

MINUTES OF STATE EXPERT APPRAISAL COMMITTEE

137th MEETING 24th July 2013

The meeting conducted on 24th July 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. Prof. V. Subramanian, Member
4. Shri A.P. Srivastava, Member
5. Shri V.R. Khare, 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.

Discussion on Inspection Report of visiting Sub-Committee-

- I. **Katni Marble Mines Region - Date of visit:** 24th June 2013.- **Projects: Case No. 1150/2013-** *Shri Kesarinandan Marbles Pvt. Ltd., 207- 208, Neelkanth Apartments, Bhavani Singh Road, Jaipur (Raj.) Amoch Marble Mine M/s Kesarinandan Marbles Pvt. Ltd., Lease Area – 2.21 Ha. at Khasra No. – 123 & 124, Village – Amoch, Tehsil – Bahoriband, Distt. – Katni (M.P.) and other Marble Mines in the region.*

The visit report was placed on board for discussion. The observations made by the visiting sub-committee and the suggestions made thereby were accepted by the committee. It was decided by the committee that the findings and suggestions may be forwarded to SEIAA for approval and comments of SEIAA.

- II. **Case No. – 1660/2013** **Shri Neeraj Shrivastva, M/s S.S. Enterprises, 40, APR Colony, Katanga, P.O. – Jabalpur, Distt. – Jabalpur (M.P.) 482001 For – ToR** *Enhancement in Production Capacity of Gosalpur Laterite, Ochre, Iron Ore, Manganese Mine Lease Area – 39.44 ha. at Khasra No.-, Village - Gosalpur, Tehsil – Sihora, Distt. – Jabalpur (M.P.) Capacity – 10.96 Lakh- TPA, (Existing Capa. -7.5 Lakh- TPA) Lease Period – 20 Year*

The visit report was placed on board for discussion. The observations made by the visiting sub-committee and the suggestions made thereby were accepted by the committee. It was decided by the committee that the findings and suggestions may be forwarded to SEIAA for approval and comments of SEIAA.

- III. Next month's meetings were decided to be held on 29th and 30th August 2013.

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

1. **Case No. – 664/2012** **Shri Himanshu Kothari, ED, M/s S.N.S. (Minrals) Ltd., P.O. - Maihar, Distt. -Satna (M.P.) - 485771** *Tamoria Limestone, Dolomite and Reject Stone Mine, Area – 42.567 ha. for production capacity of 5,00,000 TPA at Village- Tamoria, Tehsil – Maihar, Distt. – Satna (M.P.), ToR issued vide letter no 167 dt.18/04/12* **EIA Presentation.**
Env. Consultant: GRC (I) Ltd., Noida (U.P.)

This is a case of mining of limestone, dolomite and reject stone from an area of 42.567 Ha. The production capacity proposed is 5.0 lac T/ Year. TOR was issued to carry out EIA and prepare EMP vide letter dated 18/04/2012. EIA submitted by the PP was forwarded by SEIAA to SEAC for

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appraisal. The EIA report and proposed EMP, DMP were presented by the proponent and his consultant before the committee in this meeting. The presentations reveal following:

Background of the project

- M/s S.N.S. (Minerals) Ltd is lease holder of Tamoria Limestone & Dolomite Mine over an area of 42.567 ha at Village: Tamoria, Taluka: Maihar District: Satna, M.P.
 - The Mining plan was approved under Rule 22 of MCR 1960 on 22.03.2001 vide Letter No.MP/Satna/Limestone / MPLN/G-24/2000-01.
 - The Scheme of Mining was approved under Rule 12(3) of MCDR 1988 on 31.08.2007 vide Letter No. MP/Satna/Limestone /M-Scheme-22/07-08/3029.
 - The last Scheme of Mining was approved by IBM Nagpur vide letter NO.314 (3)/2011-MCCM (CZ)/S-68 dated 4/05/2012.
 - The existing production of the mine is 55,000 TPA and the expansion production of the mine is 5,00,000 TPA, life of the mine will be 36 years as per targeted production.
- Public Hearing for the project was completed on 16th November 2012

Location of mining lease area	Village : Tamoria, Tehsil: Maihar, District: Satna
Geographical Co-ordinates	Latitude: 24°17'58.5" to 24°18'21.4" N Longitude: 80°53'37.7" to 80°54'16.7" E
Total Mining Lease area	42.567 ha
Type of lease area	Revenue Land
Nearest Habitation	Tamoria at 1.0 kms
Nearest Railway Station	Maihar at 17 kms
Road Connectivity	Maihar is 38 Km from Satna on P.W.D. road while Bhatia turning is 13 Km on Maihar- Rewa N.H. -7
Altitude of the Site	325-332 m AMSL

Mining Details

Mining Method	Opencast Fully Mechanised Method
Ultimate depth of mine	25 m depth
Proposed Bench of mining pit	Height : 5.0 – 6.0 m, Width : 10.0 m
Mineral Reserve	1,25,70,100
Stripping Ratio	1:1.20
Rate of Production	5,00,000 TPA (Limestone +Reject stone TPA)
Life of Mine	36 Years
Required Man Power	150
Water Requirement	30 m ³ /day
Source of Water	Sump and Ground water from dug wells / bore wells
Use of Mineral	Limestone will be supplied to Steel and Cement. The

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	reject stone will be used after sizing as road metal & building material.
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Environment Management Plan

Air Pollution Control Measures

- Dust suppression system to be adopted at drilling site or dust extractor to be provided.
- Wet drilling arrangements will be made.
- Dust masks will be provided to all workers on site.
- Plantation of trees and tall grass along approach roads and on barrier zones will be done to help suppress the dust.
- All haul roads will be maintained regularly.
- Water will be sprayed daily on the roads by using water tankers.
- Avoiding over filling of tippers and consequent spillage on the road.
- Ore carrying trucks will be effectively covered by tarpaulin.

Noise Pollution Control Measures

- Workers equipped with PPE at work place.
- Maintenance of Green belt in and around the mine.
- Avoiding overloading of the trucks.
- Proper gradient of haul roads to reduce cumulative noise.
- Transportation of materials will be limited to day hours only.
- Proper maintenance, oiling and greasing of machines at regular intervals will be done to reduce the generation of noise.
- Blast holes will not be overcharged.
- The vibrations due to blasting will be minimum, as controlled blasting with delay detonators will be done.

Water Pollution Control Measures

- Garland drains will be constructed around the dump areas to prevent the runoff water of the mine into the surface drainage channel.
- Providing sufficient gully checks & check dams to protect surface run-off.
- Provision of retention walls at the foot of the dumps.
- The excavated pit will be used as water resources and available for rain water harvesting.
- The domestic waste water will be reused for plantation purposes.

Post Land use Pattern

S.N	Land Use	End of Mine Life
1	Total area excavated (broken)	40.0
2	Area fully mined out (out of 1)	40.0
3	Area fully reclaimed (Backfilled out of 2)	11.50
4	Area rehabilitated out of 3 by afforestation	11.50
5	Area reclaimed by water harvesting	28.50
6	Total area under dumps	Nil
7	Area under active dumps	Nil
8	Area under mineral stack	Nil
9	Area under Green belt (i.e. plantation on area other than dump and backfilled area)	2.567
10	Area under infrastructure	Nil
11	Undisturbed area	Nil
	TOTAL	42.567

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The Year wise plantation under Green Belt Development Plan

YEAR	BACKFILLED AREA		GREEN BELT		SURVIVAL RATE
	AREA (Ha.)	NOS	NOS	AREA (Ha.)	
1 st			2000	1.0	85%
2 nd	Nil	Nil	2000	1.0	80%
3 rd	3.0	6000	1300	0.567	80%
4 th	3.0	6000	Nil	Nil	80%
5 th	3.0	6000	Nil	Nil	80%
Conceptual Period	2.50	5000	Nil	Nil	
TOTAL	11.50	23000	5300	2.567	80%

Budget for Socio Economic measures

Activ ities	Area of Investment	Method of calculation	Basics	Expenses (in Rs.)
a	Infrastructure development (education, medical, water shelter & sanitation at lease area etc.			4, 50,000
	Educational facilities	Rs.0.5 lakh per village	No. of Village : 1	50,000
	Medical facilities	Rs. 0.5 lakh per village	No. of Village : 1	50,000
	Others	Rs. 0.5 lakh per village	No. of Village : 1	50,000
b	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population :200	100,000
	Total capital investment			5,50,000

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%		500,000
b	Income Generation Activities	Rs. 1000 per head X unemployed population of nearest village	No. of unemployed population : 200	200,000
c.	Community Health checkup	Rs. 0.5 lakh per village X Affected village due to this mining	Anticipated No. of Village : 2	100,000
Total				8,00,000

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- Environmental Clearance (EC) had been granted by the M.P. SEIAA for production of 55,000 TPA of limestone via letter vide no. No:254/EPCOSEIAA/10, dated 26.07.2010.
- Status of Compliance of the EC in respect of our Tamoria Limestone & Dolomite Mine, in Village: Tamoria, Tehsil: Maihar, District: Satna (M.P.) over an area 42.567 ha had been submitted to Regional Office of MoEF, Bhopal.

Public Hearing proceedings and various issues raised were discussed at length. PP submitted written commitment during the meeting for various compliances committed during the public hearing, such as removal of reject-stones, acquisition of land etc. Also PP has submitted an affidavit that the production rate shall be adjusted such that the ground-water is not intersected. Report pertaining to compliances of EC conditions has been submitted by the PP through MoEF. The compliances were discussed during the meeting. After deliberations committee observed that the submissions made by the PP including the EIA report, EMP and the compliances of EC conditions are satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

- Top soil shall be staked separately and shall be used for plantation only.
- Maximum height of the OB dumps shall be restricted to 20 meters with appropriate angle of repose.
- The rejected stones staked towards the boundary and in the area adjoining the neighbouring land shall be removed along with the other activities.
- Appropriate garland drain all around the OB dumps shall be constructed and connected to settling tank.

2. Case No. 658/2011 Mr. P. C. Jain, M/s Eastern Minerals, Reg. Off. – 35, Vivekanand Marg, Cantonments, Jhansi (U.P.) 284001 - Khera (2) Expansion Case: Pyrophyllite – From 2000 MTPA to 6000MTPA & Diaspore – from 100 MTPA to 300 MTPA, Area – 7.04 ha. (Existing Capacity - Pyrophyllite – 2000 MTPA, Diaspore – 100 MTPA, Area – 7.04 ha) at Khasra No. 1354/1, 1201, Village – Khera ,Tehsil- Jatara , Distt.- Tikamgarh (M.P.) **For – EIA Presentation. ToR issued vide letter no. 72 dt. 29/02/12, **Env. Consultant: Creative Enviro Services, Bhopal(M.P.) Existing EC issued by MoEF vide letter no. J-11015/86/2006-IA.II(M) dated 14/08/2007.****

This is a case of expansion of mining project proposed in an area of 7.04 Ha. at *Khasra No. 1354/1, 1201, Village – Khera ,Tehsil- Jatara , Distt.- Tikamgarh (M.P.)*. Mining of Pyrophyllite and Diaspore is being carried out presently. Project has valid EC issued by MoEF, Delhi. The case has been submitted for revised EC in view of proposed enhancement in the production capacity. TOR was issued vide letter dated 13/01/2012. The mine lease is adjoining the lease area of other mine of the same proponent mentioned at Case no. 658/2011.

EIA report submitted by the PP was received through SEIAA for appraisal. EIA and EMP were presented by the PP and his consultant. The same were discussed at length in the meeting. Public hearings proceedings were also discussed in detail during the meeting. The submissions and presentation made by the PP and his consultant reveals following:

Nearest City	Tikamgarh 18 km from Mine
Nearest Railway Station	Niwari 70 km from lease area.
Nearest Airport	Khajuraho 165 km from the mines by road
Nearest Highway	Tikamgarh-Jhansi NH-12 is 14 km from mine.
Nearest Village	Khera at 400m

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Nearest River	Jammi River 6.8 km
Topography	Mount shape
Ecological Sensitive Zone	No national parks and sanctuary within 10 km radius
Nearest Industries	None within 10 km radius
Inter state boundary	More than 10 km.

Location

District/State	Tahsil	Village	Khasara No.	Area	
Tikamgarh (MP)	Jatara	Khera	1354/1, 1201	7.04 ha	Lat: 24 ^o 53' 11.41" to 24 ^o 53' 11.53"N Long: 78 ^o 47' 51.22 " to 78 ^o 48' 50.16 " E
			Total	7.04 ha	

Breakup of Project Cost

Capital Investment		
S.No.	Particular	Expense (in Lacs)
1.	Land	8.18
2.	Mining	4.97
A.	Cost for infrastructure, tools, equipments & Mining Plan etc.	11.09
3.	Environmental Protection	1.03
A.	Pollution Control (check dam, garland drain protective bund etc.	2.09
B.	Tarpaulin Control cover for stack of ore	0.86
4.	Occupational Health & Safety	0.97
A.	Infrastructure & PPEs	0.34
	Total Capital Investment	29.53

Salient feature of 2 km radius

- Khera Village is 400 m from mine site.
- Gram Panchayat Bhavan Khera.
- Three Other Mine of diaspore & pyrophyllite.
- Primary School Khera.
- Barwaha Village is 1.8 km in South direction.

Minerals & Capacity

Proposed: - Pyrophyllite – 6000 MTPA, Diaspore – 300 MTPA

Existing: - Pyrophyllite – 2000 MTPA, Diaspore – 100 MTPA

Existing land use of lease area

Particulars	Area in (ha)
Pits and Quarries	0.422
Dumps	0.126
Existing plantation	1.36
Haul Road	0.376
Stack yard	0.022

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Rest Shelter	0.005
Balance Undisturbed area	4.66
Total	7.04

Mining Method

Expansion in mining shall be carried out opencast semi mechanized method with conventional hand tools, drilling & blasting in being carried out occasionally. Pyrophyllite is being exploited manually, loaded in trucks/dumpers & stack in the stack yard, sorting, sizing, dressing and breaking is being carried out manually. A different grade of Phyrophyllite is being stack separately and transported to Newari, where grinding unit has been installed. All the muck lying on the pit bottom and waste dump lying the surrounding the quarry will be relocated on these marked dumping area. The waste will be dumped separately over the existing dumping ground.

Water Requirement

Head	Quantity
Dust suppression	5.0 kld
Green belt	1.5 kld
Domestic	1.5 kld
Total	8.0 kld

Source: It was submitted that the required water will be taken from existing mine pits.

Public Hearing Details

- ❖ Public hearing was conducted on 26.09.2012, at Grampanvhayat Bhavan at Village Khera.
- ❖ 40 people have attended the hearing and a common opinion has been observed for the mining activity that employment should be given to local villagers. 17 of them registered their opinion in writing.
- ❖ During public hearing people of the nearby area have told that socio economic condition in the vicinity will improved due to employment generation, mining project stop the migration.
- ❖ During public hearing people wants for more plantation.
- ❖ Plantation should be carried out near temple.
- ❖ During the public hearing the company has committed, this area will covered under the CSR activity of the company.

Action Plan for Implementation of PH Commitment (Khera I & Khera II Mine)

Particular	Commitment	Budget
Plantation	Plantation shall be carried out in 2.03 ha lease area within 5 years. 600 plants shall be planted every years	Rs. 4,41,000/- in next five years.
Plantation near temple	100 plants / species shall be planted near the temple within a year.	Rs. 8,000/-
Maintenance of Temple	We will take care of maintenance of temple by the way of white washing every year and general maintenance as and when required.	Rs. 10,000/- per year.

Proposed EMP:

Air Environment

Dust Source	Control Measures
Haul Road	Regular water Spraying

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Truck Movement	Overloading of trucks shall be avoided Trucks shall be covered while transporting ore. Speed limit shall be maintained. Regular monitoring of the exhaust Proper maintenance of trucks
Waste dumps	Dumps are reported to be adequately sloped. The non active sides of the dump will be vegetated with fast growing grasses.
Mine working	Regular water spraying in working areas. Green belt surrounding ML. Wet drilling or dust extractors to be provided. Personnel protective equipment like dust mask, ear muffs/plugs and goggles is being provided to workers.

Noise Environment

- Earmuffs, ear plugs, etc. is being provided to workers in noisy area.
- Regular maintenance shall be carried out for equipments and various machineries.
- Road side plantation will be carried out.
- The sufficient green belt proposed to control noise levels.

Water Environment

- Drain water shall be passed to a settling tank to allow heavy particles to settle before discharge of drain water, to avoid siltation of agriculture fields up to some extent.
- It shall be ensured that silt content in the mines discharged is minimum.
- The mine site shall be well equipped with basic sanitary facilities like well designed latrine followed by septic tanks to avoid open defecation.
- Garland drain shall be provided to all overburden and topsoil dumps.

Plantation:

It was submitted that plantation shall be carried out in 2.32 ha. Rs. 43200/- shall be yearly budget for plantation for next five years and separate ledger shall be maintain for plantation purpose.

Year	No. of trees proposed to be planted	Expected Survival rate
1 st	600	80%
2 nd	600	80%
3 rd	600	80%
4 th	600	80%
5 th	600	80%

Budget for CSR (Khera I & Khera II Mines)

Particular	Capital cost (Rs.)	Recurring cost (Rs)
Repairing of school building at Village Khera	50,000.00	15000.00
Compactions of Village Road	25,000.00	10,000.00
Health Camp / Medical aid for nearby Villages	25,000.00	25,000.00
Campaign against Liquor		10,000.00
Campaign against Plastic		10,000.00
Religious activity		15,000.00
Total	1,00,000.00	85,000.00

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Budget for Environmental Management (Khera I & Khera II Mines)

Particular	Capital cost (Rs.)	Recurring cost (Rs)
Dust suppression	50,000.00	25000.00
Environmental monitoring		40,000.00
Green belt development	4,41,000.00	80,000.00
Dump rehabilitation		22,000.00
Back filling		30,000.00
Others		10,000.00
Total	5,91,000.00	2,07,000.00

PP has submitted a copy of compliance report for compliances of the EC conditions; it was informed that the same has also been submitted to the R.O of MoEF. Point-wise compliances of the existing EC were presented and discussed in the meeting however, the validation of the same has not been received from R.O. MoEF.

The EIA report, EMP and Public Hearing commitments and the compliance of the existing EC as submitted and presented by the PP are satisfactory and acceptable. Hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

- Any condition which may be laid by the R.O. MoEF shall be complied with.
- Top soil shall be staked separately and shall be used for plantation only.
- Maximum height of the OB dumps shall be restricted to 20 meters with appropriate angle of repose.
- Appropriate garland drain all around the OB dumps shall be constructed and connected to settling tank.
- Drinking water quality should be ensured as per IS 10500.
- The nearby temple has to be maintained by the PP.
- The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.

3. Case No. – 1684/2013 M/s Siddivinayak Developers, Proprietor Mr. Kailash Raghuwanshi, FF - 29, 30, Shekhar Villa, 06, Scheme No. – 54, Vijay Nagar, Indore - (M.P) -452010 Residential Township project " Maple Woods " at Khasra No. – 41/1, 41/2, 43, 56, 57, 58, 59, 60, 61/2 and 92, Village- Pipliyakumar, Tehsil & District – Indore (M.P.), **Plot Area – 63, 410 M² , Built up Area – 1, 47, 128.75 M² ,Ground Coverage – 19,023 M² . For – Building Construction.** Env. Consultant : Kadam Env. Con. , Vadodra (Guj.)

It was submitted by the PP that construction activities have already been taken up at site, which reveals that this is a clear case of violation of EIA Notification. PP submitted that the quantum of construction is less than 20000 m² and construction has been stopped till EC is granted to the project. The Committee decided to visit the site through a sub-committee. The visit of site was decided during 12th – 13th of August 2013. Case shall be heard after discussing the sub-committee's report. Till then the case was deferred.

4. Case No. – 1685/2013 M/s K.L. Sharma, Proprietor, 157, C Sector, Indrapuri, Bhopal (M.P) Residential Township project " Regal Town " at Khasra No. – 306, 307/1/2, 311/1kh, 311/1kha, 312, 150/5/2k, 309/3/2kha, Village- Khajurikalan, Tehsil – Huzur, District – Bhopal (M.P.), **Plot Area – 27,860 M² , Built up Area – 49.678.50 M² ,Ground Coverage – 30% of Plot**

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Area (8358 M²). For – Building Construction. Env. Consultant : Kadam Env. Con. , Vadodra (Guj.)

This is a case pertaining to building & construction comprising township development in an area of 27860 m² and total built-up area of 49678 m². The project is covered under the EIA notification (Item 8(a)) hence requires prior EC before commencement of activity at site. The application along with related documents was forwarded by SEIAA to SEAC for appraisal.

It was informed by the project proponent that the construction activity has already been started without obtaining prior EC and has reached to substantial levels. Thus, this is a clear case of violation of EIA Notification. Committee decided to return the case to SEIAA for taking necessary credible action and if need be, issue of directions for immediate suspension of construction at existing level, in light of the MoEF O.M. no J-110131/41/2006 – IA- II (I) dated 12/12/2012 and dated 27/06/2013.

- 5. Case No. – 1686/2013** M/s BCM Group Project Incharge Mr. Rajendra Soni, UG-21, BCM Heights, Shri Badal Chand Mehta Marg, Scheme No. – 54, Vijay Nagar, Indore - (M.P) - 452010 Residential Township project " BCM Planet " at Khasra No. – 32/1/2/2 and 33, Village-Nipania, Pipliyakumar, Tehsil & District – Indore (M.P.), **Plot Area – 6,480 M² , Built up Area – 2,876.940 M² ,Ground Coverage: 30% of Plot Area(1944 M²).****For – Building Construction.** Env. Consultant : Kadam Env. Con. , Vadodra (Guj.)

The case has been withdrawn by the PP. It was decided by the committee to examine the project in light of the MoEF O.M. no J-110131/41/2006 – IA- II (I) dated 12/12/2012 and dated 27/06/2013, before returning the same to SEIAA for further action.

- 6. Case No. – 653/2011** Shri PC Jain, M/s Eastern Minerals (Khera- I), 35,Vivekanand marg, Cantonment Jhansi UP- 284001 Expansion of existing capacity of Pyrophyllite mines (4000 to 10000 MTPA) & Dispore mines (200 to 400 MTPA) Tehsil- Jatara , Distt. – Tikamgarh (M.P.), Lease Period –30 Yrs. ToR issued vide letter no. 12 dt. 13/01/12 **EIA Presentation** Env. Consultant: CES, Bhopal (M.P.) Existing EC issued by MoEF vide letter no. J-11015/87/2006-IA.II(M) dated 14/08/2007.

This is a case of expansion of mining project proposed in an area of 6.171 Ha. at Tehsil- Jatara , Distt. – Tikamgarh (M.P.). Mining of Pyrophyllite and Dispore is being carried out presently. Project has valid EC issued by MoEF, Delhi. The case has been submitted for revised EC in view of proposed enhancement in the production capacity. TOR was issued vide letter dated 13/01/2012. The mine lease is adjoining the lease area of other mine of the same proponent mentioned at Case no. 658/2011. EIA report submitted by the PP was received through SEIAA for appraisal. EIA and EMP were presented by the PP and his consultant. The same were discussed at length in the meeting. Public hearings proceedings were also discussed in detail during the meeting. The submissions and presentation made by the PP and his consultant reveals following:

Environmental Setting of Project

Nearest City	Tikamgarh 18 km from Mine
Nearest Railway Station	Niwari 70 km from lease area.
Nearest Airport	Khajuraho 165 km from the mines by road

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Nearest Highway	Tikamgarh-Jhansi NH-12 is 14 km from mine.
Nearest Village	Khera at 400m
Nearest River	Jammi River 6.8 km
Topography	Mount shape
Ecological Sensitive Zone	No national parks and sanctuary within 10 km radius
Nearest Industries	None within 10 km radius
Interstate boundary	More than 10 km.

Location of the mine

District/State	Tahsil	Village	Khasara No.	Area
Tikamgarh (MP)	Jatara	Khera	230/1, 230/2 & 1354/2	6.171 ha
			Total	6.171 hectare

Breakup of Project Cost

S.No.	Particular	Expense (in Lacs)
1.	Land	8.18
2.	Mining	4.97
A.	Cost for infrastructure, tools, equipments & Mining Plan etc.	11.09
3.	Environmental Protection	1.03
A.	Pollution Control (check dam, garland drain protective bund etc.	2.09
B.	Tarpaulin Control cover for stack of ore	0.86
4.	Occupational Health & Safety	0.97
A.	Infrastructure & PPEs	0.34
	Total Capital Investment	29.53

Salient feature of 2 km radius

- Khera Village is 400 m from mine site.
- Gram Panchayat Bhavan Khera.
- Three Other Mine of diaspore & pyrophyllite.
- Primary School Khera.
- Barwaha Village is 1.8 km in South direction

Minerals & Capacity

Mineral	Existing	Proposed
Pyrophyllite	4000 MTPA,	10000 MTPA
Diaspore	200 MTPA	400 MTPA

Existing land use of lease area

Particulars	Area in (ha)
Pits and Quarries	0.85
Dumps	2.91
Backfilled area	0.32
Temple/Chabutera	0.014
Road	0.54

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Stack yard	0.192
Rest Shelter	0.005
Balance Undisturbed area	1.34
Total	6.171

Mineral Reserves

Category	Institu reserves (tones)	Recoverable Reserves (tones)
Proved Reserves	4790715	4551179
Probable Reserves	942474	895352
Total	5733189	5446531

Public hearing

Public hearing was conducted on 26.09.2012, at Grampanvhayat Bhavan at Village Khera. 39 people have attended the hearing and a common opinion has been observed for the mining activity that employment should be given to local villagers. 17 of them registered their opinion in writing. As such no adverse comments were reported from the public hearing.

Problems from blasting operations were raised by some of the villagers, PP has reported that the blasting is being carried out since last 40 years and no complaint has been registered so far. The blasting is being done only during day hours. Regarding flying stones it was submitted by the PP that flying fragments, can travel max. 10m. and muffled blasting is being adopted in which the drill hole is covered with screen (Jali) and the quantity of explosive is being used is only 3.5 to 4.0 kg per hole. This is a small scale mine and blasting is not required every day, and done as and when required.

Action Plan for Implementation of PH Commitment (Case No. 653/2011 & 658/2011):

S. No.	Particular	Commitment	Budget
1.0	Plantation	Plantation shall be carried out in 2.03 ha lease area within 5 years. 600 plants shall be planted every years	Rs. 4,41,000/- in next five years.
2.0	Plantation near temple	100 plants / species shall be planted near the temple within a year.	Rs. 8,000/-
3.0	Maintenance of Temple	We will take care of maintenance of temple by the way of white whashing every year and general maintenance as and when required.	Rs. 10,000/- per year.

The EIA report, EMP and Public Hearing commitments and the compliance of the existing EC as submitted and presented by the PP are satisfactory and acceptable. Hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

- Any condition which may be laid by the R.O. MoEF shall be complied with.
- Top soil shall be staked separately and shall be used for plantation only.
- Maximum height of the OB dumps shall be restricted to 20 meters with appropriate angle of repose.
- Appropriate garland drain all around the OB dumps shall be constructed and connected to settling tank.
- Drinking water quality should be ensured as per IS 10500.
- The nearby temple has to be maintained by the PP.

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- The village roads should not be used for material transportation and the approach roads shall be maintained by the PP.

7. Case No. – 673/2011 Shri M. G. Coubey, Engineer-in-Chief, Deptt. of Water Resources, Tulsi Nagar, Bhopal - 462003 (M.P) Ghogra Complex (Medium) Irrigation Project (Main Dam) Catchment Area- 88.50 Sq.km., Gross Storage Capacity- 20.62 MCM, Live Storage Capacity – 17.43 MCM, Gross Command Area – 5250 ha. Cultivable Command Area – 4450 ha., at Village – Ghogra, Tehsil – Nasrulanjanj, Distt. – Sehore (M.P.) by Deptt. of Water Resources, Govt. of M.P. ToR issued vide letter no. 388 dt. 28/07/12 – **EIA Presentation.** Env. Consultant: WAPCOS, Gurgaon (Haryana)

Project proponent requested for postponement of the hearing for the next meeting scheduled for 25th July 2013. Committee agreed for the same with due permission of the Chairman.

8. Case No. – 650/2011 M/s. Katni Minerals Pvt. Ltd.. 26, Commercial Complex, Housing Board Colony, Katni MP -483504 **Presentation.** M/s Padwar Bauxite Mining Project , Lease Area – 25.82 Ha. at Khasra No. – , Village – Padwar, Tehsil- Bahoriband , Distt. – Katni (M.P.) Capacity – 75,000 TPA , Lease Period –30 Yrs. ToR issued vide letter no 70 dt. 29/02/12 **For - EIA** Env. Consultant : Grass Roots Research & Creation (I) Pvt. Ltd. Noida (U.P.)

This is mining project in lease area of 25.82 Ha. Mining of Bauxite is proposed with production capacity of 75000 TPA. TOR was issued vide letter dated 29/02/2012. The EIA was forwarded by SEIAA for appraisal. EIA, proposed EMP, Public hearing issues and various other submissions were presented by the PP and his consultant in the meeting. The submissions & presentations made revealed following:

Background of the project

- The mining lease has been granted in favour of M/s Katni Minerals Pvt. Ltd. over an area of 25.82 ha for period of 30 Years.
- The Mining plan and Progressive Mine Closure Plan has been approved over the said area by IBM vide letter no. MP/Katni/Bauxite/MPLN/G-02/11-12 dated 05/08/2011 under Rule-22 of M.C.R. 1960.
- The proposal is for the production of 75,000 TPA of Bauxite.
- The MPSEAC has issued project specific TOR vide letter No: 19/PS-MS/MPPCB/SEAC/TOR (86)/2012 dated 25.01.2012 (Case no.650/2011).

Public Hearing for the project was completed on 26th September 2012.

Location:

Location of mining lease area	Village : Padwar, Tehsil: Bahoriband District : Katni, State: Madhya Pradesh
Geographical Co-ordinates	Latitude -23 ^o 36'56.7" to 23 ^o 37'7.9" N Longitude -80 ^o 11'45.4" to 80 ^o 12'25.7" E
Total Mining Lease area	25.82ha
Type of lease area	Govt. Land
Nearest Habitation	Padwar at 2.0 km NE
Nearest Railway Station	Sleemnabad at 5 km NE
Road Connectivity	It can be approached from Katni on N.H.-7 upto Chapra turning (32 km) and then 10 km on fair weather WBM road
Altitude of the Site	Highest :444m RL towards north Lowest : :437m RL towards east

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Mining details

Mining Method	Opencast Other Than Fully Mechanised Method
Ultimate depth of mine	6 m bgl
Proposed Bench of mining pit	Height : 4.0-4.5 m Width : Bench will follow the quarry floor
Mineral Reserve	Geological : 9,66,000 t Mineable : 8, 74,713 t
Stripping Ratio	1:0.26
Rate of Production	75,000 TPA
Life of Mine	23 Years
Required Man Power	88
Water Requirement	20 m ³ /day
Source of Water	Ground water from nearby villages & Sump water
Use of Mineral	The mineral is intended for sale to nearby Aluminium & Refractory Plant of the lessee concern.

Proposed land is government waste land and at the end of mine life, on 11.81 ha area afforestation and 7.41 ha area plantation will be done and 6.60 ha area will be converted to water reservoir. Impact will be positive. There is no agriculture land in the area or vicinity. The village area is far of from ML area and sufficient area has been reserved for grazing by the State Government and LOI has been issued after taking in to consideration the above fact

Air Pollution Control Measures

Mines

- Wet drilling system to be adopted.
- Dust masks will be provided to all workers on site, if necessary.
- Afforestation for control of dust.
- Plantation of trees and tall grass along approach roads and on barrier zones will be done to help suppress the dust.

Haulage

- All haul roads will be maintained regularly.
- Water will be sprayed daily on the roads by using water tankers.
- Avoiding over filling of tippers and consequent spillage on the road.
- Ore carrying trucks will be effectively covered by tarpaulin.

Noise Pollution Control Measures

- Workers equipped with PPE at work place.
- Maintenance of Green belt in and around the mine.
- Avoiding overloading of the trucks
- By controlling the speed of the truck.
- Proper gradient of haul roads to reduce cumulative noise.
- Transportation of materials will be limited to day hours only
- All machinery & vehicles will be kept well maintained & lubricated.

Water environment (impact assessment)

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- Impact on surface water can be anticipated during monsoon as the available nalas in the study area are seasonal only.
- Mining will not be intersecting the ground water table.

Water pollution control measures

- Garland drains and bund will be constructed around the pit, dump and specially towards boundary adjoining seasonal nalla in NE, SE & SW to prevent the runoff water of the mine into the surface drainage channel causing siltation.
- No OB will be placed or stacked towards nalla.
- Providing sufficient gully checks & check dams in boundary to protect surface run-off.
- Provision of retention walls at the foot of the dumps.
- The excavated pit will be used as water resources and available for rain water harvesting.
- Thick green belt will be prepared in boundary towards nalla.

Reclamation Plan

- The exhausted mine pit will be reclaimed with OB and wastes generated during the operations
- In order to retain the topography nearest to the virgin land, few voids will be left un-reclaimed and used as water reservoirs. The reclaimed land will be densely afforested with variety of plant species that are chosen from the background environment
- The proposed rehabilitation plan shall ensure the bio-diversity of the reclaimed land will have more diverse flora than the virgin land
- After backfilling the area will be compacted and leveled, over which the soil will be spread and afforestation will be done as described above.

Post Land use Pattern

S. No	Particulars	End of mine Life (ha)
1.	Total area excavated (broken)	18.41
2.	Area fully mined out (out of 1)	18.41
3.	Area fully reclaimed (Backfilled out of 2)	11.81
4.	Area rehabilitated out of 3 by afforestation	11.81
5.	Area reclaimed by water harvesting	6.60
6.	Total area under dumps	Nil
7.	Area under active dumps	Nil
8.	Area under mineral stack	Nil
9.	Area under Road	Nil
10.	Area under Green belt(i.e. plantation on area other than dump and backfilled area)	7.41
11.	Area under infrastructure	Nil
12.	Undisturbed area	Nil
Total Area		25.82

Five year stage-wise conceptual mine plan

Particulars	Existing	5 th year end	End of mine Life
Total area excavated (broken)	0.4291	2.3085	18.41
Area fully mined out (out of 1)	Nil	1.90	18.41
Area fully reclaimed (Backfilled out of 2)	Nil	Nil	11.81
Area rehabilitated out of 3 by afforestation	NA	Nil	11.81

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Area reclaimed by water harvesting	Nil	Nil	6.60
Area under Road	0.20	0.30	Nil
Area under Green belt(i.e. plantation on area other than dump and backfilled area)	Nil	1.25	7.41
Area under infrastructure	Nil	0.25	Nil
Undisturbed area	25.0809	21.7115	Nil

Proposed Back-filling

It was submitted by the PP was Backfilling: There will be no backfilling / reclamation in the lease area during first five years. From 6th year onwards simultaneous backfilling will be carried in the exhausted pit which will be rehabilitated by plantation. 11.81 ha area will be backfilled and afforested and 6.60 ha area will be converted to water reservoir.

Public hearing proceedings were also dealt in detail no adverse comments have been observed accept one which was found to be merely assumption and PP's response for the same is acceptable.

The EIA, EMP and other submissions made by the PP are satisfactory and acceptable. Hence the case was recommended for grant of prior EC subject to the following special conditions:

- Sufficient gully checks & check dams in boundary shall be constructed to protect surface run-off.
- Garland drains and bund shall be constructed around the pit, dump and especially towards boundary adjoining seasonal nalla in NE, SE & SW to prevent the runoff water of the mine.
- The water reservoir proposed in 6.60 Ha has to be developed aesthetically with safe boundary all around. Steps and proper slopes should be provided.
- Plantation at mine site should be taken up in consultation of experts.
- All CSR activities in the area should be take up in consultation of the Gram sabha.

9. Case No. – 229/2008 M/s Twenty First Century Developers Pvt. Ltd. 6th Floor, Treasure Island –II, Tukoganj, Main Road, Indore (M.P) Township project at Village- Bijalpur, Tehsil & District Indore: PP: (T. Plot area – 6,64,430 m2 and total built up area – 5,80,000 m2) - prescribing of additional TOR, **For – Building Construction. ToR issued vide letter no. 11 dt. 10/01/13 Env. Consultant: JM Enviro Gurgaon.**

This is a township development project originally comprising of total plot area of 664430 m2 and total built-up area of 580000 m2. It was reported by the PP that the project size has been reduced and revised area of the project is 349516 sq. m. and built up area of the project is 305920.76 sq. m. same revised figures have been considered and incorporated in revised EIA/EMP report.

Brief history of the project:

The Project application was initially submitted to SEIAA, MP on dated 21st October, 2008 and case was considered in 16th Meeting of State Expert Appraisal Committee held on 15th November, 2008. During Presentation some points were raised by SEAC and point wise reply of points was submitted by PP on dated 07.02.2009. The case was again considered in 22nd Meeting of State Expert Appraisal Committee held on 26th March, 2009 and asked to submit CGWA permission. CGWA permission was submitted by PP on dated 20.10.2009. Case was again consider and recommended for EC by SEAC after Technical Appraisal. The case was considered in 25th meeting by SEIAA held on 04.12.2009, during discussion some queries raised by SEIAA. Point wise- reply to queries raised by SEIAA, was submitted by PP on dated 14.06.2010. In the mean time as the chairman of SEIAA has resigned thus file was moved/ transferred to MoEF, New Delhi for further considerations. As per direction of PP had prepare the EIA/EMP Report based on Model TOR & Minutes of Meeting of similar type of project and submit it to Director IA.III, MoEF, New Delhi on dated 15.12.2010, as the built up area is more than 1,50,000 sq. m. Case file was again moved to SEIAA after re-constitution

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of State Level Environment Impact Assessment Authority (SEIAA), Madhya Pradesh. The case was again considered 43rd meeting of the State Level Environment Impact Assessment Authority held on 10th December, 2010. It was concluded by the SEIAA that; the project is affected by critically polluted area having CEPI more than 70. Authority conveyed in 54th Meeting of SEIAA held on dated 21.03.2011 that General Conditions that if any project or activity specified in Category "B" will be treated as Category "A". In the reply of the same issue PP had submit a letter on dated 05.04.2011 with request that General & Specific conditions are not applicable on 8(a) Building and Construction projects and 8(b) Townships and Area Development projects. Case was again considered by committee on the basis of submitted EIA/EMP Report and decide to visit site before issue additional Term of reference. The site visit of sub-committee was carried out during August, 2012 and additional Term of reference was issued in 109th meeting held on dated 06th November, 2012. The revised EIA / EMP submitted to SEIAA on dated 19.06.2013. The project was heard for the additional TOR. The presentation and 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:

1. 'Zero-discharge' shall be maintained with respect to treated sewage from the project.
2. Water conservation shall be achieved by adapting various measures such as use of quality taps and sanitary fittings and recycling / reuse of treated waste water.
3. Energy conservation shall include use of solar energy in public utilities & individual household.
4. Sludge shall be dried using filter press and the dried sludge shall be disposed off with the MSW or may be given to the composting facility operating in Indore or nearby place.
5. MSW, BMW and Hazardous wastes shall be segregated and dealt separately as per the provisions of respective rules.

10. Case No. – 489/2009 M/s S.N.S. (Minerals) Limited, P.O. & Distt. – Satna (M.P.)- 485001 Jamuani Kalan Limestone Mine at Khasra No. – 683, 684, 685, 686, 687, 688, 689, 744, 745, 746, 748, 787/1, Village- Jamuani Kalan, Tehsil- Vijayraghgarh, Distt. – Katni (M.P.), production capacity – 10,000 MTPA to 2,00,000 MTPA Lease Area – 8.584 Ha., Lease Period – 20 Yrs(23/09/1995 to 22/09/2015). ToR issued vide letter no 144 dt. 18/02/10, Revised ToR issued vide letter no 155 dt. 18/04/12 Env. Consultant : GRC (I) Pvt. Ltd. Noida (U.P.) For – EIA Presentation.

This is mining project. EIA is received from SEIAA for appraisal. The project pertains to mining of limestone with production capacity of 2.0 Lac MTPA. The presentation made by the PP and his consultant reveals following details about the project:

- The mining lease was initially sanctioned to M/s. S.N.S. (Minerals) Limited for a period of 20 years w.e.f. 23.09.1975 to 22.09.1995.
- 1st renewal of mining lease was granted for next 20 years period w.e.f. 23.09.1995 to 22.09.2015.
- The mining scheme of Jamuani Kala Limestone & Dolomite Mine was approved under rule 12 of MCDR'1988 vide letter no. - MP/Katni/Limestone/M. Scheme – 69/2012-2013 Nagpur dated 25/04/2013.
- The proposal is for the production of 2,00,000 TPA.
- The MPSEAC has issued project specific revised TOR vide letter No: 155/PS-MS/MPPCB/SEAC/TOR (88)/2012 dated 18.04.2012.
- Public Hearing for the project was completed on 05th April 2013.
- It is reported that there is no litigation pending against the Project.
- It is also reported that no notices/directions issued under EP (Act), Air Act & Water Act.

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Location:

Location of mine area	Village: Jamuani Kala, Tehsil: Vijayraghgarh, District: Katni,
Geog. Co-ordinates	Lat: 24 ^o 06'50.6" to 24 ^o 07'3.7" N, Long: 80 ^o 43'48.2" to 80 ^o 44'1.1" E
Total Mining Lease area	8.584 ha
Type of lease area	Partly Private Land & Partly Government Land (Barren waste land)
Nearest Habitation	Jamuani Kala at 1.1 km in South west
Nearest Railway Station	Bhadanpur at 8 kms in NW
Road Connectivity	From Katni on N.H.-7 up to Kymore (38 kms) via Chaka turning or Jukehi and then 15 km on Kymore - Maihar road via Bandhi or Ajwain turning.
Altitude of the Site	399-412 m AMSL

Mining details

Mining Method	Opencast Other Than Fully Mechanized Method
Ultimate depth of mine	375 m AMSL
Proposed Bench of mining pit	Height : 6.0 m, Width : 6.0 – 15.0m
Mineral Reserve Pre-Feasibility Mineral Resource	20,20,950 tonnes 11,99,700 tonnes
Stripping Ratio	1:0.66 (Ore:Over burden)
Rate of Production	2,00,000 TPA
Life of Mine	17 Years
Required Man Power	73
Water Requirement	14 KLD
Source of Water	Ground water from nearby villages, mine pits & Sump
Use of Mineral	The saleable Limestone will be supplied to cement plants and steel plants as per specification of commercial quality and physical size. Dolomite stone will be used as building material or road metal.

Public Hearing Issues:

Public hearing issues were discussed in detail. PP has made following commitments towards public demand during the public hearing:

- After starting of mine operation both skilled and semi-skilled workers will be employed from the nearby villages depending upon their qualification.
- Proposed project will generate around 70 number of employment opportunity.
- A total amount of 4,00,000 rupees per annum will be spend as part Corporate Social Responsibility.
- Around 1,00,000 rupees for income generation and around 50,000 rupees for community health will be invested annually.

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- A total area of 5.834 ha will be afforested under reclamation and green belt development programme at end of mine life. Annually, around 2,00,000 rupees will be invested for the above stated purpose.
- Around 6 KLD of water will be used for the dust suppression.
- An amount of 1, 50,000 rupees for same will be invested by the client.
- There is no issue Rehabilitation & Resettlement. A total amount of 4, 00,000 rupees per annum will be spent as part Corporate Social Responsibility.
- Annually around 50,000 rupees for community health will be invested.
 - i. Road will be maintained from time to time by the Lessee.
 - ii. At the end of mine life around 4.512 ha of land will be converted to water reservoir from where water will be supplied to farmers.
 - iii. Annually around 50,000 rupees will be invested for community health.
 - iv. A total area of 5.834 ha will be afforested under reclamation and green belt development programme at end of mine life. A total 8100 number of plant will be planted in that area.
- At the end of mine life around 4.512 ha of land will be converted to water reservoir from where water will be supplied to farmers.

Env. Management Plan

Air pollution control measures

Mines

- Wet drilling system to be adopted for drilling.
- Dust masks will be provided to all workers on site, if necessary.
- Rock breaker will be used for breaking over size boulders in order to reduce dust and noise generation, which otherwise would be generated due to secondary blasting.
- Plantation of trees and tall grass along approach roads and on barrier zones will be done to help suppress the dust.

Haulage

- All haul roads will be maintained regularly and will not be blocked or obstructed for any villager/passersby.
- Water will be sprayed daily on the roads by using water tankers.
- Avoiding over filling of tippers and consequent spillage on the road.
- Ore carrying trucks will be effectively covered by tarpaulin.

Noise pollution control measures

- Workers equipped with PPEs at work place.
- Development of Green belt in and around the mining leases area.
- Plantation along the sides of approach roads, around mine office and mine area will be done to minimize the propagation of noise.
- By controlling the speed of the truck.
- Proper gradient of haul roads to reduce cumulative noise.
- Transportation of materials will be limited to day hours only.
- Proper maintenance, oiling and greasing of machines and vehicles at regular intervals will be done to reduce the generation of noise.

Reclamation Plan

- The exhausted mine pit will be reclaimed with OB and wastes generated during the mining operations.
- In order to retain the topography nearest to the virgin land, few voids will be left un-reclaimed and used as water reservoir. The reclaimed land will be densely afforested with variety of plant species that are chosen from the background environment.
- The proposed rehabilitation plan shall ensure the bio-diversity of the reclaimed land will have more diverse flora than the virgin land.

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- After backfilling the area will be compacted and leveled, over which the soil will be spread and afforestation will be done as proposed.

Post Land use Pattern

S. N	Particulars	Post mining Land use (ha)
1	Total area excavated	(7.262)
2	Reclaimed & rehabilitation by afforestation (out of 1)	2.75
3	Area under Reservoir (out of 1)	4.512
4	Area under green belt	1.322
Total		8.584

Five year stage-wise Conceptual plan

S.N	Particulars	Present land use pattern (ha)	End of the Plan period (ha)	Conceptual land use pattern (ha)
1	Total area excavated (broken)	1.201	2.871	7.262
2	Area fully mined out (out of 1)	0.15	1.25	7.262
3	Area fully reclaimed (Backfilled out of 2)	Nil	0.90	2.75
4	Area rehabilitated out of 3 by afforestation	NA	Nil	2.75
5	Area reclaimed by water harvesting	Nil	Nil	4.512
6	Total area under dumps	1.98	1.98	Nil
7	Area under active dumps	0.25	Nil	Nil
8	Area under mineral stack	Nil	0.20	Nil
9	Area under Road	0.30	0.30	Nil
10	Area under Green belt	0.10	0.16	1.322
11	Plantation over dump area	Nil	Nil	Nil
12	Area under infrastructure	Nil	0.01	Nil
13	Protective Bund and Drain	Nil	0.20	Nil
Total		8.584	8.584	8.584

Waste generation and its management

Year	Soil (cum)	OB/Waste(OBW+IW) (cum)
Ist Year	8, 000	15, 130
IInd Year	38, 100	36, 600
Total	46, 100	51, 730

Back Filling:

No external dumping has been proposed. However protective bund within barrier zone towards west has been proposed. Simultaneous backfilling will be carried out. The OB/Waste will be partially utilized for preparation and maintenance of 3 Kms approach road to ML area and for making protective bund around the ML area in 7.5 m barrier towards west and rest will be backfilled. No external dump will remain.

- The OB/mine waste consists of soil, inter-bedded shale and stone etc. In the limestone ore body inter-bedded shale with clay pockets etc is present.

[S.C. Jain, Chairman]

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- Simultaneous backfilling of mining pit with O.B. is proposed and no O.B. dumps will be present after 5 years of mine working.

Water Conservation Plan

- The mining is proposed above ground water table. No ground water table will be intersected. 4.512 ha of the excavated portion of the mine pit will be converted into water reservoir.
- 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.
- The sump water will also be available for irrigation purposes of the surrounding area.

Budget for Socio Economic measures

Capital Cost

Activities	Area of Investment	Method of calculation	Basics	Expen. (Rs.)
a	Infrastru. development			1,50,000
	Educational facilities	Rs.0.5 lakh per village	No. of Village : 1	50,000
	Medical facilities	Rs. 0.5 lakh per village	No. of Village : 1	50,000
	Others	Rs. 0.5 lakh per village	No. of Village : 1	50,000
b	Income Generation Activities	Rs. 500 per head X unemployed population of nearest village	No. of unemployed population :200	50,000
	Total capital investment			2,00,000

Recurring Expenses

Activities	Area of Investment	Method of calculation	Basics	Expenses (Rs)
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 : 200	1,00,000
d.	Community Health checkup	Rs. 0.5 lakh per village X Affected village due to this mining	Anticipated No. of Village : 2	50,000
Total				5,50,000

After deliberations PP was asked to submit response to the following queries at the earliest:

- Production details from 1994 onwards to be furnished so as to ensure that violation has not been done.
- Written assurance has to be submitted for fulfillment of all the commitments (maintenance of road, supply of mine-water to farmers, safe-blasting etc.) made before the public.
- Regarding issue of casualty of a boy in other mine as raised in the public hearing, PP has to submit evidential document proving that the issue do not pertains to this project and PP is not involved in the episode.

- 11. Case No. – 972/2012 M/s Narmada Bio-Fules Pvt. Ltd., 16/1, Shakti Appts, Old Palasia - Distt. – Indore (M.P.) - 452008** *Single Super Phosphate: 600 MT/day which will be partially converted in to granulated SSP.at Khasra No. 91/3-91/7-93/2, Village – Nihali, The. – Rajpur, Distt. – Barwani (M.P.)* **For – EIA Presentation.** ToR issued vide letter no 294 dt.25/03/13 **Env. Consultant: Kadam Enviro, Badodra (Gujrat).**

This a case of manufacturing of SSP. The unit is proposed at Khasra No. 91/3-91/7-93/2, Village – Nihali, The. – Rajpur, Distt. – Barwani (M.P.). SSP partly converted to GSSp shall be produced to

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the tune of 600 MT/day. The TOR to carry out EIA was issued vide letter dated 25/03/2013. The EIA report was forwarded by SEIAA to SEAC for appraisal. EIA , EMP and other submissions were presented by the PP and his consultant before the committee in the meeting. The presentation and submissions revealed following:

Project Brief-

- The Macro watershed of radius 10 km around project site covering an area of 31,400 Ha is part of Deb River sub-basin and Nahula River sub-basin of Narmada river basin.
- The majority part is covered by Deb river sub-basin except small portion of NW side which is a part of Nahull river sub-basin. Both the rivers flow toward North and merge in to Narmada River.
- Topographically, watershed can be divided in to two parts viz. western part showing high relief and rugged topography compare to eastern part showing moderate relief with undulating topography.
- The terrain at and around proposed site is slightly undulating with small mounds and basins. Few linear scarp ridges are present to north of proposed site trending ENE-WSW direction.

Details of project location:

Tehsil	Village	Khasra	Area	Ownership	Landuse
Rajpur	Nihali	91/3, 91/7 and 93/2	8.89 Ha (~22 Acre)	M/s Narmada Biofuel Pvt. Ltd.	Barren, Non-agricultural Land

Item	Details			
Location	Plot No. : 91/3, 91/7 and 93/2 Village : Nihali Tehsil: Rajpur District: Barwani			
Existing Landuse	Barren and Non-agricultural Land			
Latitude & Longitude	Cen tre:	21°52'56.04" N 75°13'55.92" E	All Coordinates:	
Area	Plot Area: 88,900 m ² Greenbelt Area: 30,924 m ² (~34.7% of Total Plot Area)			
Production Capacity	Single Super Phosphate Fertilizer (SSP)/Granular Single Super Phosphate (GSSP) : 2,00,000 TPA			
Project Cost	Rs. 29.26 Crore			
Expenditure on Environmental Matter	Capital Cost: Rs. 1.63 Lacs , Recurring Cost: Rs. 9.8 Lacs			
CSR Cost	Rs. 30 Lacs for 5 years.			
Raw Material	Rock Phosphate & Sulphuric Acid.			
Fuel Requirement / Source	HSD (100 liters per day) / Approved Vendor.			

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Power Requirement / Source	1,250 KVA / Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd. Stand By: One DG set of 125 KVA attached to Scrubber.
Water Requirement / Source	160 KLD / In-house bore-wells.
Manpower Requirement	Construction Phase: ~40 persons Operation Phase: ~140 persons
Transportation of Raw Materials and Finished Goods	~50 trucks per day through NH-3.
Air Emissions and Control	Major emitting pollutants: HF and PM10, To install four stage ventury scrubber.
Effluent Generation and Disposal	“Zero Liquid Discharge” Unit. Reuse of 100 KLD waste water. Domestic Sewage: 17 KLD (Treated in STP and recycled for gardening).
Hazardous Solid Waste Treatment and Disposal	Lime treatment to acidic wet scrubber sludge. Disposal of discarded drums/containers to authorized vendors/re-cyclers. Reuse of used oil in lubrication.

Material balance

S. N	Input / MT of Product		
	Raw Material	Quantity (MT per Ton of Product)	Quantity (MT/Day)
1	Rock Phosphate	0.55	328
2	Sulphuric Acid	0.34	203
3	Water (for dilution and Scrubbing)	0.16	98
Total		1.05	630
4	Evaporation Losses	0.05	30
Total		1.00	600

EMP

Following EMP has been proposed by the PP

S No.	Expected Impact	Impact Zones	Management Plan
Air Environment			
1	Particulate matter from Crushing and Grinding Unit	1500 meters in predominant wind direction	<ul style="list-style-type: none"> •Installation of pulse jet dust collectors to reduce PM emissions; •Ensure periodic monitoring of stacks for PM concentrations.
2	HF from Acidulation	1500 meters in	•A four stage scrubbing system will be

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S No.	Expected Impact	Impact Zones	Management Plan
	Reaction Den's Scrubbing Unit	predominant wind direction	installed to reduce the emission of HF from this section well below the permissible limit; <ul style="list-style-type: none"> •Ensure periodic monitoring of stacks for HF concentrations.
3	Impact of HF on nearby cotton fields	1500 meters in predominant wind direction	<ul style="list-style-type: none"> •Periodic monitoring of HF around the curing section will be carried out especially during the rainy season to ensure that HF level in ambient air is within the norms, thereby ensuring negligible damage to cotton leaves.
4	Dust generation due to Transportation activity.	Village road of Agalgaon village.	<ul style="list-style-type: none"> •Transportation of raw materials and finished goods will be carried out in covered trucks.
Water Environment			
1	Abstraction of groundwater may lead to reduction in ground water table level.	Nearby villages	<ul style="list-style-type: none"> •Proper mixing of freshwater and recycled water shall be ensured in reaction den to reduce consumption of borewell water; •Recharge trench will be developed to recharge ground water during rainy season.
Land Environment			
1	Spillage of H ₂ SiF ₆ solution onto land which could contaminate soil	At site, adjacent to tank	<ul style="list-style-type: none"> •Provision of RCC Settling tanks and FRP lining to avoid any leakages; •Proper flooring will be done to avoid the leaching of H₂SiF₆ solution into the soil.
2	Spillage and leakage of H ₂ SO ₄ from storage tanks onto land which could contaminate soil	At site, adjacent to tank	<ul style="list-style-type: none"> •Appropriate dyke wall will be made; •Sand bucks will be placed near the storage area to soak spillage; •Regular cleaning and maintenance of storage tank will be done.
3	Settling of HF on soil from stack emissions and curing section especially during rainy season.	1500 meters around the site	<ul style="list-style-type: none"> •Highly efficient scrubber will be installed to reduce the emission of HF much below the permissible limits, hence the settling of HF onto soil will be very minute however if it leaches into the soil and reaches groundwater/surface water it will be then within the permissible limits only; •During rainy season plant load will be

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S No.	Expected Impact	Impact Zones	Management Plan
			reduced and masks will be provided to workers.
Noise Environment			
1	Noise from operation of crushing and grinding units	Workers at site	<ul style="list-style-type: none"> Crushing and grinding unit will be installed in covered area surrounded by thick wall to reduce the exposure of noise in nearby village; A three layered thick green belt will be developed around the site with noise absorbing trees; Proper PPEs like Ear Plugs & ear muffs will be provided.
2	Noise from operation of D.G set	Workers at site and Agalgaon village	<ul style="list-style-type: none"> Proper engineering control measures will be taken; proper maintenance of equipment will be done. Adequate acoustic enclosures will be placed surrounding D.G sets; A three layered thick green belt will be developed around the site.

Public Hearing issues

Major Issues raised	Response of Proponent
Damage to crops.	Appropriate air and water pollution control equipment will be placed to control pollutant emission, which will not affect the crop pattern.
Employment issue: If all the labors will work in factory then, nearby farmers will not get labors to work in their agricultural field. Damage to crops because of air pollution.	Primary employment will be given to local labors as per their willingness. Air emissions will be controlled by discharging the pollutants from 50 m high chimney, which will not affect crop pattern.
If destruction of crops occurs due to operation of plant, who will take the responsibility? And health related issues to be addressed.	Public Liability Insurance will be done.
Increase education level in nearby villages.	Local people will be given preference for employment. Primary school shall be established. Books, school uniforms etc. will be provided.

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Major Issues raised	Response of Proponent
Chemical fertilizers will damage the nearby soil condition.	No impact on soil condition will occur; insect fertilizer will help the production of crop in all agricultural fields.

The EIA ,EMP 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 following special conditions:

- Garland drain shall be constructed all around the working floors to collect all types of wastewater which might come out as a result of spillage, leakages, run-offs etc. The garland drains shall be connected to collection pit & ultimately to the ETP.
- All hazardous wastes and solid wastes shall be segregated and disposed off as per the prevailing rules.
- Mass standard for fluorine shall be monitored and maintained.
- Fluorine contents in the ground-water samples in eight directions shall be periodically monitored and reported to MPPCB & MoEF (six-monthly basis).
- Green cover in the premises should be at least 33% of the total plot area.

12. Case No. – 1694/2013- Shri Mahesh Kumar Chaurasiya, Near Old Nagar Nigam,P.O & District - Satna (M.P.)Pin Code – 485001- Environmental Clearance for Mining of 13.759 ha. Mankhari Limestone Mine In Village - Mankhari, Tehsil- Rampur Baghelan, District- Satna, (MP).- TOR Case.

This is a mining project pertaining to mining of limestone in an area of 13.759 Ha. Production capacity proposed is 50,000 TPA of Limestone & 25,000 TPA of Reject stone. Application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare effective EMP for the project. The mine is operational presently. PP and his consultant presented the salient features of the project, which revealed that the project is in vicinity of other two mining projects. The matter of EC of these cases is under consideration as Case No. 1696/2013 and 1697/2013. All the three projects pertain to mining of limestone. Further following details were observed:

- Lease was granted in favor of Shri Ajay Kumar Pathak over an area of 8.094 for period of 10 years i.e. from 17.02.1993 to 16.02.2003.
- Later Madhya Pradesh department of Mines, Bhopal letter vide no. 3-190/92/12/2 dated 22.05.2003, the mining lease was extended from 10 to 20 years i.e. upto 16.02.2013.
- Mine Lease area is 8.094 ha which is a private land (Non-Forest barren land).
- The lessee has been applied renewal application on 16.01.2012 as per the provisions of Rule 24 of 1960 of MCR.
- Proposed Production is 75,000TPA (50,000 TPA of Limestone & 25,000 TPA of Reject stone).

Details of the project:

Project	Rampur-Chourasi Limestone Mine
Location	Village : Rampur-Chourasi, Tehsil : Raghuraj Nagar District : Satna , State : Madhya Pradesh
Latitude	24 ^o 38'04.4" to 24 ^o 38'19.8" North
Longitude	80 ^o 46'51.6" to 80 ^o 47'0.00" East

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Toposheet Number	63D/14
Cost of the Project	1 Crore
Mining Plan Approval	Mining Scheme is approved on 19/01/2001. The mining plan is under approval.

Location

Road: The Lease area is 9 kms from Satna towards North West on Satna- Chitrakoot Road. It is about 8 kms up to Khamha and then 1.0 kms on approach road towards West. The lease area can be approached by own conveyance.

Railway Station: Satna at a distance of about 8.5km in SE

Airport: Khajuraho about 125km SE & Jabalpur about 190km SW

Nearest Town: Satna about 8km in SE

Physiography

Elevation: 322m AMSL Towards N to 317 m AMSL in NS

Ultimate depth of mining: 17m BGL, upto 300m AMSL

Ground water table: 25-30 BGL (285m-290m AMSL)

Latitude: 24^o38'04.4" to 24^o38'19.8" North

Longitude: 80^o46'51.6" to 80^o47'0.00" East

Nearby water bodies:

Satna River: About 5.5 km in SW

Chaura N: About 3.5 km in West

Magardha N: About 5 km in NE

Project Cost:

SN	Description	Cost in Rs.
1	Land cost expenditure	Nil
2	Cost of infrastructure, Equipment, vehicles, Manpower, machineries, etc.	95,00,000.00
3	Environnemental protection (check dams etc.)	2,00,000.00
4	Socio-economic development	3,00,000.00
	TOTAL	1,00,00,000.00

After deliberations committee approved the standard TOR to carry out EIA and prepare EMP for he project with inclusion of following additional point:

- Present status of mines has to be ellaborated as one of the chapter, including the EMP adapted, complainces of consent conditions etc.
- Complaince report from MPPCB has to be furnished.
- Cummulative impact of the mines operating / proposed in the region has to be evaluated and accordingly an effective EMP shall be submitted.
- EIA report and public hearing for the project shall be conducted separtely and individual impact from this mine shall also be presented.
- Road network specially the rurals roads has to be presented in detail along with a plan for maintenance and conservation of all the roads being used or proposed to be used by the mine owners.
- A common CSR for the region has to be submitted duly agreed and signed by all the owners acopy of this CSR should be placed before the Gram-Sabha and approved by the local body.
- All salient features including the land details, proposed technology etc has to be clearly explained in the public hearing in local language.

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- All proceedings have to be minuted and clear recommendation of the Public Hearing panel has to be obtained regarding mining operations at the site.

13. Case No. – 1696/2013- Shri Ajay Kumar Pathak, Semariya Chowk, Chanakyapuri P.O. & Distt - Satna (M.P)-485001 Environment Clearance for approval of 16.264 Ha Hinouta Limestone Mine In Village - Hinouta, Tehsil - Rampur Beghelan, District- Satna- TOR case.

This is a mining project pertaining to mining of limestone in an are of 13.759 Ha. Production capacity proposed is 1,10,000 MTPA of Limestone and Reject Stone. Application was forwarded by SEIAA to SEAC for scoping so as to determine TOT to carry out EIA and prepare effective EMP for the project. PP and his consultant presented the salient features of the project, which revealed that the project is in vicinity of other two mining projects. The matter of EC of these cases is under consideration as Case No. 1694/2013 and 1697/2013. All the three projects pertain to mining of limestone. Further following details were observed:

- The mining lease was initially sanctioned for 20 years period w.e.f. 05.05.1972 to 04.05.1992 over an area of 16.264 ha .
- The mining lease was renewed for 10 years period vide State Government order No.- F-3/196/91/12/7 dated 01.05.1993
- The lease period was later extended to 20 year vide Sate Government order No.- F-3/196/91/12/2 dated 22.05.2003. The supplementary agreement to this effect was executed on 23.08.2003.
- The lessee has applied for 2nd renewal of lease on 26.04.2011 in accordance with rule 24 of MCR 1960.

Mine details:

Location	Village – Hinouta Tehsil – Rampur Beghelan, District- Satna State - Madhya Pradesh
Total Area	16.264 Ha
Type of Lease Area / ownership	Non Forest and Barren Land
Screening Category	‘B’ Category
Cost of the Project	1.5 Crores
Employment Generation	115
Mining Plan Approval	Mining Scheme approved on 9/6/2000 and mining plan is under approval.

Location:

Road : The Lease area is 16 kms from Satna towards east on N.H. – 75 to Rewa. It is 15 kms on Satna-Rewa N.H. – 75 up to Sajjanpur and then 1.0 kms on approach road towards north. The lease area can be approached by own conveyance

Railway Station: The nearest rail head and railway station is at Hinouta Rambanon Satna – Rewa railway situated at about 700 m in north on Satna – Rewa railway line and Satna is at 18 kms in West direction on Jabalpur-Allahabad Western Central Railway.

Airport: Jabalpur 200 Km

Nearest Town: Distt. Headquarter Satna (M.P.) is about 16 km.

Physiography

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Highest Elevation: 294 m A.M.S.L. towards East.
 Lowest: 285 m A.M.S.L. in north west.
 Ultimate depth of Mining: 15 m bgl (Up to 270 m AMSL.)
 General Slope: The lease area is almost plain having gentle slope towards North.
 Ground water table: 25-30 m BGL (255-260 m AMSL).
 Latitude: 24^o33'29.0" to 24^o33'47.0" North.
 Longitude : 80^o58'40.3" to 80^o58'58.4" East.

Env. Settings:

RF	About 0.3 km in NE, About 1.2 km in NNE, About 1.5 km in NE, About 2 km in NE., About 2.2 km in NNE. ,About 3.5 km in North. ,About 4 km in NNE., About 4 km in NNE About 4.4 km in NE., About 5 km in NE., About 5 km in NW.
Sathari RF	About 5.5 km in NE & 12.5 km NE.
Jamori RF	About 3 km in NNW.
Khando Jhalwar RF	About 9 km in SSE.
Naru PF	About 6 km in SW.
Jora Nalla	About 11 km in SSE.
Mainha Nalla	About 11 km in SE.
Badkhar Nalla	About 7 km in West
Tons River	About 2.5 km in NNW.
Nar Nadi	About 4.5 km in East.
Magardaha Nalla	Adjoining the lease area in West

Salient features of mining

Ore to be mined out	Limestone and Reject Stone	
Mining Methodology	Opencast other than fully mechanized	
Total Mineral Reserve	19,30,923Tonnes	
Total Waste Generation	2000 MT/month of overburden and mine waste	
Max. Rate of Production	1,10,000 MTPA of Limestone and Reject Stone	
Anticipated Life of Mine	29 year	
Water Requirement		
Activity	Water requirement	Source
Various mining activities	10 m3/day	water will be sourced from dug wells / bore wells

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Green belt	4 m ³ /day(Additional 1 cum of domestic waste)	
Domestic	4 m ³ /day	
Total	18 m ³ /day	

Mining details:

- Opencast other than fully mechanized method of mining with drilling and blasting is proposed in the lease area.
- The development and production will be done side by side
- The bench height will be 6m and width not less than the height.
- No labour camp is proposed with in lease area as labours will be employed from nearby villages
- The OB and mineral will be excavated and loaded mechanically on trucks or dumpers with capacity of 10 tonnes
- About 2000 MT/month of soil, overburden and mine waste will be generated from the mine
- Limestone will be supplied to cement plants and Reject Stone as road metal and building material.

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

- Cumulative impact of the mines operating / proposed in the region has to be evaluated and accordingly an effective EMP shall be submitted.
- EIA report and public hearing for the project shall be conducted separately and individual impact from this mine shall also be presented.
- Road network specially the rural roads has to be presented in detail along with a plan for maintenance and conservation of all the roads being used or proposed to be used by the mine owners.
- A common CSR for the region has to be submitted duly agreed and signed by all the owners a copy of this CSR should be placed before the Gram-Sabha and approved by the local body.
- All salient features including the land details, proposed technology etc has to be clearly explained in the public hearing in local language.
- All proceedings have to be minitized and clear recommendation of the Public Hearing panel has to be obtained regarding mining operations at the site.

14. Case No. – 1697/2013- Sh. Vipin Kumar Chaurasiya, Near Old Nagar Nigam, P.O & District - Satna (M.P.) Pin Code – 485001- Environment Clearance for approval of 14.49 Ha Satri Sajjanpur Limestone Mine at Village-Satri Sajjanpur Tehsil-Rampur Baghelan, District- Satna, Madhya Pradesh.- TOR Case.

This is a mining project pertaining to mining of limestone in an area of 13.759 Ha. Production capacity proposed is --- MTPA. Application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare effective EMP for the project. PP and his consultant presented the salient features of the project, which revealed that the project is in vicinity of other two mining projects. The matter of EC of these cases is under consideration as Case No. 1696/2013 and 1694/2013. All the three projects pertain to mining of limestone. Further following details were observed:

- Lease was granted in favor of Shri Motilal Chaurasiya over an area of 14.49 ha for period of 20 years i.e. from 05.07.1972 to 04.07.1992.
- The legal Heir of Shri Motilal Chaurasiya is Shri Vipin Kumar Chaurasiya

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- The first renewal was applied for the period of 05.07.1992 to 04.07.2012.
- The mining lease is under renewal. The lessee has been applied for 2nd renewal on 01.07.2011 as per the provisions of Rule 24 of 1960 of MCR.
- Mine Lease area is 14.49 ha which is a private land (Non-Forest barren land).
- Production of 1,25,000 TPA (1,00,000 TPA of Limestone & 25,000 of Reject Stone) is proposed.

Project	Satri Sajjanpur Limestone Mine
Location	Village : Satri Sajjanpur, Tehsil : Rampur Baghelan District : Satna, State : Madhya Pradesh
Latitude	24 ^o 33'33.7" to 24 ^o 33'54.2" North
Longitude	80 ^o 58'15.4" to 80 ^o 58'32.4" East
Toposheet Number	63D/14
Cost of the Project	1.5 Crore
Mining Plan Approval	Mining scheme is approved on September 2004

Location

Road: The Lease area is 15 kms from Satna towards east on N.H. – 75 to Rewa. It is 15 kms on Satna- Rewa N.H. – 75 up to Sajjanpur and then 1.0 kms on approach road towards north. The lease area can be approached by own conveyance

Railway Station: is Hinouta Ramban on Satna – Rewa railway line at 1.5 kms in North-West direction

Airport: Satna about 13km West & Jabalpur about 1180km SW

Nearest Town : Satna about 15km in West

Physiography

- Elevation: 294m AMSL Towards SW to 289 m AMSL in NE
- Ultimate depth of mining: 20m BGL, upto 269m AMSL
- Ground water table: 30-35 BGL (254m-259m AMSL)
- Latitude: 24^o33'33.7" to 24^o33'54.2" North
- Longitude: 80^o58'15.4" to 80^o58'32.4" East

Environmental Sensitivity

- Tons River: About 5.5 km in SW
- Nari Nadi: About 8.5 km in North
- Chaura N: About 3.5 km in West
- Magardha : About 5 km in NE

Landuse pattern of MLA

S.N	LAND USE	PRESENT LAND	LEASE PERIOD END
1	Excavated area/ Pit	3.0	(13.13)
2	Total area under Dumps	0.25	-
3	Area under active Dump	-	-
4	Area under Infrastructure	0.05	Nil
5	Area under Road	0.10	-
6	Afforestation in barrier zone	0.50	1.36
7	Plantation in reclaimed area	-	3.42
8	Water reservoir	-	9.71
9	Undisturbed area	10.59	-
	TOTAL	14.49	14.49

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[A.P. Srivastava, Member]

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[R.K. Jain, Member Secretary]

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Budgets:

Capital Cost: Rs 1.5crore

SN	Description	Cost in Rs.
1	Land cost expenditure	Nil
2	Cost of infrastructure, Equipment, vehicles, Manpower, machineries, etc.	1,45,00,000.00
3	Environnemental protection (EMP)	2,00,000.00
4	Socio-economic development	3,00,000.00
	TOTAL	1,50,00,000.00

After deliberations committee approved the standard TOR to carry out EIA and prepare EMP for he project with inclusion of following additional point:

- Cummulative impact of the mines operating / proposed in the region has to be evaluated and accordingly an effective EMP shall be submitted.
- EIA report and public hearing for the project shall be conducted separtely and individual impact from this mine shall also be presented.
- Road network specially the rurals roads has to be presented in detail along with a plan for maintenance and conservation of all the roads being used or proposed to be used by the mine owners.
- A common CSR for the region has to be submitted duly agreed and signed by all the owners acopy of this CSR should be placed before the Gram-Sabha and approved by the local body.
- All salient features including the land details, proposed technology etc has to be clearly explained in the public hearing in local language.
- All proceedings have to be minitized and clear recommendation of the Public Hearing panel has to be obtained regarding mining operations at the site.

15. Case No. – 1698/2013 - Shri Ajay Kumar Pathak, Semariya Chowk, Chanakyapuri, P.O. & Distt - Satna (M.P), Pin Code-485001 Environment Clearance for approval of 8.094 Ha Limestone Mine at Village - Rampurchourasi, Tehsil - Raghuraj Nagar, District - Satna, (MP).- TOR Case.

This is a mining project pertaining to mining of limestone in an are of 13.759 Ha. Production capacity proposed is 50,000 TPA of Limestone & 25,000 TPA of Reject stone. Application was forwarded by SEIAA to SEAC for scopping so as to determine TOT to carry out EIA and prepare effective EMP for the project. PP and his consultant presented the salient features of the project, which revealed following:

- Lease was granted in favor of Shri Ajay Kumar Pathak over an area of 8.094 for period of 10 years i.e. from 17.02.1993 to 16.02.2003.
- Later Madhya Pradesh department of Mines, Bhopal letter vide no. 3-190/92/12/2 dated 22.05.2003, the mining lease was extended from 10 to 20 years i.e. upto 16.02.2013.
- Mine Lease area is 8.094 ha which is a private land (Non-Forest barren land).
- The lessee has been applied renewal application on 16.01.2012 as per the provisions of Rule 24 of 1960 of MCR.
- Proposed Production is 75,000TPA (50,000 TPA of Limestone & 25,000 TPA of Reject stone).

Salient features of the project:

Project	Rampur-Chourasi Limestone Mine
Location	Village: Rampur-Chourasi , Tehsil: Raghuraj Nagar District : Satna , State: Madhya Pradesh

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Latitude	24 ^o 38'04.4" to 24 ^o 38'19.8" North
Longitude	80 ^o 46'51.6" to 80 ^o 47'0.00" East
Toposheet Number	63D/14
Screening Category	"B"
Cost of the Project	1 Crore
Mining Plan Approval	Mining Scheme is approved on 19/01/2001. The mining plan is under approval.

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

- Cumulative impact of the mines operating / proposed in the region (if any) has to be evaluated and accordingly an effective EMP shall be submitted.
- Road network specially the rural roads has to be presented in detail along with a plan for maintenance and conservation of all the roads being used or proposed to be used by the mine owners.
- A CSR for the region has to be submitted the same should be placed before the Gram-Sabha and approved by the local body.
- All salient features including the land details, proposed technology etc has to be clearly explained in the public hearing in local language.
- All proceedings have to be minitized and clear recommendation of the Public Hearing panel has to be obtained regarding mining operations at the site.

16. Case No. – 1281/2013- Smt. Indu Bai Karade W/o Shri Ashok Karade, Ward No. 1, Opp. Bus Stop Nagpur Road, Linga, Tehsil-Mohkhed, District-Chhindwara (M.P.)- Environment Clearance for approval of 01.00 Hectares Stone/Boulder Quarry (Renewal) at Vill.-Duda Seoni, Teh.-Mohkhed, Dist.-Chhindwara (M.P.)

This is a case of mining of. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Vill.-Duda Seoni, Teh.-Mohkhed, Dist.-Chhindwara (M.P.) in 1.0Ha. The project requires prior EC before commencement of any activity at site. 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. It is also reported by the PP that no mining is either operating or proposed within 250 meters from the boundary of the proposed mining site.

PP has submitted copies of requisite information in the prescribed formats duly verified from DFO and the Tehsildar. The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- 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.
- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

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- Transportation of material shall be done in covered vehicles.
- Curtaining of site shall be done using appropriate media.
- Production of stone shall be $1000\text{ m}^3/\text{year}$ and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.
- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.
- PP shall take CSR activities in the region through the 'Gram Panchayat'.
- The amount towards land reclamation shall be deposited with the Collector for further execution of the activities under EMP.

Query Response Discussion

- 1. Case No. – 715/2012 - M/s Mahesh Marbles C/o Shri Sanjay Gupta, D-1, Samdariya City, Madhv Nagar, Katni (M.P.) – Expansion of mineral production & renewal of mining lease – Chapra Marble Mine ,Khasra No. 455, Village Chapra, Tehsil – Bahoriband, Distt. –Katni (M.P.) Lease Area- 8.690 ha. Proposed Capacity – 24,000 MT/Year. ToR Issued letter no. 559 dt. 17/09/12 EIA Presentation. (Env. Consultant –M/s Apex Minetech Udaipur (Raj))**

This is project pertaining to mining of Marble with Lease Area- 8.690 ha. and proposed Capacity – 24,000 MT/Year. This is operating mine and the application for grant of prior EC has been submitted in view of renewal of lease and enhanced production capacity. TOR was issued for the project vide letter dated 17/09/2012. The EIA / EMP were forwarded by SEIAA to SEAC for appraisal of the same. The EIA report and the EMP for the project were presented by the PP and his consultant in the 133rd meeting dated 15/05/2013. The presentation and submissions made by the reveals following:

Back Ground of the Project:

- Mahesh Marble a partnership concern obtained a mining lease near village Chhapra Tehsil Bahoriband, District Katni over an area of 8.690 Hect. In Khasra No. 455 for a period of 10 years w.e.f. 23.10.2002 to 22.10.2012.
- Status of applicant: M/s. Mahesh Marble is a partnership firm having following partners:-
Shri Sanjay Omnarayan Somani, Maharana Raj Singh Nagar, 100 Ft. Road,
Shri Sanjay Basant Gupta, A-15, New ACC Colony, Katni (Madhya Pradesh)
Shri Ritesh Omnarayan Somani,
Maharana Raj Singh Nagar, 100 Ft. Road, Rajsamand (Rajasthan)
Shri Manoj Kumar Laxminarayan Bajaj 5/334, Bajaj Bhavan, Near Rotary Club,
Ichalkaranji- 416115 (Maharashtra)
- Khasra No. 455 is a Govt. waste land.

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- Consent to operate under section 21 of the Air (Prevention & Control of Pollution), 1981 obtained by State Pollution Control Board for 80640 TPA vide letter No. 482/TS/Mine/MPPCB/2011 dated 14.1.2011.
- Proposal is for expansion & Renewal of mining lease.
- Increase in targeted Production of Marble from from 3000 m³ say 8000 TPA to 24,000 TPA.
- T.O.R. for expansion was obtained vide letter no. 558/ PS-MS/MPPCB/SEAC/TOR (99) 2012 dated 17.09.2012.
- Public hearing held on 22.03.2013 at Chhapra mine.

Location of the project:

Village	Chhapra
Tehsil	Bahoriband
District	Jabalpur
State	M.P.
Latitude	23°36'45" to 23°36'55" N
Longitude	80°12'24" 3 to 80°12'58" E
Topography	Plain
Altitude	432 to 427 mts. amsl.
Distance from nearest town	Sihora, 15 kms.
Nearest Highway	N.H.7 at a distance of 1.8 km.
Nearest Railway Station	Sihora, 15 kms
Village	Chhapra

Salient Features of the project:

Area	8.690 ha.
Govt. Waste land	8.690 ha.
Mineable Reserve	11,38,042 M.T.
Expansion capacity	8000 TPA to 24,000 TPA
Mining method	Opencast mechanized method.
Dimension of benches	6 m. (h) x 6-7 m. (w)
Stripping ratio	1: 1.16
Life of mine	47 years (based on reserve established and targeted production).
Five year working depth	24 mbgl

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Category of Bohariband block as per GEC	‘SAFE’
Project cost	Rs. 11.81 Crore
Reserve forest Jujhawal	3.5 km. in N/W
Reserve Forest Dhanwahi	5.2 km. S/E
Railway Line	5.3 km. S/E
D.M. Marble	0.5 km. N/W
Geetanjali	0.4 km. E
Sagar Mines	0.9 Km. S/E
Action Marbles	0.6 km. S/W
Kesarinandan Marbles	0.8 km. S/W

Salient features reported within the buffer zone (10 Km. Radius)

Nearest Highway	N.H. 7 Jabalpur Katni, at a distance of 1.8 km.
Nearest Railway Station	Sihora at a distance of 15 km.
Nearest Water bodies	Small water tank exist outside the lease area.
Nearest village	Chhapra, 3 km.
Nearest town/city	Sihora at a distance of 15 km.
Notified Archaeologically important places	Nil
Local places of Historical & Tourism Interest	Nil
Protected area as per Wildlife Protection Act, 1972	Nil
Reserved/Protected Forest	Nil
Defence Installation	Nil
Industries	Nil
Seismic Zone	Zone-II

Proposed EMP:

Air Pollution Control Measures as proposed are:

- Laying and maintenance of haul roads, providing fixed water sprinklers to minimize air-borne dust.
- Development of extensive green barrier around mine, around dump area along side roads, periphery of mine, etc. to arrest propagation of dust and noise as well as to control erosion.
- Moderate loading of dumpers carrying mineral & waste to avoid spillage & dust nuisance.
- Frequent water spraying/sprinkling on the roads, waste dump areas, etc, to suppress dust.

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- Improved preventive maintenance practices for reducing particulate matter, gaseous and noise emission from HEMM/mining machinery like shovels, dumpers, compressors, transport vehicles, etc.
- Using sharp teeth for shovel digger, other soil excavation equipments, etc. to reduce dust propagation.
- Using Tarpaulin over loaded transport vehicles.

Noise Pollution Control Measures

- Planting of native species along roads & Safety zone to act as acoustic barriers. So far 1000 number of saplings are already planted.
- Sound proof operator's cabin for equipments like dumpers, shovel, etc.
- Proper and regular maintenance of equipments may lead to less noise generation.
- Providing in-built mechanism for reducing sound emissions.
- Providing earmuffs to workers exposed to higher noise level.
- By suitable necessary administrative controls, it will be ensured that noise monitoring will be regularly done, so that necessary remedial measures are taken promptly to prevent exposure of personnel to excessive noise levels.
- Conducting regular health check-up of workers including 'Audiometric Test' for the workers engaged in noise prone area.

Water Environment – Control Measures

- Maintaining a proper gradient of 1° to 2° for drainage of water on the bench floors with drains.
- Construction of suitable garland drains around quarry area and external dumps with proper gradients to prevent silt entry into nearby water bodies by providing desilting checks/pits.
- Dump tops will be provided with proper sloping tapers.
- Construction of retaining wall around dump to prevent sliding and wash off effects.
- Sapling will also be planted along the foot & unused slopes to arrest and prevent erosion.

Land-use pattern of the core area (Upto lease period) – Area in Ha.

S. No.	Particulars	Existing land use pattern	After five years	At the end of Lease period
1.	Mining Pits	0.6420	0.6420	2.9560
2.	Storage for Top Soil	0.1470	0.1470	0.1470
3.	Overburden	0.2400	0.5000	1.5000
3.	Infrastructure	0.0100	0.0100	0.0100
4.	Roads	0.0180	0.0180	0.0180
5.	Green Belt	-	1.0000	1.0000
6.	Plantation inside lease area	1.000	1.0000	2.0000
7.	Plantation on waste dump	-	-	1.0000
8.	Water Reservoir	0.2500	0.2500	0.5000
9.	Reclamation (Backfilled)	-	-	-
10.	Total Used Area	1.0470	1.3070	4.6210

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11.	Total Unused Area	7.6430	7.3830	4.0690
	Total	8.6900	8.6900	8.6900

Public Hearing- Public hearing is reported to be conducted on 22.3.13. In general the PH was in favour of the project and no adverse issues were reported. Smt. Siya Bai (Sarpanch) Gram Panchayat – Chhapara has demanded two Bore wells for drinking water in view of water crises during summers. PP has committed for the same in public. PP has also committed Rs 2.0 Lac per year for development activities of village on demand of the Sarpanch.

PP was asked to submit response to various queries which was submitted by the PP and the same was examined in this meeting. The EIA, EMP and other submissions made by the PP were found to be satisfactory and acceptable; hence it was decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Maximum production shall not exceed 24000 MT / Year.
2. Maximum height of the OB shall not exceed 20 meters with appropriate angle of repose.
3. Slope of pits, benches and dumps shall be maintained as per guidelines of IBM and DGMS.
4. Garland drains shall be constructed around each OB and all the drains shall be connected to a settling tank of appropriate volume.
5. Run-offs from the mining site shall be checked through construction of check dams.

2. Case No. – 803/2012 - (103rd SEAC dated 12/09/12 - Annex- I,II & EMS) Shri Bablu Khan S/o Sh. Dhanne Khan, Village – Bavchia, Tehsil – Berasia, Distt. – Bhopal (M.P.) 463106 Bavchiya Stone / Boulder Quarry at Khasra No. 577/1/1KH, Village- Bavchiya, Tehsil – Berasia, Distt. – Bhopal (M.P.) (M.P.) Lease Area – 2.00 Ha., Proposed Capacity – 4500 MT \ period- 10 years.

The case was presented before the committee in the 103rd meeting dated 12/09/2012. The application was reconsidered in light of revised guidelines of SEIAA. PP has submitted the requisite information in the prescribed format after due validation from concerned DFO and the Tehsildar. The case is for mining of stone/boulder at Khasra No. 577/1/1KH Village- Bavchiya Distt.- Bhopal (M.P). The lease area is 2.00 Ha. It was submitted by the Pp that there is no mine in 250 meters around the proposed site. However, tehsildar Bairasia has reported a School at 500 meters from the site.

The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- 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.
- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.
- Curtaining of site shall be done using appropriate media.

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- Production of stone shall be 4500 m³/ year and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.
- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.

3. Case No. - 792/2012 - M/s RMG Super Mines Pvt. Ltd., Mr. Rajiv Mohan Gupta, Director, D-22, 74 Bungalows, South T.T. Nagar, Bhopal, (M.P.) -462003 Dhamdha Iron Ore, Laterite, Clay & Ochre Mining Lease at Khasra No. 93, Village- Dhamdha, Tehsil- Sehora, Distt. – Jabalpur (M.P.) Lease Area – 4.54 Ha., Proposed Capacity – 75241 TPA..

PP has requested for exemption of public hearing and permission to use available environment monitoring results in the EIA report, in view of operational big mines and beneficiation plants in vicinity of the proposed mine. As per the guidelines decided by SEIAA the case falls under category B-1, which includes Public Hearing. Further it is noteworthy that committee finds no merits in the said project in favour of local residents also there is no provision in the EIA notification based on which exemption from public hearing could be granted for this project, hence PP has to undergo the process of Public Consultation.

However, permission to use available environment monitoring data the same has already been recommended and approved in the issued TOR. Minutes of 119th meeting dated 02/02/2013 may be referred which states as follows:

If the base line data of the proposed site is available the same can be used in the EIA report subject to following:

- The monitoring / analyses data collected by an approved laboratory shall only be accepted.
- Data should not be older than 02 years.
- Used data has to be validated / updated so as to evaluate current base-line scenario.

4. Case No. - 458/2009 M/s Budwa Minerals Prop. Shri Kuwrendra Singh R/o Village- Budwa, P.O.- Budwa, Tehsil - Beohari, Distt. - Shahdol (M.P.) Sathni Ochre, White Clay & Laterite Mine of M/s Budwa Minerals, Village- Sathni, Tehsil-Beohari, Distt.- Shahdol (M.P.) Area- 46.847 Ha, Capa. - 1700 TPA (ToR issued vide letter no. 991 dt. 09/11/09)

The case issued TOR vide letter dated 09/11/2009. It is reported by the DFO Shahadol (North) that the site falls in forest compartment RF-03. The area falls within 10 Km from the Son Ghariyal Sanctuary of River Banas. In light of above information it is concluded that the project comes under category 'A' hence the case may be closed at MPSEIAA & be forwarded to MoEF for further necessary action.

5. 1403/2013 (130th SEAC Meeting dated 07th May 2013)– Shri Anandram Hasnandani, Anand Bhawan, Pratappura, Dist.-Burhanpur (M.P.)-450331-Lease Area – 2.00 Ha. Stone /Boulder Quarry, at Khasra No. –602/2, Village – Daryapur Kalan, Tehsil- Burhanpur, Distt. – Burhanpur (M.P.) Capacity – 12,000 Cubic Meter/Year, Lease Period – 10 Year.

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The case was presented before the committee in the 130th meeting dated 07/05/2013. PP has submitted the requisite information in the prescribed format after due validation from concerned DFO and the Tehsildar. The case is for mining of stone/boulder at *Khasra No. – 602/2, Village – Daryapur Kalan, Tehsil- Burhanpur, Distt. – Burhanpur (M.P.)*. The lease area is 2.00 Ha. It was submitted by the PP that there is no mine in 250 meters around the proposed site. The pit formed after mining shall be developed in to a water body. Committee has asked the PP to submit actual photographs of area including the excavated area and the reclamation executed so far. The same has been submitted and examined.

The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- 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.
- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.
- Curtaining of site shall be done using appropriate media.
- Production of stone shall be 2500 m³/ year and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.
- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.

6. Case No. 784/2012 (103rd SEAC Meeting dated dt. 12/09/12) Shri Jageswar Prajapati ,Owner C/o Shri P.D. Prajapati, Bundela Colony, Civil Line, Datia (M.P.) Pachara Metal Stone Quarry with Crusher, Khasra No.80/3, Village - Pachara, Distt. – Datia (M.P) Lease Area – 4.0 Ha., Proposed Capacity – 2500 Cubic Meter Per Year

The case was presented before the committee in the 103rd meeting dated 12/09/2012. The application was reconsidered in light of revised guidelines of SEIAA. PP has submitted the requisite information in the prescribed format after due validation from concerned DFO and the Tehsildar. The case is for mining of stone/boulder at *Khasra No.80/3, Village - Pachara, Distt. – Datia (M.P)*. The lease area is 4.00 Ha. It was submitted by the Pp that there is no mine in 250 meters around the proposed site. The pit formed after mining shall be developed in to a water body.

The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- 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.

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- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.
- Curtaining of site shall be done using appropriate media.
- Production of stone shall be 2500 m³/ year and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.
- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.

7. Case No. 843/2012 (107th SEAC Meeting dated dt. 11/10/12) Shri Deependra Singh S/o Sh. Rajendra Singh R/o Bhupati Bhawan Budhar, Ward No. – 14, Police Station, Budhar, Distt. – Shahdol (M.P.) – 231001 Stone Boulder Quarry at Khasra No.- 1004 Village – Dhangawan, Teh – Anuppur, Distt. – Anuppur (M.P.) Lease Area – 1.01 Ha., Capacity – Approx 12,000 Cu.M./ Year.

The case was presented before the committee in the 107th meeting dated 11/10/2012. The application was reconsidered in light of revised guidelines of SEIAA. PP has submitted the requisite information in the prescribed format after due validation from concerned DFO and the Tehsildar. The case is for mining of stone/boulder at *Khasra No.- 1004 Village – Dhangawan, Teh – Anuppur, Distt. – Anuppur (M.P.)*. The lease area is 1.01 Ha. It was submitted by the PP that there is no mine in 250 meters around the proposed site. The pit formed after mining shall be developed in to a water body.

The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- Appropriate measures shall be ensured to prevent river Kwari. MPPCB shall take the notice of the same while granting consent.
- 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.
- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.
- Curtaining of site shall be done using appropriate media.
- Production of stone shall be restricted to 6300 m³/ year only and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.

[S.C. Jain, Chairman]

[V.Subramanian, Member]

[A.P. Srivastava, Member]

[Ms Mohini Saxena, Member] [V. R. Khare, Member]

[K.P. Nyati, Member]

[R.K. Jain, Member Secretary]

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- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.

8. Case No. 806/2012 (102nd SEAC dated 11/09/12 & 105-106) Shri Nitendra Singh Rawat, S/o Shri Mishrilal Rawat, Village- Gohta, Tehsil – Vijaypur, Distt. – Sheopur (M.P.) 476332 - Nitendra Singh Rawat (1.0 ha Stone mine) at Khasra No. 656, Village- Arord, Tehsil – Vijaypur, Distt. – Sheopur (M.P.) Lease Area – 1.0 Ha., Proposed Capacity – 10,000 Cu.M./Year Mineral: Stone Crusher.

The case was presented before the committee in the 102nd meeting dated 11/09/2012. The application was reconsidered in light of revised guidelines of SEIAA. PP has submitted the requisite information in the prescribed format after due validation from concerned DFO and the Tehsildar. The case is for mining of stone/boulder at Khasra No. 656, Village- Arord, Tehsil – Vijaypur, Distt. – Sheopur (M.P.). The lease area is 1.00 Ha. It was submitted by the PP that there is no mine in 250 meters around the proposed site. The pit formed after mining shall be developed in to a water body.

The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- 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.
- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.
- Curtaining of site shall be done using appropriate media.
- Production of stone shall be restricted to 6500 m³/ year only and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.
- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.

9. Case No. - 1387/2013 (Case was discussed 128th SEAC Meeting dot. 26th April 2013 – Only Papers Send to SEIAA) Shri Arvind Singh Yadav S/o Shri Pancham Singh Yadav R/o Muhallah Kishore Ganj, Panna (M.P.) - 488001 Lease Area – 0.58 Ha. Farsi Patthar (Floor stone) Quarry at Khasra No. – 370, Village - Jhanihar, Tehsil - Pawai, Distt. – Punna (M.P.). Capacity – 3500 Cu.m.Per Annum, Lease Period – 10 Year.

[S.C. Jain, Chairman]

[V.Subramanian, Member]

[A.P. Srivastava, Member]

[Ms Mohini Saxena, Member] [V. R. Khare, Member]

[K.P. Nyati, Member]

[R.K. Jain, Member Secretary]

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SEIAA has forwarded the revised application and request of PP regarding change in the product name instead of stone/boulder the mining of Farsi-pathar is proposed. The case was considered in the 128th meeting dated 26/04/2013 and recommended for grant of prior EC. The case has already been recommended for mining of farsi pathar hence no further action is required in the matter, original papers may be returned to SEIAA.

10. Case No. 1529/2013 (132nd SEAC 14th May 2013) Shri Santosh Kumar Pandey S/o Shri Madan Mohan Pandey, Mandi Road, Panna Mod, Lalbahadur Shastri Ward-2, Katni (M.P.) Flag Stone (Farshi Pattar Mine) at Khasra No. – 78, 79, Village – Hardua, Tehsil- Pawai, Distt. – Panna (M.P.) **Lease Area – 0.87 Ha. Capacity – 1,000 Cubic Meter/Year, Lease Period 10 years.**

The case has been recommended in 132nd meeting dated 14/05/2013. PP has submitted request for considering the production capacity of 5000 m³ / Year instead of 1000 m³/ Year. The production capacity can not be changed as it is already high compared to the lease area.

11. Case No. 1551/2013 (132nd SEAC 14th May 2013) Shri Saurabh Porwal S/o Shri Nandkishore Porwal R/o Village – Aatri Buzurg, Tehsil – Manasha, Distt. – Neemuch (M.P.) 458113 Saurabh Porwal Stone/Boulder Mine (Unit -2) **Lease Area – 2.00 Ha. at Survey No. – 647 Meen-1, Village – Lodkiya, Tehsil - Manasha, Distt. – Neemuch (M.P.) Capacity – 5,000 Cubic Meter/Year. Lease Period – 10 Year.**

SEIAA has forwarded the information submitted by the PP at SEIAA. The case has already been recommended and forwarded to SEIAA hence the papers may be forwarded for further necessary action in the matter.

12. Case No. 912/2012 - (113th SEAC 18th Dec. 2012) Smt. Vinod Raje C/o Shri Krishna Pal Singh, Village Chapna, Post Chapna Tehsil- Vijayraghaugrah Dist. Katni (M.P) Stone mine, Area- 3.12 Ha Capa- 50,000 TPA at Khasra No. 611 village Mohini Tehsil- Barah, Dist.- Katni (M.P)

The case was presented before the committee in the 113th meeting dated 18/12/2012. The application was reconsidered in light of revised guidelines of SEIAA. PP has submitted the requisite information in the prescribed format after due validation from concerned DFO and the Tehsildar. The case is for mining of stone/boulder Khasra No. 611 village Mohini Tehsil- Barah, Dist.- Katni (M.P). The lease area is 3.12 Ha. It was submitted by the PP that there is no mine in 250 meters around the proposed site. The pit formed after mining shall be developed in to a water body.

The submissions made by the PP and the EMS submitted are found to be satisfactory and acceptable hence committee has decided to recommend the case for grant of prior EC subject to the following special conditions:

- 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.
- 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.
- PP shall be responsible for any discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- Transportation of material shall be done in covered vehicles.

[S.C. Jain, Chairman]

[V.Subramanian, Member]

[A.P. Srivastava, Member]

[Ms Mohini Saxena, Member] [V. R. Khare, Member]

[K.P. Nyati, Member]

[R.K. Jain, Member Secretary]

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- Curtaining of site shall be done using appropriate media.
- Production of stone shall be restricted to 19600 m³/year only and the average depth of the pits shall not exceed 7.00m at the end of 10 years.
- Appropriate arrangement shall be made for storage of materials at site in terms of covered yard.
- Appropriate air pollution control measures shall be placed in compliance to the consent of MPPCB for the proposed crusher.
- The proposed plantation should be carried out along with the mining and PP should take care that these plants attain full growth.
- The validity of the prior EC & the lease shall be for a maximum period of ten years only.
- Transportation shall not be carried out through forest area.

Meeting ended with thanks to the Chair and the members.

[S.C. Jain, Chairman]

[V.Subramanian, Member]

[A.P. Srivastava, Member]

[Ms Mohini Saxena, Member] [V. R. Khare, Member]

[K.P. Nyati, Member]

[R.K. Jain, Member Secretary]