The meeting conducted on 4th December 2012 was presided over by Shri S.C. Jain. Following members attended the meeting-

1. Shri K.P. Nyati, Member
2. Dr Mohini Saxena, Member
3. Shri A.P. Srivastava Member
4. Prof. V Subramanian, 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.

Consideration of the Projects

Following projects were taken up for discussion:

1. Case No. 638/2012 M/s IPCA Laboratories Ltd., Plot No. 1, Pharma Zone, SEZ Phase – II, Pithampur, Distt. – Dhar (M.P.) – 454775 - *Production of Synthetic Drugs (APIs) in the existing plant premises at 1, Pharma Zone, SEZ Phase II, Pithampur, Distt. - Dhar - M.P.[Existing Capacity Tablets(60 croes/annumn) Existing area – 19.84 ha. (No additional land is required for the proposed production project of Synthetic drug(APIs)* **For – EIA Presentation**

Env. Consultant: J.M. Environet Pvt. Ltd. Gurgaon (Haryana).

ToR issued vide letter no 366 dt.19/12/11.

Written request from PP has been received for considering the case in the next meeting. Committee has accepted the requested and decided to consider the case in coming meetings as per the turn.

2. Case No. 870/2012 Shri Lakhan Singh Yadav S/o Shri Mahendra Singh Yadav R/o Village – Chandadawani Khas, Tehsil - Orchha Distt. – Tikamgarh (M.P.) 472246 - Stone / Boulder Quarry of Lakhan Singh Yadav S/o Shri Mahendra Singh Yadav at Khasra No. – 215/3, Village – Chandawani Khas, Tehsil - Orchha Distt. – Tikamgarh (M.P.) Lease Area – 02.00 ha. Capacity – 40,000 Cu. M. Per Year. – To be appraised as per the SEIAA Policy

Env. Consultant: Not disclosed.

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP has submitted a request for consideration of the case in coming meetings of SEAC. Hence the committee decided to call the PP in any of the ensuing meetings as per turn.

3. Case No. 872/2012 - Smt. Uma Mishra, W/o Shri Ashok Mishra, Village – Madwas, Tehsil – Majhouli, Distt. – Sidhi (M.P.) 486601 - *Stone / Boulder Quarry of Uma Mishra W/o Shri Ashok Mishra at Khasra No. – 7/2, Village – Rampur, Tehsil-Majhouli, Distt. – Sidhi (M.P.) Lease Area – 0.99 ha. Capacity – 12,000 Cu. M. Per Year.* To be appraised as per the SEIAA Policy.

-Sd- (S.C. Jain) Chairman	-Sd- (K.P. Nyati) Member SEAC	--Sd- (V. Subramanian) Member SEAC	-Sd- (Dr Mohini Saxena) Member SEAC

-Sd- (V.R. Khare) Member SEAC	-Sd- (A.P. Srivastava) Member SEAC	-Sd- (R.K. Jain) Member Secretary

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Env. Consultant: Not disclosed.

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP has submitted a request for consideration of the case in coming meetings of SEAC. Hence the committee decided to call the PP in any of the ensuing meetings as per turn.

4. Case No. 874/2012 - Shri Vineet Singh Construction Company Pvt. Ltd., Maharana Pratap Colony, Yadunandan Nagar, Near Takshasila School - Bilaspur, Distt. - Bilaspur (C.G) 495223 - *Geruwar Metal Stone Quarry with Crusher at Khasra No. – 63/1, 63/2, 63/3, 63/4, Village – Geruwar, Tehsil- Semaria, Distt. – Rewa (M.P.) Lease Area – 1.214 ha. Capacity – 1,00,000 Cu. M. Per Year.* To be appraised as per the SEIAA Policy

Env. Consultant: Not disclosed.

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP has submitted a request for consideration of the case in coming meetings of SEAC. Hence the committee decided to call the PP in any of the ensuing meetings as per turn.

5. Case No. 875/2012 - Shri Sayyed Aslam C/o Shri Chandra Prakash, Rahul Textile 130, Niyamat Pura, Burhanpur, Distt. – Burhanpur (M.P.) - 450331- *Phopnar Khurd Metal Stone & Murum Quarry at Khasra No. – 182/1, Village – Phopnar Khurd, Distt. – Burhanpur (M.P.) Lease Area – 2.0 ha. Capacity – 10,000 Cu. M. Per Year.* To be appraised as per the SEIAA Policy

Env. Consultant: Not disclosed.

This is a mining project with MLA less than 5 hectare. The project was forwarded to SEAC by the SEIAA for appraisal on the basis of the policy decided by the SEIAA. The salient features of the project were presented by the PP before the committee.

Scrutiny of the project in view of policy issued by the SEIAA

SN	Attribute	Reported	Inference	Remark
1	Mineral	Stone/boulder	Cat. B-2	
2.	Mechanical sizing	Crusher proposed	Cat. B-1	
3.	Presence of other mining areas within 250 meters	No	Cat. B-2	
4.	Proposed lease period	10 years	Cat. B-1	

Submissions: PP had submitted the validated information in the format (annexure-1) prescribed by the SEIAA during the meeting, however the Env. Management Scheme in the format was not submitted by the PP.

PP was informed by the committee that the proposed project falls under the category B-1 and accordingly a TOR shall be issued to carry out EIA. PP requested to keep the project on hold in view of the expected review of the policy by SEIAA.

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6. Case No. 884/2012 - Shri Vinod Kumar, Executive Director, M/s MCL Global Steel Private Limited, 22/2, Yaswant Niwas Road, Near Rani Sati Gate- Indore, Distt. - Indore (M.P.) – 452003 *Manufacturing Unit of Billets of Stainless Steel & Plain Carbon Steel & Alloy Steels & Rolling Mill at Plot No. 164 A & 164 B, Sector-III Industrial Area - Pithampur, Distt. – Dhar (M.P.)(Capacity: Billets of Stainless Steel & Plain Carbon Steel & Alloy Steels - 2,08,000 TPA, Rolling Mill- 1,00,000 TPA (* Expected cost of project – Rs. 181.0 Crores*)-* For TOR

Env. Consultant: M/s Creative Enviro Services, SR-4, Shriram Kunj, E-8, Bharat Nagar, Bhopal (M.P.)

This is a manufacturing unit pertaining to manufacturing of Billets of Stainless Steel & Plain Carbon Steel & Alloy Steels & Rolling Mill. The production capacity is reported to be - Billets of Stainless Steel & Plain Carbon Steel & Alloy Steels - 2,08,000 TPA, Rolling Mill- 1,00,000 TPA**.** Such projects are covered at SN 3 (a) of the Schedule of EIA Notification hence are required to be appraised for prior Ec before commencement of any activity at site. The case was forwarded by SEIAA to SEAC for scoping. The salient faetures and the proposed TOR was presented by the PP and his consultant before the committee which reveals following:

Location Details:

- Project is Located in : Industrial Area : 164A, 164B Sector 3, Pithampur, Dist. Dhar (M P.) Site Location: Latitude - 22° 36'N, Longitude - 75° 40'E.
- National Highways: Mumbai- Agra National Highway 25 km away from factory
- Nearest Railway Station: Rau 30 km away
- No Defense Area, Historical Monuments, Wildlife Sanctuary and National Park in the 15 Km radius of the project Site.

Surrounding Industries:

M/s Anglo French -North
M/s Pratap Steel -East
M/s Larsen & Toubro -South
Open Land -West

Other nearby Industries

M/s L & T Case Equipments Pvt. Ltd.. , Mittal Corp. ltd. Unit II
M/s Indore Wire, TATA Steel

Product & Capacity

- Billets of Stainless Steel, Plain Carbon Steel & Alloy Steels.
- Capacity: 2,08,000 TPA.
- Rolling Mill : 1,00,000 TPA

Proposed Land use Break - up

Total land of factory	106200 sqm
Proposed built up area	9000 sqm
Utility Building	1000 sqm
Road	2000 sqm
Storage area	1000 sqm

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Proposed Green belt Open area	38000 sqm
Open Area	55200 sqm

Raw Material Requirement

Units	Raw Material	Qty. in TPA
EAF	DRI	103,600
	Purchased Scrap	98,400
	Lime	10,800
	Calcined Dolomite	3,600
	Carbon Injection	9,000
	Charchged Carbon	5,400
	Aluminium	100
	Fluorspar	200
LF	SiMn	1610
	FeSi	280
	FeMn	620
	FeCr	770
	FeTi	10
IF	FeCr	28,990
AOD	Lime	3,920
	Calcined Dolomite	6,300
	FeMn	11,400
	FeSi	900
	Ni	2,400
	Cu	1,000

Fuel – CNG for Rolling Mill

Sources of Air Emission & Control Measures

Sources	Control Equipments
EAF/ Induction Furnace & LF	Type of hood to capture fumes – Canopy Type Outlet Stack emission system < 50 mg/Nm^3

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	Type of filter Used – Reverse Pulse Jet cleaning
AOD	Type of hood to capture fumes – Canopy Type Outlet Stack emission system < 50 mg/Nm^3 Type of filter Used – Reverse Pulse Jet cleaning Nos of filter – 720 Nos.
D. G. Set (500 KVA)	Acoustic Canopy shall be installed.

- Stack height – 40 m equipped with Fume extraction system and Bag filter. The Chimney shall be separate for both IF & AOD. Separate chimney shall be installed with Rolling Mill.
- To control the fugitive emission all internal road shall be made pucca.
- All material handling points are covered.

Water requirement in the project: Water shall be used for cooling purpose only and always is in closed circuit

- Construction Phase - 15 k ld Source: MPAKVN
- Operational Phase - 1200 kld Source: MPAKVN

Waste Water Generation and management

- No process wastewater is reported to generate.
- Waste water shall be generated from DM/Softener the same shall be collected in pond and used for plantation and dust suppression
- Wastewater is being generated from domestic use only.
- Septic tank attached with soak pit shall be provided for treatment of domestic waste.

Solid Waste & Hazardous Waste

- ❖ Used oil from the D.G. set will be generated approx. 2000 liters in a year. This is proposed to be disposed off through authorized recyclers.
- ❖ Slag: Approx. 1000 MT per month.

  Disposal: Used in the plant premises for low land filling and internal road construction.

Budget for Environmental Protection

Particular	Total Cost (Rs. In Lacs)
Air Pollution Control	700.0
Rain water harvesting	3.0
At source and ambient air quality monitoring	5.0
Green area development	5.0
Establishment of environmental management cell and environmental monitoring	3.0
Total capital expenditure	716.0

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Recurring expenditure on environmental management cell and on pollution control system	25.0

Green Belt Development

- It is proposed that the industry shall plant 1500 trees and shrubs of various types including Neem, Sisham, Gulmohar, etc., in the factory premises every year for next 5 years.
- The industry has proposed to left 38000 sqm of land for plantation, (almost 35% area of the total land)

Budget for Proposed CSR

CSR Field	Fund allocated (Annually)
Education/Training	2,50,000/-
Infrastructure	2,00,000/-
Medical Facilities	1,50,000/-
Religious purpose	50,000/-
Total	6,50,000/-

After deliberations committee has accepted the proposed TOR with inclusion of following points to prepare EIA /EMP:

1. The technology opted should be detailed out with special reference to its composite and advanced features. Proponent should ensure that the technology proposed is not an obsolete imported technology.
2. Copy of the notification whereby the Pithampur has been declared as Industrial Area has to be submitted.
3. Proposal for green-belting of the proposed plot area to be submitted.
4. Statement of existing plants with proposed plantation scheme to be furnished with EIA.
5. Commitment letter from the concerned department for uninterrupted supply of water for the project to be furnished with EIA report.
6. The base-line data which is reported to be under collection may be used in the EIA but data older than 2 years cannot be used for the purpose without validation.
7. Water conservation options to be explored such as cutting down the losses in cooling process etc.
8. Water consumption while cooling of hot gases should be included in the water balance.
9. Heat recovery for pre-heating of furnace to be explored and implementation plan for the same to be submitted with EIA report.
10. Metal analyses (including the associated toxic metals) at every stage with complete chemistry to be furnished with EIA. All analyses should be carried out through NABL / EPA approved laboratory.
11. Scrap Management to be furnished separately in the EIA report.
12. Model TOR as prescribed by the MoEF vide letter dated 04/12/2012 shall be followed while preparing the EIA/EMP.

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7. Case No. 885/2012 - Shri Nivedan Bhardwaj, M.D., M/s Fortune Stones Ltd. 11, Bungalow No. – 2, Lokanathpurm, Sagar Road, Distt. -Chhatarpur (M.P.) – 471001 *Expansion of Katahara Granite Quarry at Khasra No. – 901, Village – Katahara, Tehsil – Lovekush Nagar, Distt. – Chhatarpur (M.P.) Lease Area – 6.00 ha. Capacity: 20,000 Cubic meter per year (Existing Capa. – 7000 Cubic meter per year)*- For TOR

Env. Consultant: M/s Creative Enviro Services, SR-4, Shriram Kunj, E-8, Bharat Nagar, Arera Colony, Bhopal (MP)

This is a case of expansion of a mining project in *6.00 ha* MLA with proposed production capacity to the tune of *20,000 Cubic meter per year of Granite*. The project is covered in EIA notification at SN 1(a) of the Schedule. As MLA is less than 50 Ha and the proposed site is does not falls within 10 Km from any of the features mentioned in the general conditions the project has to be appraised by the SEIAA / SEAC. PP has applied for expansion of capacity from 7000 m3 / year to 20,000 m3 per year. The application and the relevant papers for the project were forwarded by the SEIAA to SEAC for scoping. It was informed by the PP that the mine is having valid EC from MPSEIAA (MoEF) and consents from MPPCB and only production capacity is intended for expansion without any change in MLA. PP and his consultant presented the salient features of the project, which reveals following:

Back ground of project

Existing capacity	7,000 cum per annum
Proposed Capacity	20,000 cum per annum
Location of Project	Village- Katahara Tehsil- Lovekush Nagar, Dist Chhatarpur (MP)
Occupancy of land	Govt. denuded protected forest land
Lease Period	20 Year from 04-07-2008
Environmental clearance	225/EPPCO-SEIAA/10 dated 13/7/2010
Altitude of Site	276-211 AMSL
Khasra no./ Forest compartment no.	901 & Forest Compartment No. 703

Existing and proposed activities under Corporate Social Responsibility

Existing Activity	Exp. Incurred
Samuhik Kanya Vivah: year 2009	Rs. 1,48,593.00
Deeping of local pond (Kathara)	Rs. 2,5000.00
Free Medical Camp (Eye & Dental check-up) Lovekush nagar – 26.12.2011	Rs. 50,000.00
Making of Hospital Building (Kathara)	Rs. 2,00,000.00
Provision of Doctor and Compounder in Hospital (Kathara)	Rs. 1,80,000.00 per year
Local Area Development Fund	Rs. 8,00,00,000.00

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Free drinking water supply facility for nearby village by Tanker	Rs. 1,00,000.00
Proposed activity	
Free Medical Camp	Rs. 1,00,000.00
Free drinking water supply facility for nearby village by Tanker	Rs. 1,00,000.00

Location of the project:

Quarry Area	6.0 ha
Geological Location	Latitude – 25°04'09.89", Longitude- 80°00'06.62"
Nearest City	Lovekush Nagar - 5.0 km
Nearest Railway Station	Khajuraho about - 35.0 km
Nearest Airport	Khajuraho about - 35.0 km
Nearest State Highway	Chhatarpur to Laundi SH – NW - 4.90km
Nearest Village	Katahara - NE - 0.2km
Reserved Forest	Silpatpura PF - S - 0.2km Lauri PF - N - 6.5km Gurha PF - NNE - 7.0km
River/Nalla/Canal	Urmal Nadi - WWS - 5.0km Mahan Nalla - SSE - 6.5km Mudiha Ghat Nalla - SE - 1.5km Khamuwah Nalla - E - 4.5km Sangalri Nalla - SSE - 7.5km Jamnyahi Nalla - EEN - 9.0km Gohal Nalla - EEN - 9.0km Basaha Nalla - NNE - 4.5km Man Sagar - N - 5.0km
Other quarry within 500 meter radius	02 (same lessee)

Salient feature of the quarry

Particulars	**Details**
Type of Quarry & Method	Open Cast & Mechanised
Quarry Area	6.0 ha
Mineable Area	6.0 ha
Existing Pits	5.20 ha
Existing Dumps	0.70 ha

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Infrastructure and road	0.10 ha
Mineral Storage/sub-grade	Nil
Plantation	Nil
Recoverable Reserve	114241 cum
Proposed Capacity	20,000 cum
Ultimate Pit Slope	60^o
Expected Life of Mine	6years from 2012
Ultimate Depth of Mining	Upto 215 AMSL
Average mRL	276-211 AMSL
Ground water table	
Monsoon period Dry month	9 m bgl (202AMSL) 11 m bgl (200AMSL)

Conceptual Plan

Items	Existing	At the end of lease period
Total quarry area	**6.0 ha**	
Mineable area	6.0 ha	
Ultimate depth of mining	Nil	Upto 215 AMSL
Ultimate pit slope	Nil	60^o
Area under dumps	0.70 ha	Nil
Area under pits	5.20 ha	6.0 ha
Overburden quantity	80000 cum	947096cum
Area to be reclaimed	Nil	6.0 ha
Infrastructure & Road	0.10 ha	Nil
Plantation	Nil	6.0 ha

Water Requirement for the Project:

Water Consumption (Avg.)	Wire saw - 8.0 kl per day Dust Suppression – 8.0 kl per day Domestic activity – 3.0 kl per day Green Belt - 4.0kl per day

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Waste Water Generation	Only from domestic section, taken care by Soak pit/Septic tank arrangement
Source of water	For dust suppression & green belt - Tanker For mine worker- from existing hand pump/ borewell

Mining Method

- Opencast mechanical method of mining has been carried out and same will be continue.
- Debris, rubbish etc termed as overburden formed and accumulated to be removed by excavator and tipper and dumped in the dumping yard
- Mining of granite with drilling & blasting with a very little charge just to spilt out.
- Drilled holes are made side ways in the blasted zone by Tractor Mounted Compressor (TMC) one after another in close succession on one vertical surface of the blasted zone.
- Blasting salt are put in the drilled holes and the face thus drilled is lighted and blasted.
- Big chunks of granite that come after blasting are then handled.
- Granite blocks acquired irregular edges and surface are called "Random Blocks". The edges and surfaces of random blocks are cut by chiselling manually and granite blocks are ready for despatch.
- Generally in a granite bench a block of granite with 2m width X 2m length X 1.5m height will be selected.
- Loading of the block of granite will be done by mobile crane and Loading of overburden will be hauled by loader cum dumper combination.

Solid Waste Management

- Recovery percentage of granite is only 12% hence mine waste is 88% of total ROM,
- No soil present in the area and overburden is in form of weathered granite. This is sandy in nature and mixed with kankar in loose form.
- The mine waste is in the form of weathered granite and cavity filled with murrum and clay.
- During the first five year about 733335 cubic meters of mine waste/ OB will be generated.
- The waste will be dumped towards south west at a distance of about 500m in own land purchased for the purpose. This is outside of the lease area and is non-mineralised.
- During the quarry period total 867096 cubic meter of mine waste will be generated, which will be used for backfilling purpose.
- Weathered granite/mine waste will be used for backfilling and reclamation purpose. Reclamation will be start only after the full thickness of granite will be mined out
- During the quarry period about 6.0 ha area will be backfilled.

Air Pollution Control Measures

- Frequent Water spraying has already been carried out on the haulage roads, services road & dump area and same practice will be continue in future also.
- Considering the location of village (north east direction), dumping has been done in North West and South direction.
- Over burden dumps will not be left active for longer period and will be used for reclamation purposes.

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- Over burden dumps will be temporary stabilized with legumes and grasses to prevent the erosion of soil and to arrest the dust emission during windy days.
- Water has already been sprayed over the muck pile and dumps to reduced the dust generation;
- Dust mask has already been provided to all workers.
- Regular maintenance of vehicles and machines has been carried out in order to control emissions;
- Cutting tools for granite have been used with the spray of water to reduce the dust emission.
- During the drilling of granite block, water has been sprayed, so reduced the dust emission.

Noise Level Control Measures

- Blasting is an occasional and impulsive event, which is proposed to be carried out in an isolated manner.
- No workforce is being allowed during blasting time. The noise generating points are being kept enclosed.
- The workforce working at the mining have been provided with protective device for occupational safety.
- The formation of internal dump and green belt development will also muffle the noise to a great extent.
- Regular maintenance of machines and vehicles is being carried out regularly. All moving parts of machine are being properly lubricated.

Water Pollution Control Measures

- Deepening of village pond has been carried out by the proponent.
- No dumps have been created in north direction, to prevent the silt flow to the pond.
- Garland drain has been provided all around the existing dumps
- Retaining wall has been made along the slope of hill, which restrict/retain the loose particles.
- Garland drain has also been provided the foot of the hillock in north and north east direction to prevent the flow of silt towards the village and pond.

Afforestation plan

Requirements of plants for afforestation/reclamation										
Year	**Un-worked area green belt**		**Backfilled area**		**Inside Dumps**		**Top soil dumps**		**Total**	
	Area (Cum)	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**No. of Trees**
Presently	Nil	Nil	-	-	-	-	-	-	Nil	Nil
6th year to Quarry	6.0	750	2.0	3000	-	-	-	-	2.5	3750

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period										
Total	1.0	1500	2.0	3000	-	-	-	-	3.0	4500

After deliberations committee has approved the TOR proposed by the PP to carry out EIA / EMP with inclusion of following points:

1. Information pertaining to Corporate Environmental Responsibility (CER).
2. Compliance report for compliance of EC conditions duly verified from the Regional Office of MoEF to be included.
3. Compliance report for compliance of the conditions of consents duly validated from the MPPCB to be included.
4. Additional air monitoring shall be conducted and reported close to the boundaries of nearby forest area.
5. As reported by the PP that no blasting shall be carried out a written affidavit in this regard shall be submitted.
6. Impacts due to transportation shall be elaborated in view of enhanced production capacity.
7. Production data for last 5 to 10 years duly verified from the mining department has to be submitted.
8. Air / water quality data for the last 5 years to be submitted.
9. Real time photographs of the site showing present status of plantation and other features of the site to be included in the compliance as separate chapter.
10. The activities already executed and those proposed under the CSR to be presented in the EIA along with the expenditure incurred (audited).
11. All other TORs' as issued to other mining projects shall be applicable.

8. Case No. 886/2012 - Shri Nivedan Bhardwaj, M.D., M/s Fortune Stones Ltd. 11, Bungalow No. – 2, Lokanathpurm, Sagar Road, Distt. -Chhatarpur (M.P.) – 471001 - *Expanssion of Katahara Granite Quarry at Khasra No. – 901, Village – Katahara, Tehsil – Lovekush Nagar, Distt. – Chhatarpur (M.P.) Lease Area – 21.736 ha. Capacity – 40,000 Cu. Meter Per Year (Existing Capa. – 10000 Cubic meter per year)* For TOR

Env. Consultant: M/s Creative Enviro Services, SR-4, Shriram Kunj, E-8, Bharat Nagar, Arera Colony, Bhopal (MP)

This is a case of expansion of a mining project in *21.736 ha* MLA with proposed production capacity to the tune of *40,000 Cubic meter per year of Granite*. The project is covered in EIA notification at SN 1(a) of the Schedule. As MLA is less than 50 Ha and the proposed site is does not falls within 10 Km from any of the features mentioned in the general conditions the project has to be appraised by the SEIAA / SEAC. PP has applied for expansion of capacity from *10000* m3 / year to 40,000 m3 per year. The application and the relevant papers for the project were forwarded by the SEIAA to SEAC for scoping. It was informed by the PP that the mine is having valid EC from MPSEIAA (MoEF) and consents from MPPCB and only production capacity is intended for expansion without any change in MLA. PP and his consultant presented the salient features of the project, which reveals following:

Back ground of project

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Objective	To obtain Environmental Clearance For capacity expansion of Katahara Granite mine (21.736 ha)
Existing capacity	10,000 cum per annum
Proposed Capacity	40,000 cum per annum
Location of Project	Village- Katahara Tehsil- Lovekush Nagar, Dist Chhatarpur (MP)
Occupancy of land	Govt. denuded protected forest land
Lease Period	20 Year from 04-07-2008
Environmental clearance	248/EPPCO-SEIAA/10 dated 22/7/2010
Altitude of Site	296-212 AMSL
Khasra no./ Forest compartment no.	901 & Forest Compartment No. 703

Settings of the Project:

Quarry Area	21.736 ha
Geological Location	Latitude – 25°04'10.60", Longitude- 80°00'15.03"
Nearest City	Lovekush Nagar - 5.0 km
Nearest Railway Station	Khajuraho about - 35.0 km
Nearest Airport	Khajuraho about - 35.0 km
Nearest State Highway	Chhatarpur to Laundi SH – NW - 4.90km
Nearest Village	Katahara - NE - 0.2km
Reserved Forest	Silpatpura PF - S - 0.2km Lauri PF - N - 6.5km Gurha PF - NNE - 7.0km
River/Nalla/Canal	Urmal Nadi - WWS - 5.0km Mahan Nalla - SSE - 6.5km Mudiha Ghat Nalla - SE - 1.5km Khamuwah Nalla - E - 4.5km Sangalri Nalla - SSE - 7.5km Jamnyahi Nalla - EEN - 9.0km Gohal Nalla - EEN - 9.0km Basaha Nalla - NNE - 4.5km Man Sagar - N - 5.0km
Other quarry within 500 meter radius	02 (same lessee)

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Salient feature of the quarry

Particulars	Details
Type of Quarry & Method	Open Cast & Mechanised
Quarry Area	21.736ha
Mineable Area	20.75ha
Existing Pits	16.800 ha
Existing Dumps	1.80 ha
Infrastructure and road	0.0384 ha
Mineral Storage/sub-grade	Nil
Plantation	0.1 ha
Recoverable Reserve	209121Cum
Proposed Capacity	40,000 Cum
Ultimate Pit Slope	60^{o}
Expected Life of Mine	5 years
Ultimate Depth of Mining	9m bgl
Average mRL	296-212AMSL
Ground water table	
Monsoon period Dry month	10m bgl (202AMSL) 12m bgl (200AMSL)

Conceptual Plan

Items	Existing	At the end of lease period
Total quarry area	21.736ha	
Mineable area	20.75 ha	
Ultimate depth of mining	Nil	9m bgl
Ultimate pit slope	Nil	60^{o}
Area under dumps	1.80 ha	Nil
Area under pits	16.80 ha	20.75 ha
Overburden quantity	180000 cum	1646675 cum
Area to be reclaimed	Nil	20.75 ha
Infrastructure & Road	0.0384 ha	0.0384 ha
Plantation	0.1 ha	21.736 ha

Water requirement for the project:

Water Consumption (Avg.)	Wire saw - 12.0 kl per day Dust Suppression – 8.0 kl per day Domestic activity – 4.0 kl per day Green Belt - 4.0kl per day
Waste Water Generation	Only from domestic section, taken care by Soak pit/Septic tank arrangement

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Source of water	For dust suppression & green belt - Tanker For mine worker- from existing hand pump/ borewell

Solid Waste Management:

- Recovery percentage of granite is only 12% hence mine waste is 88% of total ROM,
- No soil present in the area and overburden is in form of weathered granite. This is sandy in nature and mixed with kankar in loose form.
- The mine waste is in the form of weathered granite and cavity filled with murrum and clay.
- During the first five year about 1466675 cubic meter of mine waste/ OB will be generated.
- The waste will be dumped towards south west at a distance of about 500m in own land purchased for the purpose. This is out side of the lease area and is non-mineralised.
- During the quarry period total 1533557 cubic meter of mine waste will be generated, which will be used for backfilling purpose.
- Weathered granite/mine waste will be used for backfilling and reclamation purpose. Reclamation will be start only after the full thickness of granite will be mined out
- During the quarry period about 20.75ha area will be backfilled.

Air Pollution Control Measure Proposed in the project:

- Frequent Water spraying has already been carried out on the haulage roads, services road & dump area and same practice will be continue in future also.
- Considering the location of village (north east direction), dumping has been done in north west and south direction.
- Over burden dumps will not be left active for longer period and will be used for reclamation purposes.
- Over burden dumps will be temporary stabilized with legumes and grasses to prevent the erosion of soil and to arrest the dust emission during windy days.
- Water has already been sprayed over the muck pile and dumps to reduced the dust generation;
- Dust mask has already been provided to all workers.
- Regular maintenance of vehicles and machines has been carried out in order to control emissions;
- Cutting tools for granite have been used with the spray of water to reduce the dust emission.
- During the drilling of granite block, water has been sprayed, so reduced the dust emission.

Noise level control measures:

- Blasting is an occasional and impulsive event, and shall be carried out in an isolated manner.
- No workforce has been allowed during blasting time. The noise generating points have been enclosed.
- The workforce working at the mining have been provided with protective device for occupational safety.
- The formation of internal dump and green belt development will also muffle the noise to a great extent.
- Regular maintenance of machines and vehicles have been carried out regularly.

Water Pollution Control Measures proposed:

- Deepening of village pond has been carried out by the proponent.
- No dumps have been created in north direction, to prevent the silt flow to the pond.

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- Garland drain has been provided all around the existing dumps
- Retaining wall has been made along the slope of hill, which restrict/retain the loose particles.
- Garland drain has also been provided the foot of the hillock in north and north east direction to prevent the flow of silt towards the village and pond.

Afforestation plan

REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	**Unworked area green belt**		**Backfilled area**		**Inside Dumps**		**Top soil dumps**		**Total**	
	Area Ha	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**Trees**	**Area (Ha)**	**No. of Trees**
Presently	0.1	100	-	-	-	-	-	-	0.1	100
1st to 5th year	0.5	500	-	-	-	-	-	-	0.5	500
6thyear to Quarry period	-	-	21.136	21136	-	-	-	-	21.136	21136
Total	0.6	600	21.136	21136	-	-	-	-	21.736	21736

After deliberations committee has approved the TOR proposed by the PP to carry out EIA / EMP with inclusion of following points:

1. Information pertaining to Corporate Environmental Responsibility (CER).
2. Compliance report for compliance of EC conditions duly verified from the Regional Office of MoEF to be included.
3. Compliance report for compliance of the conditions of consents duly validated from the MPPCB to be included.
4. Additional air monitoring shall be conducted and reported close to the boundaries of nearby forest area.
5. As reported by the PP that no blasting shall be carried out a written affidavit in this regard shall be submitted.
6. Impacts due to transportation shall be elaborated in view of enhanced production capacity.
7. Production data for last 5 to 10 years duly verified from the mining department has to be submitted.
8. Air / water quality data for the last 5 years to be submitted.
9. Real time photographs of the site showing present status of plantation and other features of the site to be included in the compliance as separate chapter.

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10. The activities already executed and those proposed under the CSR to be presented in the EIA along with the expenditure incurred (audited).
11. As two mines are reported within 500 meters a cumulative study is also required.
12. All other TORs' as issued to other mining projects shall be applicable.

9. Case No. 579/2010 - M/s Sandesh Developers & Builders, Plot No.- 1, Gopal Nagar, Nagpur (M.H.) 440022 - For- EIA Presentation.*Manganese Ore Mine at Khasra No.- , Village – Kamthi, Tehsil – Lalbara, Distt. – Balaghat (M.P.) Lease Area – 17.558 ha. Capacity – 858 TPA*
Env. Consultant: M/s Creative Enviro Services, SR-4, Shriram Kunj, E-8, Bharat Nagar, Arera Colony, Bhopal
ToR issued vide letter no 84 dt 26/02/11

This is a mining project in *17.558 ha* MLA with production capacity to the tune of 858 TPA of Manganese Ore. The project is covered in EIA notification at SN 1(a) of the Schedule. As MLA is less than 50 Ha and the proposed site is does not falls within 10 Km from any of the features mentioned in the general conditions the project has to be appraised by the SEIAA / SEAC. The EIA report for the project was forwarded by the SEIAA to SEAC for appraisal. PP and his consultant presented the salient features of the project along with detailed EIA / EMP and public hearing proceedings, which reveals following:

Background of Project

Production capacity	858 TPA
Location of Project	Village-Kamathi, Tehsil- Lalbarra, Dist Balaghat (MP)
Kharsra No.	278/2, 278/3, 278/4, 278/5, 278/6, 278/7, 278/8, 278/9, 281, 283, 284/1, 284/2, 285, 286, 287, 288, 289/1-2, 291/1-3, 292/1-2, 293, 294/1-9, 295/1-3, 296/1-2, 297, 298/1-5, 299/1-2, 300, 301
Lease Period	06.02.2012 to 05.02.2032
Geological Location	21°51'36.6'' to 21°52'8.68'' N 80°1'1.75" to 80°1'17.00'' E
Altitude of Site	Average Elevation- 300-299 mRL

Submissions made:
NOC from forest department, NOC from Gram-sabha, Certificate for inter-state boundary and Lease deed, etc.

Settings of the project:

S. N	Particulars	Details
1	Locations	Village- Kamathi, Tehsil- Lalbarra, Dist- Balaghat (MP)
2	Coordinate	21°51'36.6'' to 21°52'8.68'' N and 80°1'1.75" to 80°1'17.00'' E
3	Height above mean sea level	300 – 299 mRL
4	Nearest City	Waraseoni – 11 km

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5	Nearest Railway Station	Savangi – 8 km - S
6	Nearest Airport	Nagpur -130 km
7	Nearest Highway	Katangi-Lalbara PWD Road -1.5km - E
8	Nearest Village	Kamathi tola - 0.6km - E
9	Hills/Valleys	None within 10km radius
10	Ecological Sensitive Zone	None within 10km radius
11	Reserve Forest	Sonewani RF - 3.5km - NW
12	Historical Place	None within 10km radius
13	Nearest River/ Nalla	Chandan River - 7.75km - S Tondiya Nalla - 2.2km - S Kamathi Talab - 0.4km - W Kas Nalla - 8.0km - SW Katangjhari Tank - 6.5km - WWS Sarthi Nadi - 6.0km - N Sarthi Tank - 8.25km - NW Pathri Tank - 3.0km - SE Wanganga Main Canal - 6.7km - E

Public Hearing:

Public hearing for the project was conducted on 07.06.2011 at Mine Premises, Village-Kamathi, Dist-Balaghat (MP). Total 84 people have been reported to attend the public hearing and about 30 written suggestions given during the public hearing.

In general no adverse comments have been observed in the public hearing. Shri Tikaram and others from village Kamathi have raised the issue regarding mining in agriculture land, consent of farmers and security of school and residents while mining is carried out. PP has responded to the issue. Issue pertaining to land acquisition and compensation was also raised by Shri Arkur Boreker, Shri Vinod Tiwari, Shri Prahalad Gondia and others.

Socio-Economic Activities: Following budgetary provisions have been proposed by the PP towards CSR:

Sr. No.	Activity	Amount in Rs
1.	Pitching Should be made of local pond	Rs. 50,000/-
	Total	50,000/-
Proposed Exp towards the Socio Economic activity		
1.	Eye camp at Village	Rs. 50,000/-
2.	Fund Allocation	Rs. 50,000/-
	Total	Rs. 1,50,000/-
During the mansoon period, non-mineralised cultivable land, which is owned by PP will be given for agricultural purpose to the villagers		

Salient Feature of the Mine

Particulars	Details
Type of Mine	Open Cast

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Mining Lease Area	17.558 Ha
Mineable area	0.696 2 Ha
Existing Pits & Quarries	0.0164 Ha
Overburden/ Dumps	Nil
Infrastructure and Administrative Building	Nil
Green Belt	Nil
Geological Reserve	6739.88 tonnes
Mineable Reserve	6065.692tonnes
Ultimate Depth of Mining	4mbgl (295mRL)
Ultimate Pit Slope	45^{o}
Proposed capacity of mines	858 tonnes per annum
Expected Life of Mines	05 years
Lease Period	20 year up to 2032
Mode of transportation of Manganese Ore	Road
Area to be covered under dumps	0.4111ha
Area covered under pit	0.6962ha
Area to be reclaimed	Nil
Area to be covered under plantation	6.0 ha
Average mRL	300-299mRL
Ground water table	
Pre -Monsoon period	8m bgl (mRL 291m)
Post monsoon	6 m bgl (mRL293m)

Conceptual plan

Items	**Existing**	**Conceptual period**
Total lease area	**17.558ha**	
Ultimate depth of mining	4mbgl	4mbgl
Ultimate pit slope	45	45
Area under dumps	nil	0.4111ha
Area under pits	0.0164 ha	0.6962 ha
Area to be reclaimed	Nil	Nil
Infrastructure & Road	Nil	0.1 ha
Mineral storage	Nil	0.0087 ha
Plantation	Nil	62424.0 ha
Water body	Nil	0.5ha

Mining method

The proposed method of mining is by opencast semi-mechanised method. There are four old pits in the area developed in earlier period. The mining operations will be taken up in the eastern part of the area for float ore deposit. The primary bedded ore deposit working will be

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carried out in the pit no. 1 and pit no. 2. The method of mining, consist of the following operations:

- Removal of overburden and soil and waste rocks to dump sites.
- Mining of manganese ore bed by drilling and blasting
- Removal of mined ROM to surface yard for proper grading, sizing, sorting & staking etc.
- De-watering of the working pits whenever required.
- The bench height will be 3.0 meters and the width of the bench will be 5.0 m and the final slope on all sides of the pits is less than 40 degree.
- The garland drains 1m x 1m and parapet walls will be provided by the side of the dumps to arrest the flows of waste material in the surrounding area.
- During the ensuing five year working, waste will be kept in the eastern barrier zone and its stability will be maintained by constructing the retaining wall as per the configuration made in the waste management plan

Solid Waste Management

- The waste produced during mining operations comprises of soil, mica-schists as overburden. Mineral reject consist of Gondite formation, fragments of quartz and pegmatite, intercalations and other gangue mineral etc. The average thickness of the soil is about 1m.
- During the plan period, generation of waste would be about 9680 m^3 including 5792 m^3 of soil, 158 m^3 of mineral reject (10%) and 3630 m^3 waste rejections and overburden.
- For dumping of overburden and mineral rejects, space is being provided on eastern side of the lease area for 5 year working. Dumping will be done on non-mineralised area. Area of dumping for first five years is about 3551 m^2 with a height of about 4m, whereas the total area for dumping for conceptual working is about 560 m^2 with a maximum height of 4m. The total area after conceptual period will be 4111m^2. These dumps will be accommodated in eastern part of the lease area.
- Backfilling is not proposed during plan period. Proposal of backfilling given may be at end of lease period after completion of further exploration and determining the further depth of mineral.

Noise and Air Pollution Control Measures

Following air pollution control measures are proposed in the project:

- Water sprinkling on haul road will be carried out at frequent intervals during the movement of dumpers.
- Plantation along the mining lease boundary and haul roads will be carried out to reduce the spread of dust. It is proposed to plant 9000 trees along the boundary of mining.
- Double layer plantation is proposed towards the western & Eastern direction where pond and tola is located respectively.
- No mining is proposed towards the direction of Kamati Talav.
- Over burden dumps will be stabilized with legumes and grasses to prevent the erosion of soil and to arrest the dust emission during windy days.
- Water will be sprayed over the muck pile to reduced the dust generation;
- Dust mask will be provided to all workers.
- Regular maintenance of vehicles will be carried out in order to control emissions;
- A good housekeeping and proper maintenance shall be practiced.

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- Water will be sprayed twice in a day on Kuccha road, passing in front of lease and connected to PWD road which will be will be used for transportation.
- 400m thick green belt development will be proposed towards village road side.
- Proper maintenance will be done of noise generating machinery including the vehicle.
- Controlled and safe blasting will be adopted whenever necessary. If required Blasting will be done non school hours/ Sunday.
- Provision of protective devices like ear muffs/ear plugs and it's use should be made compulsory

Water Pollution Control Measures proposed in the project are:

- Garland drain will be provided around dump. Drain shall also be provided around the pit. All garland drain will be connected to settling tank and water of settling tank will be used for dust suppression and agricultural purpose.
- During lease period 0.5 ha area will be converted as a water reservoir.
- It is proposed to develop the garland drain and silt trapping system around the lease boundary for protection of Talav
- Silt trapping system will be provided for the garland drains. Maintenance and cleaning of drains will be taken care at regular interval.
- Quality of water of settling tank will be checked at pre-monsoon and post- monsoon.
- The major water body is Kamathi Talav, which is situated at 400m away from the lease boundary in western direction. Hence no overburden will be proposed in west direction. However Dumping is proposed eastern part of the lease area as there is agriculture land between lease area and Kamathi Talav, hence no flow of OB is envisaged. It is proposed to develop garland drain and silt trapping system around the lease boundary for protection of Talav.
- It is also proposed to create water body which will be useful for nearby villagers and agricultural land.

Afforestation plan

Environment impact & management										
Requirements of plants for afforestation/reclamation										
Year	Un-worked area green belt		Outside dumps		Inside Dumps		Top soil dumps		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	No. of Trees
Present	-	-	-	-	-	-	-	-	-	-
1st	0.4	600	-	-	-	-	-	-	0.4	600
2nd	0.4	600							0.4	600
3rd	0.4	600							0.4	600
4th	0.4	600	-	-	-	-	-	-	0.4	600
5th	0.4	600							0.4	600
6th to LP	4.0	6000							4.0	6000
Total	6.0	9000							6.0	9000

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After deliberations committee has asked the PP for submission of following information along with the supporting documents:

1. Details of Corporate Environmental Responsibility as per the MoEF O.M. dated .
2. Details of private land procurement and compensation etc. so as to respond the public hearing issue.
3. Water quality has to be re-checked.
4. Analyses reports being carried out by NABL / EPA / MoEF approved laboratory to be submitted in original format.
5. Mine life to be reported considering the total deposits vis-à-vis annual production capacity.
6. Ultimate land-use plan at the end of mine life to be furnished along with the conceptual plan for the same.
7. Details of the proposed water reservoir (0.5 hectare) to be furnished along with the conceptual plan of the same.
8. Plantation scheme with conceptual plan of the same to be furnished.
9. Water requirement for the project with source and permission from the concerned authority to be furnished.
10. Use of the mined out mineral (Manganese Ore) to be submitted.

10. Case No. 887/2012 - Shri Rahul Gupta, New Bus Stand, Katni, Distt. -Katni (M.P.) – 483501 Mudgudi Stone Mineat Khasra No. – 1180/2, K 1180/2 KH, 1180/G, 1180/KH,, Village – Mudgudi, Tehsil – Manpur, Distt. – Umariya (M.P.) **Lease Area – 2.833 ha.** Capacity – 1,80,000 Cu. Meter Per Year **Mineral: Mining of Stone (Boulder)**.. To be appraised as per the SEIAA Policy

Env. Consultant: Not disclosed.

This is a mining project with MLA less than 5 hectare. The project was forwarded to SEAC by the SEIAA for appraisal on the basis of the policy decided by the SEIAA. The salient features of the project were presented by the PP before the committee.

Scrutiny of the project in view of policy issued by the SEIAA

SN	Attribute	Reported	Inference	Remark
1	Mineral	Stone/boulder	Cat. B-2	
2.	Mechanical sizing	Crusher proposed	Cat. B-1	
3.	Presence of other mining areas within 250 meters	No	Cat. B-2	
4.	Proposed lease period	10 years	Cat. B-1	

Submissions: PP had submitted the validated information in the format (annexure-1) prescribed by the SEIAA during the meeting, however the Env. Management Scheme in the format was not submitted by the PP.

PP was informed by the committee that as per the policy decided the proposed project falls under the category B-1 and accordingly a TOR shall be issued to carry out EIA. PP requested to keep the project on hold in view of the expected review of the policy by SEIAA.

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Member SEAC

--Sd-
(V. Subramanian)
Member SEAC

-Sd-
(Dr Mohini Saxena)
Member SEAC

-Sd-
(V.R. Khare)
Member SEAC

-Sd-
(A.P. Srivastava)
Member SEAC

-Sd-
(R.K. Jain)
Member Secretary

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11. Case No. 888/2012- M/s Saroj Minerals Pvt. Ltd., New Bus Stand, Katni, Distt. -Katni (M.P.) – 483501- Saroj Minerals Pvt. Ltd., at Khasra No. – 1028, 1029, 1030, 103 Village – Bichpura, Tehsil – Barahi, Distt. – Katni (M.P.) **Lease Area – 3.20** ha. Capacity – 1, 00,000 Cu. Meter Per Year (1.0 Lacs) Mineral: Mining of Stone (Boulder).

Env. Consultant: Not disclosed.

This is a mining project with MLA less than 5 hectare. The project was forwarded to SEAC by the SEIAA for appraisal on the basis of the policy decided by the SEIAA. The salient features of the project were presented by the PP before the committee.

Scrutiny of the project in view of policy issued by the SEIAA

SN	Attribute	Reported	Inference	Remark
1	Mineral	Stone/boulder	Cat. B-2	
2.	Mechanical sizing	Crusher proposed	Cat. B-1	
3.	Presence of other mining areas within 250 meters	No	Cat. B-2	
4.	Proposed lease period	10 years	Cat. B-1	

Submissions: PP had submitted the validated information in the format (annexure-1) prescribed by the SEIAA during the meeting, however the Env. Management Scheme in the format was not submitted by the PP.

PP was informed by the committee that as per the policy decided the proposed project falls under the category B-1 and accordingly a TOR shall be issued to carry out EIA. PP requested to keep the project on hold in view of the expected review of the policy by SEIAA.

Meeting ended with thanks to the Chair and the members.

-Sd-
(S.C. Jain)
Chairman

-Sd-
(K.P. Nyati)
Member SEAC

--Sd-
(V. Subramanian)
Member SEAC

-Sd-
(Dr Mohini Saxena)
Member SEAC

-Sd-
(V.R. Khare)
Member SEAC

-Sd-
(A.P. Srivastava)
Member SEAC

-Sd-
(R.K. Jain)
Member Secretary

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