), at **Village- Ramrama**,

Tehsil - Waraseoni, Dist. Balaghat (MP) 2.452 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted ToR application forwarded by the SEIAA vide letter no. 1142 dated 15/11/2017. PP vide letter dated 29.11.2017 has also submitted coordinates of all boundary pillars.

Environment setting

Particulars	Details
Locations	Ramrama, Tehsil- Waraseoni, Balaghat (MP)
Toposheet No.	54O/13
Latitude	21°51'32.3 to 21°51'38.0" N
Longitude	79°56'10.60" to 79°56'20.2" E
General ground level	346 m MSL
Elevation range	Highest-348m MSL lowest- 344m MSL
Temperature	Min: 8.5 ^o C and Max: 47.5 ^o C
Nearest Highway	Katangi- Waraseoni SH - 7.0
Nearest Railway Station	Chote Kochewahi – 7.75 km
Nearest Airport	Nagpur – 172 km
National park/Wild Life Sanctuaries within 10km radius	None
Reserved / Protected Forest within 10km radius	G. F. Sonewani RF
Surrounding village within 1 km area of the project.	Penditola - 0.60km – NW
Nearest River	Sarathi River 8.25km - N
Nearest Lake/ Ponds	Katngajhari Canal -2.75km -SE Chapa Tank -1.25 - WSW Katangjhari Tank -1.75km -SE Kas Nalla - 3.25km - WSW Dhokriya Nalla - 5.0 km - WSW Tondiya Nalla - 7.25 km - ESE Sarathi Tank - 8.75 km - NNE Mahadeo Nalla - 0.50km - WSW
Nearest Hill Ranges	None within 10 km radius
Source of Water for mine	Hand pump, Mine pit
Other mines located within 10km radius	8 mines 1. Pacific Export, Netra 2. J. K. Minerals, G. F. Sonewani 3. J. K. Minerals, Katangjhari - I 4. J. K. Minerals, Katagjhari - II 5. Vijay Khandelwal, Botejhari 6. Sandesh Developers, Kamthi 7. AP Trivedi Sons – 43.086ha 8 . AP Trivedi Sons – 4.30ha
Industry located within 10km radius	None
Surrounded by	North- Agricultural land

	West – Mahadeo Nalla followed by other mine of same lessee South- Other mine of same lessee East- G. F. Sonewani Forest
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CO-ORDINATE OF THE LEASE BOUNDARY PILLAR

- 1- 21°51'32.70"N - 79°56'20.20"E, 2- 21°51'32.30"N - 79°56'16.90"E
 3- 21°51'35.10"N- 79°56'12.70"E 4- 21°51'37.50"N-79°56'10.60"E
 5- 21°51'37.90"N - 79°56'11.10"E 6- 21°51'37.50"N - 79°56'12.60"E
 7- 21°51'35.70"N - 79°56'13.80"E 8- 21°51'36.10"N- 79°56'14.70"E
 9- 21°51'38.00"N - 79°56'13.55"E 10- 21°51'36.80"N- 79°56'16.50"E
 11- 21°51'36.00"N - 79°56'18.40"E 12- 21°51'35.40"N- 79°56'20.00"

It was reported by the PP that

- The lease area comes under forest land and lessee has already obtained forest clearance vide letter no. 615 dated 10/04/2006.
- Two 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	Opencast
Mining Lease Area	2.452 ha
Existing Pits & Quarries	0.05ha
Existing Dumps	0.45ha
Infrastructure and road	Nil
Mineral Storage	Nil
Plantation	-
Water body	Nil
Existing backfilled area	Nil
Mineable Reserve	14712 tonnes
Existing depth of mining	1.5m bgl
Ultimate depth of mining	2m bgl (442m MSL)
Method of mining	Opencast
Ultimate Pit Slope	45°
Proposed capacity of mines	888 tonnes per annum
Expected Life of Mines	17 years

Lease Period	30 year upto 2032
Thickness of soil/OB	
Minimum	0.0 m
Maximum	0.1 m
Stripping Ratio	1:1.41
Mode to transportation of Manganese ore	Road
Production per day (MT)	4.44 TPD
Dumper per day with capacity	1 trip per weak
Area to be covered under dumps at the end of conceptual period	Nil
Area covered under pit	2.0ha
Area to be reclaimed by lease period end	2.0ha
Area to be covered under plantation by lease period end	2.10ha
Area to be covered under water reservoir by lease period end	Nil
Average MSL	348-344m MSL
Ground water table	
Monsoon period	34m bgl (310m MSL)
Dry month	39m bgl (305m MSL)

Summarised of geological reserves and mineable reserves	
Area under proved category 80% of the total area	19616.00m ²
Proved category reserves = 19616 x 1.5m	29424 m ³
Recovery of ore from proved category = 29424 x 0.20	5884.80 m ³
Total proved mineral = 5884.80 x 3.0 BD	17654.40 T
90 % recovery	15888.96 T
Area under probable category 20 % of total area	4904.00m ²
Probable category reserves = 4904 x 1.5m	7356.00 m ³
Recovery of ore from probable category = 7356 x 0.20	1471.20 m ³
Total probable mineral = 1471.20 x 3.0 BD	4413.60 T
90 % recovery	3972.24 T
Total proved and probable reserves = 15888.96 + 3972.24	19861.20 says 19860.00T
Less ore blocked in 7.5m mining limit	5148.00T
Less ore blocked in ultimate pit slope	Nil
Total mineable reserves	14712.00T
Production during SOM period	2400.00
Balance reserves = 14712-2400	12312.00

Post land use plan

S. No.	Heads	At Present Ha.	At the end of SOM period - Ha	At the end of conceptual period-Ha
1	Area Under Mining	0.05	0.30	2.0
2	Storage of Top Soil	-	Nil	Nil
3	Overburden Dump (S)	0.45	Nil	Nil
4	Mineral Storage	nil		Nil
5	Infrastructure (Workshop, Admin Block Etc.)	0.025	0.062	0.4520ha
6	Water reservoir	Nil		Nil
7	Greenbelt	Nil	0.045	2.10ha
8	Backfilled area	Nil	Nil	2.0ha
9	Tailing Pond(S)	Nil	Nil	Nil
10	Effluent Treatment Plant.	Nil	Nil	Nil
11	Mineral Separation Plant	Nil	Nil	Nil
12	Township	Nil	Nil	Nil
13	Others To Specify (Retaining Wall, Settling Tank & Garland Drain)	Nil	Nil	Nil

Mining Method

- The float ore deposit occurs below the thin soil cover at a few places. However at many places in the area the float ore deposit is exposed and available on the surface, which is about 1.25m in thickness.
- Only Float ore working will be carried out during SOM period up to 1.5 to 2.0m depth
- Proposed mining will be carried out by opencast method of mining using hand tools.
- Lumps of Mn ore are being transported from pit bottom to surface manually.
- From the loading point of view, mineral is transported by trucks/ dumpers to the user industries.
- There are six old trail pits in the lease area, which is covered about 0.05ha area.

The lease area is quite old and is the forest area which has been not been used for mining earlier. Initially the lease area hole by M/s A P Trivedi & Sons for the area of 69.929 ha., which was applied for renewal and comprises of revenue as well as forest land. The only part of revenue land was renewed which was 43.086 ha and same area is under operation for which EC was accorded by SEIAA of MP. The area of 9.070 ha was applied for renewal and

2.452 ha area was proposed for renewal subject to condition of forest clearance. Due to late receipt the forest clearance, no mining activity was carried in 2.452 ha of area.

Float ore deposit in the area is well exposed in old trail pits. This deposit occurs below thin soil cover at few places. At many places in the area, the float ore deposit is exposed and available on the surface which is about 1.25 thicknesses.

The subject excavation is part of pit number 1 of M/s A P Trivedi Sons, Ramrama Mn Mines of 43.086 ha. The applied area is contiguous to working mines of same applicant and working pits is contiguous within the applied area hence partial exposed Mn ore in pit. Only Float ore working will be carried out during SOM period up to 1.5 to 2.0m depth. Proposed mining will be carried out by opencast method of mining using hand tools. Lumps of Mn ore are being transported from pit bottom to surface manually. The proposed method is opencast mining and accordingly the mine plan has been approved. The float ore deposit occurs below the thin soil cover at a few places. However at many places in the area the float ore deposit is exposed and available on the surface, which is about 1.25m in thickness. Only Float ore working will be carried out during SOM period up to 1.5 to 2.0m depth. Proposed mining will be carried out by opencast method of mining using hand tools. Lumps of Mn ore are being transported from pit bottom to surface manually. From the loading point of view, mineral is transported by trucks/ dumpers to the user industries.

Being it's a case of major mineral, it was decided to consider this case as B-1 category in 300th SEAC meeting dated 08/12/2017 and committee recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Cumulative impact should be studied as proposed site is surrounded by other mines.
2. Environmental Cost Benefit analysis should be carried out and submitted with the EIA report.
3. Environmental Policy of the company issued by the director with environmental management cell should be submitted with the EIA report.
4. Issue like storm water management plan, mine water discharge, safety barrier zone with the neighboring mines etc. should be properly addressed in the EIA.
5. Details of afforestation done till date with name and number of species and proposed plantation scheme should be provided in EIA with supporting photographs.
6. Proposed workers facilitate and workers welfare scheme should be discussed in the EIA report with financial allocations.

7. Inventory of operating / proposed mines within 2 Km around the said mine.
8. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
9. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
10. Any alternate route avoiding the nearby habitations.
11. Land use plan should be plotted on the map.
12. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
13. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
14. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
15. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
16. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

PP has submitted the EIA report vide letter dated 15/05/2019 which was forwarded through SEIAA vide letter no. 1116 dated 12/06/2019.

The case was presented by PP and their consultants presented the salient features of the project, EIA, baseline data and the proposed EMP before the committee.

The brief about the project:

S. no.	Particular	Details
1	Name of the project & its location	for Ramrama Opencast Manganese ore mine (4.30ha) Forest Compartment No. 468 B Village- Ramrama Tehsil- Waraseoni Dist- Balaghat (MP)
2	Name of the Company, Address Tele No. & E-mail	M/s A. P. Trivedi Sons, Ward No. 20, Main Road, Balaghat (MP)
3	Latitude and Longitude of the project	21 ^o 51'32.3 to 21 ^o 51'38.0" N 79 ^o 56'10.60" to 79 ^o 56'20.2" E
4	If a Joint venture, the names & addresses of the JV	NA

	partners including their share	
5	Project brief: nature of proposal (new/expansion,) total area-land use, project components, connectivity to the site etc	New , area –2.452ha, Forest Land connectivity- Katangi- Waraseoni SH - 7.0KM
6	Whether the project is in the Critically Polluted Area (CPA):	No
7	Cost of the project	70 lakh
8	Employment generated/to be generated	15
9	Benefits of the project:	Employment, other CSR activities
10	Whether new or expansion project .If expansion: i from MT to MT ii What is the % of expansion	NA
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	NA
12	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	NA
13	No. and Date of the ToR /and revised ToR, if any, letter issued by the authority	05/PS-MS/MPPCB/SEAC/TOR (299)/2018 Bhopal dated 02.01.2018
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	NA
15	If the project was considered in EAC, Pl. gives dates of the meeting (s)	NA
16	Type of Mine: (Open cast/Underground/mixed):	Opencast
17	Capacity of the mine applied for	Manganese ore - 888 T Per Year
18	ML Area i. As per block allotment ii. As per approved mine plan	2.452ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining plan approval date 07.1.09
20	Date of Board's approval:	NA
21	Date of Ground water clearance	NA
22	Date of mine closure approval	NA
23	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capitol cost and recurring cost	given below
24	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions	given below
25	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details	

CSR

SN	Plan	Activity	Budgetary provisions (Rs in lakh)	
			Capital	Recurring
1.	Provision of infrastructure facility at school	Providing financial support to the village school for development of infrastructure at Katanghari, Sirratola	2.00	1.00
2	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers	-	2.00
3	To carried out need base activity as per recommendation by gram panchyat	for maintenance of village road, drainage line, hand pump repairing etc	-	3.00
4	To provide drinking water facility at aganwadi center	Katanghari, Sirratola	1.00	0.50
		Total	3.00	6.50

Project cost- 70 lakhs

CER fund as per notification @3% of total project cost = 70lakh@0.03 = 2.10lakh

EMP budget

Total Cost (EMP + CSR+ plantation + Monitoring) amount in Lakh per annum		
Particular	Capital	Recurring
Budget for pipe line with sprinkler 500m within lease area running length @800/-	4.00	0.50
Budget for solar pump 5HP 100m head	2.00	
Sub Total	6.00	0.50
Maintenance of Plantation (Along the village Road & lease area) @ Rs 45/- per plant	-	1.00
Plantation (Capital cost) within lease area 4200no @250/- per plant	10.50	
Sub Total	10.50	1.00
Roads repair and maintenance (1.00km X 7.50mW@2.0 lakh per Km)	-	2.00
Construction of transport road (1.0km X 7.50mW@9.0 lakh per Km)	9.00	-
Sub Total	9.00	2.00
Personal Protective Equipments (Mask, Gloves, Goggles) for 15workers@1500.00	0.23	0.23
Half yearly Medical Checkup facility, first aid and other welfare activities for 15 workers @ 1000.00	0.15	0.15

Fire fighting arrangement 6kg fire extinguisher @2no @ 2000/-, Caution board,	0.04	0.002
Sub Total	0.38	0.38
MSW Waste Management 04 no. dusts bin capacity @2kg each @1000.00	0.04	0.10
Sub Total	0.04	0.10
Environmental Monitoring cost	10.50	9.45
Sub Total	10.50	9.45
Total EMP cost	36.42	13.43
CSR cost	3.00	6.50
Sub Total	3.00	6.50
Grand Total	39.42	19.93

Total production – 888TPA
 Total EMP recurring cost (excluding CSR) – 13.43 lakh
 Total EMP cost per T = 1343000/888 = Rs 1512 per T

Plantation

ENVIRONMENT IMPACT & MANAGEMENT Ecology: Stage Wise Cumulative Plantation										
REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Unworked area		Outside dumps (backfill area)		Inside Dumps		Bench		Total	
	Area (Ha)	Tree	Area (Ha)	Tree	Area (Ha)	Tree	Area (Ha)	Trees	Area (Ha)	No. of Trees
End of SOM period	0.10	200	0.146	292	-	-	-	-	0.2460	492
SOM to mine life	-	-	1.854	3708	-	-	-	-	1.854	3708
Total	0.10	200	2.00	4000	-	-	-	-	2.10	4200

S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	Within lease area			
1 st	Saplings, with earth work and pesticides	600	250/-	1,50,000/-
2 nd	Saplings, with earth work and pesticides	600	250/-	1,50,000/-
3 rd to CP	Saplings, with earth work and pesticides	3000	250/-	7,50,000/-
	Total	4200		10,50,000/-

Details of Existing plantation at adjacent area						
S. No.	Year	No. of trees planted	Name of Species	Area to be covered in ha	Rate of survival	Location
1	2009	500	Teak	0.5	71%	Near pit no. 1
2	2010	1000	Bamboo	1.0	67%	Hiver Pit
3	2011	800	Teak and	0.8	70%	Dump area

			Bamboo			
4	2012	3000	Khmer & Eucalyptus	3.0	65%	Dump area
5	2013	3000	Neem, Teak, Suababool	3.5	68%	Near Magazine & R/Shaft
6	2014	2000	Neem, Teak, Suababool	2.0	77%	Beside of Peditola road
7	2015	3500	Bamboo, Khmer & Eucalyptus	3.5	77.71%	Beside of Peditola road

Time Bound Plantation Programme		
Year	Area (in sq mt)	Number of Plants
1 st	3000	600
2 nd	3000	600
3 rd to CP	15000	3000
Total	21000	4200

Description	Qty	Location
Trees		
Neem	500	Along the lease Boundary in mine premises
Bans	500	
Kachnar	100	
Ornamental Trees		
Amaltash	100	Along the lease Boundary in mine premises
Gulmohar	100	Along the lease Boundary in mine premises
Satparni	500	Along the lease Boundary in mine premises
Karanj	100	Along the lease Boundary in mine premises
Fruit Trees & Ornamental		
Awala	100	In mine premises
Mango	100	Along the lease Boundary in mine premises
Jamun	100	Along the lease Boundary in mine premises
Imly	300	Along the lease Boundary in mine premises
Pipal	100	Along the lease Boundary in mine premises
Bargad	100	Along the lease Boundary in mine premises
Bael	50	Along the lease Boundary in mine premises
Medicinal Trees		
Drum Stick	1000	Along the lease Boundary in mine premises

Commercial value Trees		
Sisam (Sissoo)	200	Along the lease Boundary in mine premises
Mahua	250	Along the lease Boundary in mine premises
TOTAL	4200	

During presentation PP submitted that Stage-1 FC clearance is obtained vide letter no. 06-MPC 011/2005-BHO/615 dated 10/04/2006. PP further submitted that the lease area contain float ore deposit having reserve of 19,860 tonnes. Therefore only float ore working is proposed through sorting and breaking SOM period upto 1.5 to 2.0m depth. No drilling or blasting is proposed for the subject proposal. The float ore deposit occurs below the thin soil cover at a few places. However at many places in the area the float ore deposit is exposed and available on the surface, which is about 1.25m in thickness. Proposed mining will be carried out by opencast method of mining using hand tools. Lumps of Mn ore are being transported from pit bottom to surface manually. From the loading point of view, mineral is transported by trucks/ dumpers to the user industries. 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 for Prior Environment Clearance for Manganese Ore Mine in an area of 2.452 ha. with production capacity 888 TPA MTPA at Village- Ramrama, Tehsil - Waraseoni, Dist. Balaghat (MP), subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed float ore mine working shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. For dust suppression, regular sprinkling of water should be undertaken.
6. PP will obtain other necessary clearances/NOC from respective authorities.
7. The applicable condition of forest clearance shall be complied

(B) MINING OPERATIONAL PHASE

8. No intermediate stacking of soil is permitted and same shall be utilized for plantation.

9. No drilling and blasting shall be carried out as the proposal is for float ore mining through manual/OTFM method of mining.
10. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for mining period 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. As proposed in the landscape plan & EMP a minimum of 4200 no's of trees will be planted in the area of 21000 in sq mt.
11. Transportation road shall be made pucca.
12. Transportation of material shall be done in covered vehicles.
13. Transportation of minerals shall not be carried out through forest area.
14. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
15. The existing and proposed land use plan of the mine is as follows:

Items	Existing	SOM period (5years)	Conceptual Period
Total lease area			
Ultimate depth of mining			
Ultimate pit slope	45	45	45
Area under dumps	0.45ha	Nil	Nil
Area under pits	0.05ha	0.30ha	2.00ha
Infrastructure & Road	0.025ha	0.065ha	0.3520ha
Mineral storage	Nil	Nil	Nil
Plantation	Nil	0.10ha	0.10ha
Un-worked area	1.927ha	1.987ha	0.00ha
Total	2.452ha	2.452ha	2.452ha
Water body	Nil	Nil	Nil

Area to be backfilled	Nil	0.50ha	2.00ha
Plantation			
Un-worked area	Nil	0.10ha	0.10ha
Reclaimed area	Nil	0.50ha	2.00ha
Bench area	Nil	Nil	Nil
Total area for plantation	Nil	0.60ha	2.10ha

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

(C) ENTIRE LIFE OF THE PROJECT

21. The proposed EMP cost is Rs. 36.42 Lakhs are proposed as capital expenses and Rs. 13.43 Lakhs/ year as recurring expenses.
22. Under CSR activity total Rs. 3.0 Lakhs will be spent as capital and @ Rs. 6.50 Lakhs /year is proposed as recurring for different activities.
23. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
24. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

25. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
26. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. Case No. – 6366/2019 M/s Rabisha Holding Pvt Ltd, M/s Mefare Markentile Pvt. Ltd, M/s Welplan Traders Pvt. Ltd, M/s Osatwal Fincon Pvt. Ltd, M/s Venetee State & Finvest Pvt. Ltd, BPK Star Power, 4th Floor, Above Shoppers Stop, AB Road, Indore, MP – 452008 Prior Environment Clearance for Proposed Construction of BPK Titanium (Shopping Mall) (Total Land Area: 6,030 sqm, Total Built-up area : 27,974.782 sqm) at Village - Niranjapur, Agra Bombay Road,, Dist. Indore, MP. FoR- Building Construction. Env. Con. – Creative Enviro Services, Bhopal (M.P.).

This is case of Prior Environment Clearance for proposed construction of BPK Titanium (Shopping Mall) (Total Land Area: 6,030 sqm, Total Built-up area : 27,974.782 sqm) at Village - Niranjapur, Agra Bombay Road,, Dist. Indore, MP. FoR- Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site. Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant; the salient features of the project are as foven below:

S. No.	Item	Details
1.	Name of the project	BPK Titanium of M/s. M/s Rabisha Holding Pvt Ltd, M/s Mefare Markentile Pvt. Ltd, M/s Welplan Traders Pvt. Ltd, M/s Osatwal Fincon Pvt. Ltd, M/s Venetee State & Finvest Pvt. Ltd, BPK Star Power, 4th Floor, Above Shoppers Stop, AB Road, Indore
2.	S. No. in schedule	The project is categorized as 'B-1' under item 8 (a) of Schedule - Gazette Notification dated Sep 14th, 2006 and subsequent amendments issued by MoEF, New Delhi on 01.12.09 and 04.04.2011.

3.	Proposed capacity / area / length / tonnage to be handled / command area / lease area / number of wells to be drilled	The land use of the proposed project is as under:- Total plot area- 5847.95 sq mt Total Built up area – 27974.78 Sq. Mt. Use - Shopping mall with multiplex, office buildings, hotel. Structure - 3 basements + 9 floors		
4.	New / Expansion / Modernization	New		
5.	Existing Capacity/Area etc.	It is green field project		
6.	Category of Project i.e. 'A' or 'B'	'B'		
7.	Does it attract the General condition?	No		
8.	Does it attract the Specific condition? If Yes, please specify.	No		
9.	Location	Coordinates: Latitude- 22°45'37.94"N Longitude- 75°53'49.18"E E Village- Niranjapur Agra Bombay Road, Indore (MP)		
	Plot/Survey/Khasra No.	391/2, 391/1/3/2, 391/3/2, 392/3/1/2, 391/3/feu -1, 391/1/feu-1, 391/1/3/1, 392/3/1/1, 392/3, 391/4, 391/16, 391/1/feu- 4, 391/17		
	Village	Niranjapur		
	Tehsil	Indore		
	District	Indore		
	State	Madhya Pradesh		
10.	Nearest railway station/airport along with distance in kms.	Indore Railway Station is at a distance of about 7 KMS Indore Airport at a distance of about 19 KMS.		
11.	Nearest Town, City, District Headquarters along with distance in kms.	Nearest	Name	Distance
		City	Indore	Within Municipal Area
		District Headquarters	Indore	7 Kms
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body	Indore Municipal Corporation		

13.	Name of the applicant	M/s. Rabisha holding Pvt Ltd Mefare Markentile Pvt Ltd Welplan Traders Pvt Ltd Osatwal Fincon Pvt Ltd Venetee state & Finvest Pvt Ltd	
14.	Registered Address	Insight Mall Developers Pvt. Ltd. Reg. Off.: C/o Market City Resources Pvt. Ltd., Ground Floor, R.R. Hosiery Bldg., Shree Luxmi Woollen Mills Estate, Mahalaxmi, Mumbai, Maharashtra - 400 011	
15.	Address for correspondence:	BPK TITANIUM MALL BPK Star Power, 4 th Floor Above Shoppers Stop. A.B. Road, Indore- 452008(M.P.)	
	Name	Mr. Ranjan Tibrewal	
	Designation (Owner/Partner/CEO)	CEO	
	Address	BPK TITANIUM MALL BPK STAR POWER, 4 th Floor Above Shoppers Stop. A.B. Road, Indore- 452008(M.P.)	
16.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project.	No	
17.	List out all the major project requirements in terms of the land area, built up area, water consumption, power requirement, connectivity, community facilities, parking needs etc.	Total Plot Area	5847.95 sq mtrs
		Built up area as per T&CP	8694.59
		Total Built up area	27974.78
		Total Water Requirement	2,51,200 LPD
		Total Waste Water Generation	1,51,000 LPD
		Total Fresh Water Requirement	1,17,200 LPD
		Power Requirement	1960 KVA
		Backup Power facility	3 x 800 KVA
		Solid Waste	470Kg
		Area of parking	9315.0 SQM
		Stilt Parking Space	2410.68 SQM

		Number of vehicle to be parked	277
		Height of Buildings	30.0 MT
		Front MOS	12.00m
		Rear MOS	7.5m
		Width of main assess	60.00m
		Area under Green belt	876.00sqm
		Area under Roads	2104.32sqm
18.	Name of the consultant	Creative Enviro Services 42 Doorsnchar Colony E 8 Gulmohar Bhopal (MP)	
19.	SR. No. in Nabet/QCI List	29	

:

Area Abstract of the project			
Statement of Areas		Development	
S. No	Particular	Permissible	Proposed
1	Organized Open Area	504.53	530.65
2	Services Area		
3	Maximum Far	9975.88	8694.59
4	Road & Circulation Area	2104.32	2104.32
5	Maximum Ground Coverage	2018.13	1987.54
6	Maximum Height	30.0	30.0
7	Total Area of land	5847.95	5847.95
8	Total Built up area as per T & CP norms or MPBVR 2012	9975.88	8694.59
9	Total Built up area including area of stair cases, balcony, basements and other services area which does not considered for calculation wrt T & CP & MPBVR 2012	27974.78	27974.78

Details of Parking Statement				
Type of Parking	Parking spaces require as per norms of MPBVR 2012	Parking spaces provided	Number of Vehicles required as per norms of MPBVR 2012	Number of Vehicles provided as per norms of MPBVR 2012
Basement	7323.27	7323.27	209	209
Stilt	2410.68	2410.68	80	80

Following impact and measures were submitted by the project proponenet

S. No.	Environmental component	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Remedial Measures
1	Ground Water Quality	Ground Water Contamination	Construction Phase Waste water generated from temporary labour tents.	Mobile sulabh / Soak pit will be provided.	No significant impact as majority of labors would be locally deployed	-
			Operation Phase Discharge from the project	Proponent will provide the STP to treat the discharge up to tertiary level.	No negative impact on ground water quality envisaged..	In an unlikely event of soil and ground water contamination. Remediation measures shall be implemented in such case. .
2.	Ground Water Quantity	Ground Water Depletion	Construction Phase Use of surface water for construction activity.	Tanker water supply shall be used.	No impact on ground water quantity envisaged.	
			Operation Phase Municipal water supply will be the main source of water during operation	<ul style="list-style-type: none"> • Rain water harvesting scheme. • Black and Grey water treatment and reuse. • Storm water collection for water harvesting. • Percolation well to be introduced in landscape plan. 	Positive impact on ground water profile is expected	In an unlikely event of non-availability of water supply, water will be brought using tankers.
3.	Surface Water Quality	Surface water contamination	Construction Phase Surface runoff from site during construction activity.	Silt traps and other measures such as additional on site diversion ditches will be constructed to control surface run-	No off site impact envisaged as no surface water receiving body is present in the core zone.	

				off during site development		
			Operation Phase Discharge of domestic wastewater to surface water body/land.	Domestic water will be treated in STP upto tertiary level. Only excess treated water shall be discharged subject to approval of municipal corporation.	No off site impact envisaged	
4.	Air Quality	Dust Emissions	Construction Phase All heavy construction activities	Suitable control measures will be adopted to reduce the PM level in the air as per air pollution control plan. Site shall be covered through GI sheets to prevent the dust flow outside of the area.	Not significant because dust generation will be temporary and will settle fast due to dust suppression techniques	During construction phase the contractors are advised to facilitate masks for the labours. water sprinklers will be used for suppression of dust during construction phase.
		Emissions of SPM, SO ₂ , NO ₂ and CO	Construction Phase • Operation of construction equipment and vehicles during site development. • Running D.G. sets (back up)	Rapid on-site construction and improved maintenance of equipment	Not significant.	Regular monitoring of emissions and control measures will be taken to reduce the emission levels.
			Operation Phase Power generation by DG Sets during power failure Emission from vehicular traffic in use	<ul style="list-style-type: none"> • Use of ultra low sulphur diesel if available • Use of clean fuel if available • Providing Footpath and 	Not significant. DG sets would be used as power back-up (approx 6 hours)	-

				pedestrian ways within the site. • Green belt will be developed with specific species to help to reduce fugitive emission		
	Noise	Exceeded level of noise	Construction Phase • Operation of construction equipment and vehicle movements during site development. • Running DG sets (for power back up)	• Use of equipment fitted with silencers • Proper maintenance of equipment • Provision of noise shields near the heavy construction operations and acoustic enclosures for DG sets • Construction activity will be limited to day time hours only	No significant increase in noise level is expected from the project's activities. There are no sensitive receptors located within the vicinity of site.	Use of Personal Protective Equipment (PPE) like earmuffs and earplugs during construction activities.
			Operation Phase • Noise from vehicular movement • Noise from DG sets operation	• Green Belt Development • Development of silence zones to check the traffic movement • DG set rooms will be equipped with acoustic enclosures	No significant impact due to suitable width of Greenbelt.	
6.	Land Environment	Soil contamination	Construction Phase • Disposal of construction debris	• Construction debris will be collected and suitably used on site as per the solid waste management plan for construction phase	No significant impact. Impact will be local, as waste generated will be reused for filling of low lying areas etc.	
			Operation Phase Dumping of municipal solid waste on land. Waste oil generated	• It is proposed that the solid waste generated will be properly collected and transported at	Since solid waste is handled by the selected agency, waste dumping is not going to be	

			from D.G. sets	land fill site of corporation. • Collection, segregation, transportation and disposal will be done as per MSW Management Rule, 2016 by the authorized agency • Waste oil generated will be sold to authorized recyclers	allowed. Not significant. Negligible impact.	
7.	Biological Environment (Flora and Fauna)	Displacement of Flora and Fauna on site	Construction Phase Site Development during construction	No trees are identified at the site	The proposed site few vegetation	
			Operation Phase • Increase in green covered area	• Suitable green belts will be developed as per landscaping plan in and around the site using local flora	Beneficial impact.	
8	Socio-Economic Environment	Population displacement and loss of income	Construction Phase No population are required to be displaced. Construction activities leading to relocation of the labours	Commercial zone and crèche facility shall be developed.	No negative impact.	

After presentation PP was asked to submit following details:

1. Revised traffic circulation plan with provision for emergency exit.
2. Excavated soil management plan.
3. Copy of all the approvals (NOCs as Fire, sewage disposal, supply of water).
4. Revised green belt plan as suggested by the committee.
5. Revised CER & EMP.

PP vide letter dated 02/07/2019 submitted reply of the above query. The query reply was before the committee, after deliberations, the submissions made by the PP were found to be

satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Construction of Mall “ BPK Titanium [Total Plot Area = 5847.95 sq mt sqm., Total Built-up Area = 27974.782 sq mt] at Khasra No. 391/2, 391/1/3/2, 391/3/2,92/3/1/2, 391/3/feu -1, 391/1/feu-1, 391/1/3/1, 392/3/1/1, 392/3, 391/4, 391/16, 391/1/feu- 4, 391/17 Village- Niranjapur Agra Bombay Road, Indore (MP) , subject to the following special conditions:

I. Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. All other statutory clearances such as the approvals for storage of diesel from Fire Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vi. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- vii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 3 Nos. of 800 KVA D.G sets will be used for backup. Fuel will be used HSD Fuel type. Source of backup power should be of enclosed type and conform to rules made under the

Environment (Protection) Act, 1986. The height of stack of DG Sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel shall be used on DG Sets. The location of the DG sets may be decided with in consultation with MP Pollution Control Board.

- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xi. For indoor air quality, the ventilation provisions as per National Building Code of India shall be provided.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. Total water use shall not exceed 251.20 KLD .
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be to monitor to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed

the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.

- vi. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- vii. PP should explore the possibility of providing water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation.
- viii. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- ix. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- x. Total ground water recharge through Rain water harvesting would be 278 m³/cum. Ground water recharging should be as per the CGWB norms.
- xi. All recharge should be limited to shallow aquifer.
- xii. No ground water shall be used during construction phase of the project.
- xiii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xiv. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xv. Total water requirement for the project is 251.20 KLD. The generated sewage will be around 151 KLD and shall be treated in the STP of 175 KLD capacity which shall be based on MBBR technology. The treated water of 136 KLD from STP shall be recycled/re-used for flushing, car washing, DG cooling, HVAC and gardening.
- xvi. No sewage or untreated effluent water would be discharged through storm water drains.
- vii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problems from STP.
- viii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise Monitoring and Prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation)

Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. DG sets will be used during development phase of the project. As 3 Nos. of 800 KVA are D.G set will be used for backup. Noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Energy conservation measures like installation of LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- iv. Solar, wind or other Renewable Energy shall be installed in meet electricity generation equivalent to 1% of the demand load or as per the state level/local building bye-law's requirement, whichever is higher.
- v. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.

VI. Waste Management

- i. The solid waste generated from project will be mainly domestic in nature and the quantity of the waste will be 470 KG per day. Solid wastes generated will be segregated into biodegradable (waste vegetables and foods etc.) and non-biodegradable (Papers, Cartons, Thermo-col, Plastics, Glass etc.) components and collected in separate bins. Recyclable and non-recyclable wastes will be disposed through Govt. approved agency.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

- iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- v. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the MP Pollution Control Board.
- vi. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- vii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- ix. Used CFLs, TFLs and other e-waste should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid contamination.

VII. Green Cover

- i. Not tree can be felled/transplant unless exigencies demand. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii. The 876 sq meters (14%) of area shall be shall be provided for green belt development as per the details provided in the project document.
- iii. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
- iv. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- v. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.

- vi. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stock piled appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network.
 - a. Traffic calming measures.
 - b. Proper design of entry and exit points.
 - c. Parking norms as per local regulation.
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. The parking facilities shall be provided of area 9315 sqm with meeting the minimum requirement of 35 sqm to each car in covered parking and 25 sqm for each car in open parking.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation, provisions as per National Building Code of India shall be provided.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- iv. Occupational health surveillance of the workers shall be done on a regular basis.
- v. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility.

- ii. For EMP, PP has proposed Rs. 152.90 lakh as capital and Rs. 37.02 Lakh/ year as recurring cost of this project, Out of which For plantation (horticulture and Gardening Development work) Rs. 0.50 Lakh as capital cost and Rs.0. 20 Lakh/ year recurring cost.
- iii. PP has proposed 70.0 Lakh as capital cost @ 7.0 Lakh/year for 10 years in the proposed CER.
- iv. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the Environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly reports.
- v. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

XI. Miscellaneous

- i. The project proponent shall abide by all the commitments and recommendations made in the EMP report, and also that during their presentation to the Expert Appraisal Committee.
- ii. Explore the possibility of utilization of rain water in the sump well or through deep injection well.
- iii. The land use of the project area is as follows:

Area Statement of Project As Per Sub Rule 30 Of Rule 2 Of MPBVR 2012			
No.	B.U.A. Including Balcony	Corridor	Floor
	Each Floor		
1	PARKING		Basement and Stilt
2	2345.97	526.28	First Floor
3	2380.2	526.28	Second
4	2216.12	639.85	Third
5	2320.18	NIL	Service
6	2166.77	957.45	Fourth
7	2229.23	375.61	Fifth
8	2204.76	375.63	Sixth

9	2163.81	446.44	Seventh
10	2164.01	393.65	Eight
11	2158.15	376.74	Ninth

- iv. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- v. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

4. Case No. – 6269/2019 Shri Dharmendra Singh, R/o C-99, Govindpuri, Tathipur, Dist. Gwalior, MP – 471510 Prior Environment Clearance for Expansion of Granite Stone Mine in an area of 2.971 ha. (2018-19 : 1,00,000 cum per annum, 2019-20 : 2,00,000 cum per annum and 2020-21 : 2,00,000 cum per annum) (Khasra No. 480), Village - Badhaurakalan, Tehsil - Gaurihar, Dist. Chhatarpur (MP)

This is case of Granite Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 480), Village - Badhaurakalan, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 2.971 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Mining Surveyor letter dated:11/08/2015 has reported that there is no more mine operating or proposed within 500 meters around the said mine .

The case was presented by the PP and their consultant. During presentation and appraisal of the case through Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

- That the lease area is falling on the isolated hill or small plateau type structure which is having height of approximately 10 meters height from the ground surface level.
- A pit is in existence in the south side the lease for which PP submitted that soil was removed from this area which is also shown on surface map.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction
Kachchi road	>200	Plantation along the periphery
Settlement	>400	

After presentation the committee asked to submit following details:

- Mining Officer Certificate as certificate attached with case file is issued by mining surveyor.
- Revised EMP as suggested by committee.
- Revised CER as suggested by committee.
- All maps of mine plan.

PP has submitted the response of above quarries same date vide letter dated 02.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the 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 shall be as per mine plan with quantity not exceeding for Granite Stone 1.0 Lakh cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 32.39 Lakh as capital and Rs. 6.15 Lakh/year and under CSR Rs. 4.40 Lakh/years has proposed.

5. Case No. – 6271/2019 M/s Wagad Infraprojects Pvt. Ltd, Halmukam, Dhanwantri Nagar, Dist. Jabalpur, MP Prior Environment Clearance for Basalt/Boulder & Crusher Stone Quarry in an area of 3.40 ha. (1,22,658 cum per annum) (Khasra No. 17P & 24P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP).

This is case of Basalt/Boulder & Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 17P & 24P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 3.40 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 21/01/19 has reported that

there is 19 more mine operating or proposed within 500 meters around the said mine with total area of 38.44 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 38.44 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Hydro-geological study is to be done as mining is proposed more than 30 meters depth.
2. The village is very adjacent to the mine lease in the north- east corner of the lease even one of the coordinate is falling in the village. PP will submit revised coordinates, production plan and discuss protection measures to avoid fly rocks due to blasting in the EIA report.

6. Case No. – 6273/2019 M/s Wagad Infraprojects Pvt. Ltd, Halmukam, Dhanwantri Nagar, Dist. Jabalpur, MP Prior Environment Clearance for Basalt/Boulder & Crusher Stone Quarry in an area of 1.31 ha. (52,650 cum per annum) (Khasra No. 105P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP).

This is case of Basalt/Boulder & Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 105P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 1.31 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 22/01/19 has reported that there is 19 more mine operating or proposed within 500 meters around the said mine with total area of 38.44 ha., including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 38.44 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and

thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

1. Hydro-geological study is to be done as mining is proposed more than 30 meters depth.
2. River canal is situated at 440 meters in the north – east direction of the lease. PP will submit protection measures to avoid any harm due to blasting in the EIA report.

7. Case No. – 6275/2019 M/s Wagad Infraprojects Pvt. Ltd, Halmukam, Dhanwantri Nagar, Dist. Jabalpur, MP Prior Environment Clearance for Basalt/Boulder & Crusher Stone Quarry in an area of 1.74 ha. (1,03,645 cum per annum) (Khasra No. 17, 24P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP)

This is case of Basalt/Boulder & Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 17, 24P), Village - Manegaon, Tehsil - Jabalpur, Dist. Jabalpur (MP) 1.74 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. NIL dated: 21/01/19 has reported that there is 19 more mine operating or proposed within 500 meters around the said mine with total area of 38.44 ha. including this mine.

The case was presented by the PP and their consultant, being it's a case Stone Quarry with total area of 38.44 ha. including this mine. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed around the lease area.

- The lease is elongated in shape in the north- south direction and north part of the lease up to approx. 95 meters habitation is in existence and alike the south end, lease is in close proximity of habitation. (approx. 60 meters)
- Even in the Collect orate Office (Mining Cell) letter no. 2475/ Khanij/ SEIAA/ 2018, dated 27.03.2018 it is mentioned that Primary School Building is just 26 meters from the lease.

Hence, in the above context considering the sensitivity (habitations on north and south side and a school) in the light of MMR, 1996, minimum 100 meters area is to be left from the

public place. Thus committee after deliberations recommends that on above ground this case cannot be considered for grant of EC.

8. Case No. – 6245/2019 M/s Madhav Infra Projects Ltd, Shri M.G.Hari Kumar, Dist. Alirajpur, MP – 457887 Prior Environment Clearance for Murrum Deposit in an area of 2.00 ha. (70,000 cum) (Khasra No. 01), Village - Kosariya, Tehsil - Sondwa, Dist. Alirajpur (MP).

This is case of Murrum Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 01), Village - Kosariya, Tehsil - Sondwa, Dist. Alirajpur (MP) 2.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 292 dated: 02/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, the mining is on hillock, where about 40 meters elevation difference. PP stated that this lease was obtained under temporary permit (TP) for one year and no blasting is proposed and only manual mining shall be carried out. Following other sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
kachcha Road	>200	East	Two row of plantation

P

P further stated that no blasting is proposed and only manual mining shall be carried out. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Murrum Quarry 70,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.46 Lakh as capital and Rs 12.41 Lakh/year and under CER Rs. 0.30 Lakh/years has proposed.

9. Case No. – 6247/2019 M/s Madhav Infra Projects Ltd, Shri M.G.Hari Kumar, Dist. Alirajpur, MP – 457887 Prior Environment Clearance for Murrum and Stone Quarry in an area of 4.00 ha. (Murrum – 30,000 cum and Stone – 2,00,000 cum) (Khasra No. 398), Village - Amla, Tehsil - Sondwa, Dist. Alirajpur (MP). T.P

This is case of Murrum and Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 398), Village - Amla, Tehsil - Sondwa, Dist. Alirajpur (MP) 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 290 dated: 02/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, PP stated that this lease was obtained under temporary permit (TP) for one year. During presentation as per Google image based on coordinates provided by PP, Following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Shed	Very close to mine	South	PP submitted that these shades are of their site office. No blasting proposed.
kachcha Road	>100	South	Two row of plantation

The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Murrum 30,000 cum and Stone 2,00,000 cum for one year.
2. A budgetary provision for Environmental management Plan of Rs. 27.72 Lakh as capital and Rs 2.17 Lakh/year and under CER Rs. 0.50 Lakh/years has proposed.

10. Case No. - 6266/2019 Smt. Ratan Jadon W/o Shri Virendra Singh Jadon, E-7, M-708, Arera Colony, Dist. Bhopal, (M.P.) – 462016 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. Capacity – 1,08,699 cum per annum, at Khasra No. 479/2, Village - Rauhal, Tehsil - Mada, Dist. - Singrauli (M.P.).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 479/2, Village - Rauhal, Tehsil - Mada, Dist. - Singrauli (M.P.). 4.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 7011 dated: 30/12/17 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, During presentation as per Google image based on coordinates provided by PP, the lease area is on hillock, where about 21 meters elevation difference from the ground level. The lease is already excavated and crusher is also installed in the lease for which PP submitted that earlier they have obtained EC from DEIAA (issued vide letter no. 09 dated 09/01/2018). Following other sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Isolated housed kachcha Road	West >90	100 meters South – west	Three rows of plantation -

After presentation the committee asked to submit following details:

1. PP shall be submitted the copy of consent issued from MPPCB as Crusher is installed in the lease.
2. Copy of compliance report submitted by PP in MoEF&CC.
3. Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 02.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The 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 shall be as per mine plan with quantity not exceeding for Stone 1,08,699 cum.
2. A budgetary provision for Environmental management Plan of Rs. 21.08 Lakh as capital and Rs 7. Lakh/year and under CER Rs. 1.0 Lakh/years has proposed.

11. Case No. - 6309/2019 M/s Guru Kripa Construction, R/o Lidhora, Dist. Tikamgarh, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (37,611 cum per annum) (Khasra No. 501/1), Village - Maheva Chak-3, Tehsil - Lidhora, Dist. Tikamgarh (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 501/1), Village - Maheva Chak-3, Tehsil - Lidhora, Dist. Tikamgarh (MP) 2.0 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2022 dated: 15/03/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, the lease area is on hillock, where about 21 meters elevation difference, within 500 meters other following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Settlement	120 meter	North- East	Three rows of plantation and provision of garland drain and settling tanks
Kachha road	SW to NE	73 meter	

After presentation the committee asked to submit following details:

- Top soil management Plan.
- Revised EMP with inclusion of budget for top soil transportation for plantation.
- Revised CER based on drainage arrangement in the village Maheva Chak-1.

PP has submitted the response of above quarries same date vide letter dated 02.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the 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 shall be as per mine plan with quantity not exceeding for Stone 37,611 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 15.87 Lakh as capital and Rs. 5.47 Lakh/year and under CSR Rs.0.80 Lakh/years has proposed.

12. Case No. - 6310/2019 Shri Atul Yadav, R/o Village - Bairwar, Tehsil - Jatara, Dist. Tikamgarh, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 1.00 ha. (5,000 cum per annum) (Khasra No. 2083/1), Village - Bairwar, Tehsil - Jatara, Dist. Tikamgarh (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2083/1), Village - Bairwar, Tehsil - Jatara, Dist. Tikamgarh (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 2090 dated: 27/04/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, the lease area is on the foot hill hillock, which is already excavated, and crusher is also installed in the lease. within 500 meters other following sensitive features were observed of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	>200	South	Three rows of plantation
Water body	>150	South –west	Provision of garland drain and settling tanks
Settlement	120	North- East	Three rows of plantation
Kachha road	05	NW	05 meter setback

After presentation the committee asked to submit following details:

- Top soil management plan.
- Revised plantation details.
- Revised CER.

PP has submitted the response of above quarries same date vide letter dated 02.07.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that the 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 shall be as per mine plan with quantity not exceeding for Stone 5,000 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.09 Lakh as capital and Rs. 2.53 Lakh/year and under CSR Rs. 0.90 Lakh/years has proposed.

13. Case No. - 6239/2019 Shri Jyoti Bhushan, Ward No. 13, Daboh, Dist. Bhind, (M.P.) – 477001. Prior Environment Clearance for Sand Quarry in an area of 3.10 ha., Capacity -45,000 cum per annum. at Khasra No. 330, Village - Dadua, Tehsil - Lahar, Dist. - Bhind (M.P.).

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 330, Village - Dadua, Tehsil - Lahar, Dist. - Bhind (M.P.). 3.10 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 148 dated: 02/05/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area.

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Patches of Trees	Within lease	-	Committeemen that no tree falling without permission. Committeemen that area which has trees will not be mined-out.
Natural drain	100	SE	-

PP further stated that this is khodu bharu mine and this lease was obtained under temporary permit (TP) for two years period, method of mining will be open cast semi mechanized.

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

1. Production of Khodu Bharu Sand as per mine plan with quantity not exceeding 45,000 cum/year.

2. A budgetary provision for Environmental management Plan of Rs. 18.89 Lakh as capital and Rs 3.87 Lakh/year and under CSR Rs. 0.60 Lakh/years.

14. Case No. – 6356/2019 M/s Om Jai Shri Ashutosh Minerals, House No. 171/3, Ward No. 07, Chandla, Dist. Chhatarpur, MP – 471525 Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. (31,002 cum per annum) (Khasra No. 1072), Village - Kanbhai, Tehsil - Chandla, Dist. Chhatarpur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1072), Village - Kanbhai, Tehsil - Chandla, Dist. Chhatarpur (MP) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1975 dated: 11/04/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

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

15. Case No. – 6295/2019 M/s Dilip Buildcon Ltd, Plot No. 5, Govind Narayan Singh Gate Ka Andar, Chuna Bhatti, Kolar Road, Dist. Bhopal, MP – 486001 Prior Environment Clearance for Boulder Stone Quarry in an area of 4.90 ha. (89,670 cum per annum) (Khasra No. 503), Village - Amiliha, Tehsil - Gurh, Dist. Rewa (MP).

This is case of Boulder Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 503), Village - Amiliha, Tehsil - Gurh, Dist. Rewa (MP) 4.90 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 3736 dated: 08/05/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Natural drain	>100	South- west	Provison of garland drain and settling tanks

The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Boulder Stone 89,670 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 28.36 Lakh as capital and Rs. 3.64 Lakh/year and under CSR Rs. 0.90 Lakh/years has proposed.

16. Case No. - 6320/2019 M/s Dilip Buildcon Ltd, Plot No. 5, Govind Narayan Singh Gate Ke Ander, Chuna Bhatti, Kolar Road, Dist. Bhopal, MP – 462001 Prior Environment Clearance for Crusher Stone Quarry in an area of 4.450 ha. (1,21,500 cum per annum) (Khasra No. 163/1/2, 163/2/2, 164,/1,/2, 176/1/Kh), Village - Khadampur, Tehsil - Bairasiya, Dist. Bhopal (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 163/1/2, 163/2/2, 164,/1,/2, 176/1/Kh), Village - Khadampur, Tehsil - Bairasiya, Dist. Bhopal (MP) 4.450 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 1593 dated: 24/05/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters no any significant sensitive features were observed of the lease area. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Crusher Stone 1,21,500 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 26.95 Lakh as capital and Rs. 3.69 Lakh/year and under CSR Rs. 1.80 Lakh/years has proposed.

17. Case No. - 6283/2019 Shri Devi Singh, Village - Manki, Tehsil - Biora, Dist. Rajgarh, (M.P.) – 465661 Prior Environment Clearance for Stone Quarry in an area of 1.00 ha. Capacity – 5,845 cum per annum. at Khasra No. 247/6/2, 247/6/3, Village - Chacha Khedi, Tehsil - Biora, Dist. - Rajgarh (M.P.).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra No. 247/6/2, 247/6/3, Village - Chacha Khedi, Tehsil - Biora, Dist. - Rajgarh (M.P.) 1.00 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter No. 262 dated: 07/02/19 has reported that there is no more mine operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, During presentation as per Google image based on coordinates provided by PP, Following sensitive features were observed within 500 meters of the lease area:

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

Natural drain	>140	SW	Provision of garland drain and settling tanks.
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The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that 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 shall be as per mine plan with quantity not exceeding for Stone 5845 cum per year.
2. A budgetary provision for Environmental management Plan of Rs. 9.23 Lakh as capital and Rs 1.89 Lakh/year and under CER Rs. 0.66 Lakh/years has proposed.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. J. P. Shukla)
Member

(R. S. Kori)
Secretary

(Mohd. Kasam Khan)
Chairman

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

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

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

16. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
17. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
18. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
19. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'B'

Standard conditions applicable for the Sand Mine Quarries*

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered tractor trolleys which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
6. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
7. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
8. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.

12. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
23. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
24. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'C'

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

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.

5. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CSR activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

Annexure- 'D'

General conditions applicable for the granting of TOR

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.

19. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

25. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
26. Detailed analysis of availability and quality of the drinking water resources available in the block.
27. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
28. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.