

MINUTES OF STATE EXPERT APPRAISAL COMMITTEE

144th MEETING 30th October 2013

The meeting conducted on 30th October 2013 was presided over by Shri S.C. Jain. Following Members attended the meeting-

1. Shri K.P. Nyati, Member
2. Dr. Mohini Saxena, Member
3. Shri V.R. Khare, Member.
4. Shri AP Srivastava, Member
5. Prof. V. Subramanian, Member and
6. Shri R.K. Jain, Member Secretary

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations. Meetings for the month of November were decided to be held on 7th and 8th of November 2013. **Meeting ended with thanks to the Chair and the Members.**

Consideration of the Projects – Following projects were taken up for deliberations one by one:-

- 1. Case No. - 730/2012** Shri Tarun Kathuria, Director, M/s A.R. Infrastructure Private Ltd. 15, UGF, Indra Prakash Building, 21, Barakhamba Road, New Delhi – 110001 **EIA Building Construction.** *Proposed group housing project Cat. 8(b), at Talavali Chanda (Gram & Moja), Distt. Indore, (M.P.) Total Plot Area - 199222.618 m², Built Up Area - 206937.46 m².*
Env. Consultant : GRC I. (P) Ltd. Noida (U.P.) ToR issued vide letter no 266 dt. 11/03/13

Neither the Project Proponent 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. Hence Committee decided to consider the case in the coming meetings of November 2013.

- 2. Case No. - 625/2011** Mr. Utpal Debnath, Registrar I/C, Indira Gandhi National Tribal University, Amarkantk, Mekal Sadan, Kapildhara Road – Amarkantk (M.P.) -484886 **For Building Construction** *Indira Gandhi National Tribal University Amarkantk, at Khasra No. 136-217, 658- 684, 180/715, 201/71, 201/717, 207/718 in Village - Lalpur ; 342, 344 - 454 in Village - Sendurkhar ; 2-99, 129-136, 138/1, 139 in Village - Bijori Bhauri (Indore By Pass Road) Village - Lalpur, Sendurkhar , Bijori Tehsil - Amarkantk District – Anuppur (M.P.) Plot Area - 1501440 sq mt., Total. Built up Area - 575998.85 sq mt. Env. Consultant : GRC I. (P) Ltd. Noida (U.P.)* ToR issued vide letter no 262 dt. 12/09/13

PP and the consultant informed the committee that some data in the report needs to be reviewed and re-calculated in view of the revised population data, hence a chance e for presentation in the next meeting was requested by the PP. Committee agreed to call the PP in the next meeting to be held in November 2013.

- 3. Case No. – 708/2012** Shri Anod Jaiswal, Jaiswal Bhawan Kolgawn, J. R. Birla Road, P.O. & District – Satna(M.P.) – 485501, *Ramasthan Limestone Mine at Village - Ramasthan, Teh.- Raghuraj Nagar, Distt.- Satna (M.P.) Lease Area- 8.064 ha. Capa.- Proposed capacity : 0.125 MTPA (0.10 MTPA limestone & 0.025 MTPA reject stone) Env. Consultant : GRC I. (P) Ltd. Noida (U.P.)*ToR issued vide letter no 396 dt. 28/07/12 **EIA Presentation**

[S.C. Jain, Chairman]

[Shri AP Srivastava, Member]

[V.Subramanian, Member]

[V.R. Khare, Member]

[K.P. Nyati, Member]

[Ms Mohini Saxena, Member]

[R.K. Jain, Member Secretary]

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This is a mining project comprising a lease area of 8.064 Ha and proposed production capacity of 0.10 Million Ton of limestone and 0.025 million ton of reject stone per year. The project by virtue of its lease area and location falls under category -BØ item 1 (a) of the Schedule of EIA Notification, hence requires prior EC before commencement of production. The EIA based on the TOR issued vide letter dated 28/07/2012 was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The EIA, EMP, Public hearing issues and other salient features of the project were presented by the PP and his consultant in the meeting, which reveals following:

Background of the Project

- É Mining lease was initially sanctioned to Shri Gyani Lal Pathak for 20 years period w.e.f. 01.11.1972 to 31.10.1992 over an area of 8.064 ha.
- É The ML area was transferred in the name of Smt. Uma Bai Pathak the wife and legal heir of the deceased lessee vide State Government order dated 19.02.1976.
- É The 1st renewal was granted for 10 years period upto 31.10.2002.
- É The lease area was again transferred in the name of Shri Pankaj Pathak, the son and legal heir of the deceased lessee on 03.02.1996.
- É The ML area was then transferred to the present lessee Sri Anod Jaiswal vide State govt. order No. F3-88/99/12/2 Bhopal Dated- 07.06.2000 for the balance period up to 31.10.2002. The transfer deed was executed on 17.6.2000.
- É The state govt. then vide letter No. F3-88/99/12/2 Bhopal Dated- 02.11.2002 extended the period of ML from 10 to 20 years period i.e. upto 31.10.2012.
- É The Mining plan of this project was approved by IBM letter no. MP/Satna/Limestone/MPLN/R-13/ 2012-13 dated 18.04.2012.

Location & accessibility

Location of mining lease area	Village : Ramasthan Tehsil : Raghuraj Nagar District : Satna State : Madhya Pradesh
Geographical Co-ordinates	Latitude : 24 37 ⁰ 23.9 ⁰ N to 24 37 ⁰ 33.5 ⁰ N Longitude : 80°57'40.5 ⁰ E to 80°57'52.6"E
Total Mining Lease area	8.064 ha
Type of lease area	Government Land (Barren waste land)
Nearest Habitation	Ramasthan 0.75 kms north & Phutaundha at 1.2 km in NW.
Nearest Railway Station	Satna Railway station around 17 km.
Road Connectivity	The lease area is 15 kms from Distt. Headquarter Satna (M.P.). The area can be approached by own conveyance or by buses plying on Satna-Ramsthan PWD road via Babupur and Khajuraho airport is about 140 km from the lease area.
Altitude of the Site	310-313 m AMSL

Mining Details

[S.C. Jain, Chairman]

[Shri AP Srivastava, Member]

[V.Subramanian, Member]

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Mining Method	Opencast Other Than Fully Mechanized Method
Ultimate depth of mine	16 m (Upto 295 m AMSL)
Proposed Bench of mining pit	Height : 6.0 m Width : 6.0 ó 10.0m
Mineable Reserve Pre-Feasibility Mineral Resource	13,34,497 Tonnes 3,14,190 Tonnes
Stripping Ratio	1:0.5 (Ore:Over burden)
Rate of Production	1,25,000 TPA (1,00,000 TPA Limestone & 25,000 TPA Reject Stone)
Life of Mine	19 Years
Required Man Power	50
Water Requirement	15 KLD
Source of Water	Sump and Ground water from dug wells / bore wells
Use of Mineral	The Limestone of the lease area is of BF and cement grade. The mineral is intended for sale to steel and cement plants. Thus, there is always a good demand for the mineral in the domestic market.

Five year stage-wise Conceptual plan should also be presented as applicable.

SN	Particulars	Present land use pattern	5th year end	10th year	Mine Life / Lease Period End
1	Total area excavated (broken)	4.50	5.89	6.25	(7.134)
2	Area fully mined out (out of 1)	Nil	0.50	2.00	(7.134)
3	Area fully reclaimed by (Backfilled out of 2)	Nil	0.05	0.75	1.89
4	Area reclaimed by water harvesting	Nil	Nil	2.00	5.244
5	Total area under dumps	0.10	Nil	Nil	Nil
6	Area under active dumps	Nil	Nil	Nil	Nil
7	Area under mineral stack	Nil	Nil	Nil	Nil
8	Area under Road	0.05	0.05	0.05	Nil

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[S.C. Jain, Chairman]

[Shri AP Srivastava, Member]

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9	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	Nil	0.25	0.93	0.93
10	Area under infrastructure	0.10	0.10	0.10	Nil
Total		8.584	8.064	8.064	8.064

Water requirement (KLD)

Activity	Water requirement (KLD)	Source
Dust suppression and Drilling etc.	9.0	Ground water from dug wells/tube wells.
Green Belt	3.0	
Drinking and other domestic	3.0	
Total	15.0	

Scheme	Capital cost (in Rs)	Recurring cost (in Rs)
Drinking water facility	75,000	40,000
Rest shelter	50,000	20,000
Sanitation (Urinal and Toilet)	75,000	40,000
Total	2,00,000	1,00,000

Impact on change on land use particularly grazing/agriculture land

- " The mining operation will be confined within the ML area which is mostly waste land. Land use will be changed as the whole land will be mined out.
- " Reclamation has been planned concurrent with the overall planning of the mining activity.
- " This mining project will have deep pit but not ample overburden and waste material for reclamation purpose. As such maximum part will be converted in to water reservoir.
- " About 7.134 ha will be mined out.
- " The part of exhausted mine pit will be reclaimed with OB and wastes generated during the operations and rest is converted into water reservoir.
- " About 1.89 ha area will be reclaimed during conceptual period.
- " 5.244 ha area will be converted into water reservoir to store rain water.
- " About 3,800 trees will be planted in reclaimed area during conceptual period
- "

Details of greenbelt afforestation

- " The 1.89 ha mined out area will be reclaimed and rehabilitated by way of plantation of 3,800 trees during conceptual period.
- " The reclaimed area after consolidation & stabilization will be afforested with native species such as Mahua, Siris, Sagwan, Su babul, Pakain, Neem, Mango, Gulmohar, Sejha, Palash, Acacia Tora and Acacia Auriculiformis etc. will be planted.
- " Plant species will be planted with the assistance of local Forest Dept. experts and co-operation of the local community.

Budget for Socio Economic measures - Capital Cost

[S.C. Jain, Chairman] [Shri AP Srivastava, Member] [V.Subramanian, Member]

[V.R. Khare, Member] [K.P. Nyati, Member] [Ms Mohini Saxena, Member]

[R.K. Jain, MemberSecretary]

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Activities	Area of Investment	Method of calculation	Basics	Expenses(in Rs.)
a	Infrastructure development (education, medical, etc.			2,00,000
	Educational facilities	0.25 lakh per village	No. of Village : 2	50,000
	Medical facilities	0.5 lakh per village	No. of Village : 2	1,00,000
	Others	0.25 lakh per village	No. of Village : 2	50,000
b	Income Generation Activities	500 per head X unemployed population of nearest village	No. of unemployed population :200	100,000
	Total capital investment			3,00,000

Public hearing in general was favour in of the project. No adverse comments were observed. The EIA, EMP and other submissions made by the PP were found to be satisfactory and acceptable hence committee decided to recommend case for grant of prior EC subject to the following special conditions:

1. Green belt and other green cover shall be developed through plantation of thick canopy plants.
2. Disaster management Cell shall be formed involving local authorities, PP, Doctor and Police.
3. Need based CSR activities shall be taken up in schools in coordination with local authorities and Parent Teachers Association.

4. Case No. – 1726/2013 M/s S.N.S.(Minerals) Limited, Shri Himanshu Kothari, ED & Nominated Owner, Rewa Road, P.O. – Maihar, Distt. – Satna (M.P.) 485771 ToR. Jamuwani Khurd Limestone & Dolomite Mine at Khasra No. – 7P, 8, 9, 10, 11 P, 12, 13, 14 P, 16 P, 17, Village - Jamuwani Khurd, Tehsil – Vijayraghgarh, Distt- Katni (M.P.) Lease Area – 7.89 ha. Capacity – 200000 TPA .Env. Consultant : Green India Consulting (P) Ltd. NCR Gaziabad (U.P.)

This is a mining project comprising a lease area of 7.89 Ha and proposed production capacity of 2.0 Lac ton mineral per year. The project by virtue of its lease area and location falls under category BØ item 1 (a) of the Schedule of EIA Notification, hence requires prior EC before commencement of production. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR for the project to carry out EIA and prepare EMP for the project. The presentation and submissions made by the PP and his consultant reveals following:

Introduction

- M/s S.N.S. (Minerals) Limited, the lessee is a Limited Company and is having a lease of Limestone over an area of 7.89 Hectare at village Jamuani Khurd of Tehsil Vijayraghgarh, District Katni in the state of Madhya Pradesh.
- The mining lease was granted in favour of Shri Madan Lal Grover for 10 years period w.e.f. 14.09.1992 to 13.09.2002 over 8.49 ha. The 1st renewal was granted for subsequent 20 years period w.e.f. 14.09.2002 to 13.09.2022 over 7.89 ha.
- The mining lease has been transferred to present lessee, S.N.S. (Minerals) Limited vide order no. F3-18/08/12/2-A dated 07.04.2012 for balance years upto 13.09.2022. The transfer deed has been executed on 21.09.2012.

[S.C. Jain, Chairman]

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MINUTES OF STATE EXPERT APPRAISAL COMMITTEE**144th MEETING 30th October 2013****Land USE**

Land Type	Area in Sq km	Area in Ha	Area in %
Agriculture Land	79.45	7945	19.8
Forest Land	192.11	19211	47.9
Settlements	11.06	1106	2.8
Barren Land	14.20	1420	3.5
Water-bodies	4.51	451	1.1
Open Scrub & Grass	33.25	3325	8.3
Stone / Mine Query	5.54	554	1.4
Mixed Plantations	61.32	6132	15.3
Total	401.44	40144	100

Mining details

Total Mine Lease Area	7.89 Ha.
Total Mineral reserve	2855385 Tons
Life of Mine	20 Years
Ultimate Depth of Mining	30mmgl
Ground Water Level	35-40 m bgl
Total Water Requirement	15 cum per day
OB & Waste Generation	8000 TPD
Manpower	75
Maximum Annual Production	2,00,000 TPA

SN	Land Use	Present Land	Mine Life End
1.	Total Area Excavated (broken)	0.60	6.70
2.	Area fully mined out (out of 1)	Nil	6.70
3.	Area fully reclaimed (backfilled out of 2)	Nil	2.5

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4.	Area rehabilitated out of 3 by afforestation	NA	2.5
5.	Area rehabilitated by water harvesting	Nil	4.2
6.	Total area under dumps	0.75	Nil
7.	Area under active dumps	Nil	Nil
8.	Area under Infrastructure	0.005	Nil
9.	Area under roads	0.05	Nil
10.	Garland Drain & Bund	Nil	Nil
11.	Area under mineral stack	Nil	Nil
12.	Area under greenbelt (i.e. plantation on area other than dump and backfilled area)	0.10	1.19
13.	Undisturbed area	6.385	-
Total		7.89	7.89

Proposed environment management plan

SN	Particulars	Mitigation measures
1.	Air environment	Development of green belt around the periphery.
		Regular water sprinkling to suppress the dust within mine site.
		Proper maintenance of vehicles with proper check on exhaust emissions
		For dust suppression wet drilling will be carried out.
2.	Water environment	Garland drain will be made with settling pond
		No ground water table will be intersected
		No surface water-body will be disturbed
3.	Noise environment	Development of green belt around the periphery.
		Proper maintenance & optimum use of machineries.
		Blasting will be done during day time
4.	Land Environment	Proper plantation of green belt will be carried out around the periphery.

[S.C. Jain, Chairman]

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		Green Belt will be developed all along the boundary of the lease area in first five year and re plantation will be done to maintain the survival rate.
5.	Socio Economy	Local people will be given employment depending on their skill.
		Developmental activities will take place in consultation with local panchayats.
		Education, safety campaigns will be carried out in nearby villages.

After deliberations committee has approved the TOR with inclusion of following points to carry out EIA and prepare EMP for the project:

1. Current mining Plan duly approved from competent authority shall be submitted along with the EIA.
2. Distance from the nearest forest boundary is reported to be 10 meters hence NOC from the concerned Forest committee has to be obtained and submitted.
3. As informed that baseline data collection has already been initiated the same can be used in the EIA report.
4. Other standard TOR shall be applicable.

5. Case No. - 660/2012 Smt. Kiran Bhassen W/o Shri Mohan Bhassen R/o Shiv Dham, Station Road P.O. – Katni (M.P.) – Bichhia Laterite & Fire Clay Deposit at Khasra no. P 409, Village- Bichhia Tehsil- Murwara ,Distt. – Katni (M.P) Area- 12.13 Ha. Proposed Capacity – 40,000 TPA. Env. Consultant : GRC I. (P) Ltd. Noida (U.P.) ToR issued vide letter no 163 dt.18/04/12 EIA Presentation

This is a mining project comprising lease area of 12.13 Ha. The EIA report submitted by the PP was forwarded by SEIAA to SEAc for appraisal and necessary recommendations. PP and his consultant presented the case before the committee which reveals following:

Background of the Project

- É Mining lease was granted to proponent for 20 years period w.e.f. 28.07.2008 to 27.07.2028 for mining of Laterite and Fire clay.
- É The mining plan has been approved on 24.09.2004 and Scheme of mining on 22.04.2013, by Indian Bureau of Mines vide Letter No.-MP/Katni/Laterite/M.Sch-76/12-13.
- É The proposal is for the production of 40,000 TPA.
- É The honorable MPSEAC has issued project TOR vide letter No: 163/PS-MS/MPPCB/SEAC/TOR (88)/2012, dated 18.4.2012 (Case no. 660/2012)
- É Environmental Study: March 2012 to May 2012
- É Public Hearing for the project was completed on 19/07/2013.

Location & accessibility

Location of mining lease area	Village : Bichhia
	Tehsil : Murwara
	District : Katni
	State : Madhya Pradesh

[S.C. Jain, Chairman]

[Shri AP Srivastava, Member]

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[R.K. Jain, MemberSecretary]

MINUTES OF STATE EXPERT APPRAISAL COMMITTEE**144th MEETING 30th October 2013**

Geographical Co-ordinates	Latitude : 23° 44'38.4" to 23° 44'52.0" N Longitude : 80° 27'51.8" to 80° 28'4.9" E
Total Mining Lease area	12.13 ha
Type of lease area	Government Land (Waste land)
Nearest Habitation	Bichhia about 1 km in North and Kevlari about 1 Km in NW
Nearest Railway Station	Jhalwara about 2.5 kms in North
Road Connectivity	The lease area is approachable from district head quarter Katni via Chaparwaha, Gatakhera and Keolari towards Deori Hatai. It is 12 kms from Katni towards south east.
Altitude of the Site	413-442 m AMSL

Mining details

Mining Method	Opencast Other Than Fully Mechanized Method
Ultimate depth of mine	5m bgl (Upto 408 m AMSL)
Proposed Bench of mining pit	Height : 5.0 m Width : 6.0 m
Mineable Reserve Pre-Feasibility Mineral Resource	11, 66,842 Tonnes 1, 26, 735 Tonnes
Stripping Ratio	1:0.12 (Ore:Over burden)
Rate of Production	40,000 TPA
Life of Mine	30 Years
Required Man Power	50
Water Requirement	12 KLD
Source of Water	Open wells and tube wells in the nearby Bichhia village
Use of Mineral	The grade of laterite is cement grade. The grade varies from Fe ó 35% - 45%. Fire clay will be used in the production of heat resistant clay items, such as the crucibles used in metals manufacturing

[S.C. Jain, Chairman]

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Details of minerals transportation and its impact have to be evaluated and presented.

During Mine operation

Total Capacity of mine	: 40,000 TPA
No. of working days	: 275 days
Average Production per day	: 145 tonne
Truck Capacity	: 10 tonne approx
Average No of truck trips per day	: 15
Working Hours per day	: 8 hours
No. of trucks deployed/hr	: 2 trucks approx
No. of PCU/day ó both way	: 15*2*4 =120
No. of trucks deployed/day due to adjacent Bichhia Laterite & Fire Clay Mine:	27 trucks
No. of PCU/day ó both way	: 27*2*4 =216
Total No. of PCU/day	

Five year stage-wise Conceptual plan should also be presented as applicable.

SN	Land use	Existing (ha)	5 th year end (ha)	Mine life end (ha)
1	Total area excavated (broken)	0.12	1.864	(11.065)
2	Area fully mined out (out of 1)	Nil	1.50	(11.065)
3	Area fully reclaimed (Backfilled out of 2)	Nil	Nil	(11.065)
4	Area rehabilitated out of 3 by afforestation	Nil	Nil	11.065
6	Total area under dumps	0.10	0.3744	Nil
7	Area under active dumps	Nil	0.3744	Nil
8	Area under mineral stack	Nil	Nil	Nil
9	Area under Road	Nil	0.10	Nil
10	Protective Bund and Drain	Nil	0.47	Nil
12	Area under Green belt	Nil	0.375	1.065
13	Area under infrastructure	Nil	0.10	Nil
14	Undisturbed Area	11.83	6.97	Nil
	TOTAL	12.13	12.13	12.13

Details of greenbelt afforestation

Year	Plantation during the year (No. of saplings)	Area covered during the year			Survival rate%	
		BF Area Nos./Area (sqm)	Dumps No. Area (sqm)	Green belt No/ Area (sqm)		
1st ó 5 th	750	Nil	Nil	750/3750		80
6th ó 10th	3380	2000/10000	Nil	1380/6900		80
11th ó 15th	3000	3000/15000	Nil	Nil		80

[S.C. Jain, Chairman]

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16th to 20th	4000	4000/20000	Nil	Nil	80
21st-25th	7000	7000/35000		Nil	80
Conceptual Period	6130	6130/30650	Nil	Nil	80
Total	24260	22130/ 110650	Nil	2130/10650	

Budget for Socio Economic measures: Capital Cost

Activities	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
a	Infrastructure development (education, medical, etc.)			85,000
	Educational facilities	Rs.0.5 lakh per village	No. of Village : 1	50,000
	Medical facilities	Rs. 0.25 lakh per village	No. of Village : 1	25,000
	Others	Rs. 0.1 lakh per village	No. of Village : 1	10,000
b	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population :50	25,000
	Total capital investment			1,10,000

Recurring Expenses

Activities	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
a.	Corporate Social Responsibility	Total production X Revenue per ton X 2%		2,00,000
c.	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population : 50	25,000
d.	Community Health checkup	Rs. 0.5 lakh per village X Affected village due to this mining	Anticipated No. of Village : 1	50,000
Total				2,75,000

After deliberations committee observed that another project is proposed adjacent to this project (Case No 672/2012) hence PP was asked to submit cumulative impacts expected from the two mines and present the same in the next meeting to be held in November 2013.

- 6. Case No. - 672/2012 Shri Ram Dulare Sondhiya R/o Nai Basti , P.O. & Distt. Katni (M.P.) 483501EIA Presentation.** *Bichhiya Laterite & Fire Clay Deposit Khasra No. P 409 at Village – Bichhiya, Tehsil – Murwara, Distt. – Katni (M.P.) Lease area – 9. 084 ha.*

[S.C. Jain, Chairman]

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Capacity – 75,000 TPA . Env. Consultant : GRC I. (P) Ltd. Noida (U.P.1. ToR issued vide letter no 311 dt. 22/06/12 2. Revised ToR issued vide letter no 383 dt. 18/07/12

This is a mining project adjacent to the above mentioned project. The EIA report submitted by the PP was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. The presentation and submissions made by the PP reveals following:

Background of the Project

- É Mining lease is granted vide state govt. order No. F3-5/2003/12/2 dated 15.07.2004 for 20 years period w.e.f. 14.09.2004 to 13.09.2024 under the provisions of MMDR Act 1957 for mining of Laterite and Fire clay.
- É Mining plan of this project was approved by the IBM; vide letter Dated 25.02.2004 and Scheme of Mining vide Letter No.-MP/Katni/Laterite/M.Sch-77/12-13 dated 23.04.2013.
- É The proposal is for the production of 75,000 TPA.
- É The honorable MPSEAC has issued project TOR vide letter No: 311/PS-MS/MPPCB/SEAC/TOR (93)/2012, dated 22.06.2012 (Case no. 672/2012)
- É Environmental Study: Oct 2012 to Dec 2012
Public Hearing for the project was completed on 19/07/2013.

Location & accessibility

Location of mining lease area	Village : Bichhia, Tehsil : Murwara District : Katni
Geographical Co-ordinates	Latitude : 23° 44ø40.1ö to 23° 44ø53.1ö N Longitude : 80° 28ø4.5ö to 80° 28ø15.3ö E
Total Mining Lease area	9.084 ha
Type of lease area	Government Land (Waste land)
Nearest Habitation	Bichhia about 1 km in North and Kevlari about 1 Km in NW.
Nearest Railway Station	Jhalwara about 2.5 kms in North
Road Connectivity	The lease area is approachable from district head quarter Katni via Chaparwaha, Gatakhera and Keolari towards Deori Hatai. It is 12 kms from Katni towards south east.
Altitude of the Site	412-442 m AMSL

Mining details

Mining Method	Opencast Other Than Fully Mechanized Method
Ultimate depth of mine	5m bgl (Upto 409 m AMSL)
Proposed Bench of mining pit	Height : 4.0 m Width : 6.0 m
Mineable Reserve Pre-Feasibility Mineral Resource	7, 45, 478 Tonnes 84, 752 Tonnes

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Stripping Ratio	1:0.12 (Ore:Over burden)
Rate of Production	75,000 TPA
Life of Mine	11 Years
Required Man Power	50
Water Requirement	15 KLD
Source of Water	Open wells and tube wells in the nearby Bichhia village

Post Mine Land use Pattern

SN	LAND USE	Existing (ha)	5th year end (ha)	End of Mine Life (ha)
1	Total area excavated (broken)	0.005	1.428	(8.1937)
2	Area fully mined out (out of 1)	Nil	Nil	(8.1937)
3	Area fully reclaimed (Backfilled out of 2)	Nil	Nil	(8.1937)
4	Area rehabilitated out of 3 by afforestation	N/A	Nil	8.1937
5	Area rehabilitated by water harvesting	Nil	Nil	Nil
6	Total area under dumps	0.005	0.3744	Nil
7	Area under active dumps	Nil	0.3744	Nil
8	Area under road	Nil	0.10	Nil
9	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	Nil	0.20	0.8903
10	Area under infrastructure	Nil	0.10	Nil
11	Protective Bund and Drain	Nil	0.29	Nil
12	Undisturbed Area	9.074	6.217	Nil
	TOTAL	9.084	9.084	9.084

The stage wise plantation under Green Belt Development Plan

Year	Green belt (No. of Plants/ Area in Ha.)	Reclamation/Rehabilitation (No. of Plants/ Area in Ha.)
1st to 5th	1000/0.50	3200/1.60
6th to Lease period end	800/0.3903	13200/6.5937
Total	1800/0.8903	16400/8.1937

Details of minerals transportation and its impact have to be evaluated and presented.

During Mine operation

Total Capacity of mine : 75,000 TPA
 No. of working days : 275 days
 Average Production per day : 272 tonne

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Truck Capacity	: 10 tonne approx
Average No of truck trips per day	: 27
Working Hours per day	: 8 hours
No. of trucks deployed/hr	: 4 trucks approx
No. of PCU/day ó both way	: 27*2*4 =216
No. of trucks deployed/day due to adjacent Bichhia Laterite & Fire Clay Mine:	15 trucks
No. of PCU/day ó both way	: 15*2*4 =120
Total No. of PCU/day	: 336

Mine Geometry

Description	Detail
Bench Height and Width	Height :5m Width : 6 m
Ultimate pit depth	Up 5 m bgl or 409 m AMSL

Water Conservation Plan

- ~ The mining is proposed above ground water table. No ground water table will be intersected.
- ~ The rain water accumulating in this area will be used for dust suppression and green belt development, thus conserving the water requirement for mine use, so as not to depend upon other natural resources.
- ~ Backfilled mined out area will accommodate large quantity of water, helping in recharging aquifers.

Budget for Socio Economic measures : Capital Cost

Activ ities	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
a	Infrastructure development (education, medical, etc.			75,000
	Educational facilities	Rs.0.25 lakh per village	No. of Village : 1	25,000
	Medical facilities	Rs. 0.25 lakh per village	No. of Village : 1	25,000
	Others	Rs. 0.25 lakh per village	No. of Village : 1	25,000
b	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population :50	25,000
	Total capital investment			1,00,000

Recurring Expenses

Acti vitie s	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
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a.	Corporate Social Responsibility	Total production X Revenue per ton X 2%		4,00,000
c.	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population : 50	25,000
d.	Community Health checkup	Rs. 0.5 lakh per village X Affected village due to this mining	Anticipated No. of Village : 1	50,000
Tota 4,75,000				

After deliberations committee observed that another project is proposed adjacent to this project (Case No 672/2012) hence PP was asked to submit cumulative impacts expected from the two mines and present the same in the next meeting to be held in November 2013.

7. Case No. – 1670/2013 Shri Kishan Pal Singh R/o Mahindra Nagar, Nawada Bag Colony, Bhind Distt. - Bhind (M.P.) Gohad Stone Quarry, at Khasra No.- 04, Village – Gohad, Tehsil – Gohad, Distt. – Bhind (M.P.) Lease Area – 3.0 ha. Capacity – 799730 Tonnes Per Year (Existing Capa. -5000 Tonnes Per Year), Lease Period – 10 Year.

Neither the Project Proponent 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. Hence Committee decided to return the case to SEIAA for further necessary action in the matter.

8. Case No. - 1363/2013 Smt. Asha Agarwal W/o Late Shri Mukesh Kumar Agarwal, Deepshikha Building, Civil Line, Shahdol (M.P.) 484001M/s Shruti Industries, at Khasra No. – 804/1 kha, Village – Mardari, Tehsil- Nowrozabad, Distt. – Umariya (M.P.). Lease Area – 2.00 Ha Capacity – 25,000 Cubic Meter/Year, Lease Period - 10 Year.

This is a case of mining of stone. The proposed site is located at *Khasra No. – 804/1 kha, Village – Mardari, Tehsil- Nowrozabad, Distt. – Umariya (M.P.)* in 2.0 Ha. The project requires prior EC before commencement of any activity at site. Earlier the case was scheduled for hearing in the meeting dated 04/06/2013. PP requested for considering his case in the coming meetings vide letter dated 26/04/2013. PP presented the salient features of the project before the committee. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose.

The requisite information has been submitted by the PP and the same was placed before the committee. Based on the submissions made by the PP the case was recommended for grant of prior EC subject to the following special conditions:

1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department the appropriate amount as estimated for the activity

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- by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.
 3. PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
 4. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
 5. Transportation of material shall be done in covered vehicles.
 6. Curtaining of site shall be done using appropriate media.
 7. Production of stone boulder shall be restricted to *12500 m³/Year and the average depth of the pits shall not exceed 7.00m at the end of 10 years.*
 8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
 9. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
 10. Transportation shall not be carried out through forest area.
 11. PP shall take CSR activities in the region through the Gram Panchayat.
 12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

9. Case No. - 1366/2013 Shri Yogesh Kumar Agrawal M/s Superb Chips Industry (Stone Boulder Quarry with Crusher), Deepshikha Building, Civil Line, Shahdol (M.P.) 484001
M/s Superb Chips Industries, at Khasra No. – 453/479 and 453/1, Village – Bandhwatola, Tehsil- Nowrozabad, Distt. – Umariya (M.P.) Lease Area – 2.00 Ha Capacity – 25,000 Cubic Meter/Year, Lease Period - 10 Year.

This is a case of mining of stone. The proposed site is located *Khasra No. – 453/479 and 453/1, Village – Bandhwatola, Tehsil- Nowrozabad, Distt. – Umariya (M.P.) in 2.0 Ha.* The project requires prior EC before commencement of any activity at site. Earlier the case was scheduled for hearing in the meeting dated 04/06/2013. PP requested for considering his case in the coming meetings vide letter dated 26/04/2013. PP presented the salient features of the project before the committee. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose.

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1. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department the appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
2. The final EMS as proposed by the PP and the budgetary provisions for its implementation shall be approved by the Collector and shall be submitted to SEIAA.

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3. PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be restricted to *12500 m³/Year and the average depth of the pits shall not exceed 7.00m at the end of 10 years.*
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

10. Case No. - 1377/2013 Shri Rakesh Agarwal, Owner, M/s Rakesh Stone Crushing Industry, Ward No. – 11, Civil Lines - Shahdol Distt. – Shahdol – 484001 (M.P.) *M/s Rakesh Stone Crushing Industries, at Khasra No. – 362, Village – Kanchanpur, Tehsil- Sohagpur, Distt. – Shahdol (M.P.) Lease Area – 1.00 Ha. Capacity – 10,000 Cubic Meter/Year, Lease Period - 10 Year.*

This is a case of mining of stone. The proposed site is located at *at Khasra No. – 362, Village – Kanchanpur, Tehsil- Sohagpur, Distt. – Shahdol (M.P.) in 1.0 Ha.* The project requires prior EC before commencement of any activity at site. Earlier the case was scheduled for hearing in the meeting dated 04/06/2013. PP requested for considering his case in the coming meetings vide letter dated 26/04/2013. PP presented the salient features of the project before the committee. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose.

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3. PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.

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5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.
7. Production of stone boulder shall be restricted to $6200 m^3/\text{Year}$ and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat.
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

11. Case No. 1476/2013 Shri Yogesh Kumar Agarwal, Deepshikha Building, Civil Line, Shahdol Distt. – Shahdol (M.P.) - 484001 M/s Superb Chips Industry (Stone Boulder Quarry with Crusher) at Khasra No. – 19/1, Village – Mardari, Tehsil- Nowrozabad, Distt. – Umariya (M.P.) Lease Area – 2.00 Ha. Capacity – 25,000 Cubic Meter/Year, Lease Period – 10 Year.

This is a case of mining of stone. The proposed site is located at *Khasra No. – 19/1, Village – Mardari, Tehsil- Nowrozabad, Distt. – Umariya (M.P.) in 2.0 Ha*. The project requires prior EC before commencement of any activity at site. Earlier the case was scheduled for hearing in the meeting dated 04/06/2013. PP requested for considering his case in the coming meetings vide letter dated 26/04/2013. PP presented the salient features of the project before the committee. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose.

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4. Air pollution control measures for crusher have to be installed as per the recommendation of MPPCB.
5. Transportation of material shall be done in covered vehicles.
6. Curtaining of site shall be done using appropriate media.

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7. Production of stone boulder shall be restricted to $12500\text{ m}^3/\text{Year}$ and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
8. The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
9. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

12. Case No. – 1494/2013 Smt. Asha Agarwal, W/o Late Sh. Mukesh K. Agarwal, deepshikha Building, Civil line, Shahdol(MP)-484001 Stone Boulder Quarry , at Khasra No. – 511 Village Amadongri Tehsil- Nowrozabad , Dist . Umaria (M.P.) Lease Area –2.0 Ha. Capacity 25,000.00 M^3/Year , Lease Period -temporary.

This is a case of mining of stone. The proposed site is located at Khasra No. – 511 Village Amadongri Tehsil- Nowrozabad , Dist . Umaria (M.P.) in 2.0 Ha. The project requires prior EC before commencement of any activity at site. Earlier the case was scheduled for hearing in the meeting dated 04/06/2013. PP requested for considering his case in the coming meetings vide letter dated 26/04/2013. PP presented the salient features of the project before the committee. It was submitted by the PP that after the Project is completed the proposed land will be converted into pond which will be used for irrigation purpose.

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9. The validity of the prior EC & the lease shall be for a maximum period of ten years only.
10. Transportation shall not be carried out through forest area.
11. PP shall take CSR activities in the region through the Gram Panchayat
12. The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

The meeting ended with thanks to the Chair and the members.

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