

The meeting conducted on 8<sup>th</sup> May 2012 was presided by Shri S.C. Jain, Chairman. Following members attended the meeting-

Shri K.P. Nyati, Member  
Dr Mohini Saxena, Member  
Shri A.P. Srivastava Member  
Shri V. Subramanian, Member  
Shri R.K. Jain, Member Secretary

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

1. **Meetings for June 2012** – The dates for the 96<sup>th</sup> & 97<sup>th</sup> meetings was decided as 13<sup>th</sup> and 14<sup>th</sup> June 2012.

**2. Consideration of the Projects**

- 10 cases were invited to make presentation before the SEAC. 01 case deferred in 92nd meeting was also allowed to make presentation with permission of Chairman.
- Query reply and the discussions on miscellaneous issues were taken up after the deliberations.
- Field Visit:** Committee has decided to visit the site of Case no. 700/2012 - Datuni Tank Project Catchment at Village – Sukhliya, Tehsil – Kannod, Distt. – Dewas ( M.P.) through its sub-committee, in view of its proximity to populated habitat and possibilities of water logging. Additional TOR (if any) may be suggested after the visit. Visit shall be conducted during June 2012 before the next meeting.

**Deliberations:**

**1. Case no. 459/ 2009-** M/s Budwa Minerals R/o Village- Budhwa, P.O. – Budhwa, Teh. 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-26.210 Ha, Capa.. - 1800 TPA - **For –EIA Presentation .** ToR issued vide letter no. 993 dt. 09/11/09  
**Env. Consultant – Creative Enviro Services, Bhopal (M.P.)**

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. Committee has decided to call the PP in the next meeting as per turn.

**2. Case no. 694/2012-** Sh. Rakesh Kumar Tiwari, Director, M/s Vaibhavva Infratech Pvt. Ltd., 91, Paras Magestric, Trilanga, Bhopal - Duara Metal Stone Quarry of M/s Vaibhavva Infratech Pvt. Ltd., at khasra no. 176 part Village – Duara, Tehsil – Sihnawal, Distt. – Sidhi, (M.P.) Mine area – 13.04 ha. Capacity: 2,50,000 M<sup>3</sup> / year **For –ToR**  
**Env. Consultant – Creative Enviro Services, Bhopal (M.P.)**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. The project with documents was forwarded by the SEIAA for issue of TOR. PP with his consultant presented the case before the committee. The presentation and the submissions made by the PP reveal the following:

**(S.C. Jain)**  
**Chairman**

**( V.Subramanian)**  
**Member SEAC**

**(K.P. Nyati)**  
**Member SEAC**

**(A.P.Srivastava)**  
**Member SEAC**

**(Dr Mohini Saxena)**  
**Member SEAC**

**(R.K. Jain)**  
**Member Secretary**

Production capacity	2,50,000 m3 per year
Location of Project	Village- Duara, Tehsil- Sihnawal, Dist.- Sidhi (MP)
Occupancy	Govt. Waste Land
Lease Period	10 year 13.01.2012 to 12.01.2022
Geological Location	Latitude- 24° 28' 04.9" to 24° 28' 33.9" North Longitude - 82° 13' 07" to 82° 13' 23.8" East
Nearest Railway Station	Chitahra - 12 km
Nearest Highway	National Highway - 75 - 4.21km - SW
Nearest Village	Duara - 700 meters- W
Reserved Forest	Harbara RF - 1.0 km - S Sidhi RF - 1.15km - WNW Saro PF - 1.5 km - W
River/Nalla	Gopad River - 2.0 km - E Stop Dam - 750 meters - WNW
Type of Mine & Method	Opencast Mechanised method
Existing Pits & Quarries	1.6975 ha
Existing Dumps	0.0525 ha
Infrastructure and road	0.0175 ha
Plantation	0.5 ha
Recoverable Reserve	2393288 T
Proposed Capacity	2,50,000 m3 per annum
Expected Life of Mine	10 years
Ultimate Depth of Mining	25m bgl (upto 230 AMSL)

- Metal Stone mining will be done by opencast semi- mechanized method.
- Presently 1.6975 ha area has already been excavated by another lessee.
- PP has proposed air and water pollution control measures.

**Solid Waste Management:**

- Presently 0.0525 ha area is covered under old mine waste dump.
- Concurrent mining and reclamation work will be carried out.
- During the quarry period about 11.5825 ha areas will be excavated.
- During the proposed mining about 11140953 m3 mine waste will generate, which will be used for reclamation of excavated pit.
- Out of 11.5825 ha area, 5.396 ha area will be backfilled and 5.3865ha will be converted

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as water reservoir.

- After backfilling, reclaimed land is being used for afforestation purpose.
- During quarry period about 4.30ha area will be afforested

After deliberations committee has suggested inclusion of following points in the TOR:

- A effective CSR has to be prepared.
- Mode of transport of materials with route has to be furnished.
- At least one AAQM station has to be placed each towards forest and village.
- Effective green area has to be developed.
- To the scale map showing micro-level details in 2 Km radius around the site has to be furnished.
- All analyses have to be submitted in original format supplied by the approved laboratory.
- Details of sizing industry (Stone Crusher) to be provided with details of pollution control equipments and consent of the MPPCB.

**3. Case no. 695/2012 - Shri Pradumna Trivedi, Partner, - M/s J.K. Minerals, "Gayatri Kripa" Ward No. 5, Balaghat Road – Waraseoni, Distt. - Balaghat (M.P.) – 481-331 - G.F. Sonewani Range Manganese Ore Mine of M/s J.K. Minerals, at G.F. Sonewani Forest Range (10.0 ha.) khasra no. 460,461,466 Village – G.F. Sonewani Forest Range, Tehsil – Lalburra, Distt. – Balaghat ,(M.P.) Mine lease area – 10.0 ha. Capacity:10,000 TPA - For –ToR  
Env. Consultant – Creative Enviro Services, Bhopal (M.P.)**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. The project with documents was forwarded by the SEIAA for issue of TOR. PP with his consultant presented the case before the committee. The presentation and the submissions made by the PP reveal the following:

**Under ground Mining Method** - The ML area falls under the forest area where surface mining is not permitted to preserve the forest cover. An underground working is permitted under stringent conditions laid down by the forest department.

**Proposed mining method:** Access/ entries to underground workings: Ore deposit is approached by underground method i.e. by inclines, x-cuts, drives, winzes/raises etc. as mining lease area falls under forest area. Proposed mining lease is adjoining the other lease of 33ha and belong to same lessee. Hence accesses/entries of 33ha ML is proposed to be utilized for access to proposed 10ha mining lease area.

Production Capacity	10000 MTPA
Jurisdiction of Mine	Forest Land
Location of Mine	G. F. Sonewani forest Range, Tehsil- Lalburra, Dist.- Balaghat
Forest Compart. No.	460, 461, 466 – Stage –I Forest Clearance has been obtained vide letter dated 21/02/2012.
Lessees	M/s J. K. Minerals Main Road, Balaghat (MP)

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Capital Cost of project	Rs. 1.0 Crore
Geological Location	Latitude – 21o51'41" to 21o52'55"N Longitude- 79o 58'11" to 79o58'32"E
Nearest City	Waraseoni -25km
Nearest Highway	State Highway-8km
Nearest Village	Penditola - 1.5km - SW
Hills/Valley	None in 10 Km radius
Ecological Sensitive Zone	None in 10 Km radius
Historical Place	None in 10 Km radius
Reserve Forest	G. F. Sonewani RF
River/nalla	Katangjhari Tank-1.25km-SE, Kas Nalla- 1.5km-W
Water Consumption (Avg.)	Dust Suppression – 2.0 kl per day Domestic activity – 1.0 kl per day Green Belt - 1.0 kl per day
Waste Water Generation	Only from domestic section, taken care by Soakpit/Septic tank arrangement
Source of water	Bore well and Old Quarry Pit (existing adjoining lease-33.0ha of lessee)
Accumulated water in pit	3000kl
Nearest village	Penditola Distance -1.5km, Direction – SW,
Mine	3no.
Surface water	Kas Nalla- 1.5km-W, Katangjhari Tank-1.25km

**Solid Waste Management**

1. In proposed underground mining operations, the mine waste consists of pegmatite veins in ore body, clay pockets and silicious Manganese ore and Gondite and mineralized rejects, fines etc.
2. The generations of waste from development and also from production will be as mineralized rejects.
3. The lessee has decided to develop the underground opening in the ore body itself following the ore body in dip and strike direction. As such no waste is expected to be generated.
4. Out of total rejects about 40% of ROM, sub grade rejects will be about 25% of ROM, which will be stored separately in the ore storage yard situated Katangjhari depot about 4km away from the mines and mine waste will be about 15% which will be dumped in lease area.
5. The entire land is under the Government forest department and there is no proposal of surface mining or any other activities in the ML area hence mine waste will be dumped in adjoining lease area of lessee.
6. During the first two year only 1056m<sup>3</sup> mine waste will be generated and same will be dumped at existing dumps of adjoining lease area of lessee.

After deliberations committee has recommended inclusion of following points in the TOR:

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- An effective CSR has to be prepared.
- Mode of transport of materials with route has to be furnished.
- At least one AAQM station has to be placed towards village.
- To the scale map showing locations of all the mines in 2 Km radius around the site has to be furnished.
- All analyses have to be submitted in original format supplied by the approved laboratory.
- Environmental analytical data and the meteorological data have to be interpreted and presented assigning appropriate ground truth justification for all the findings.
- Hydro-geological studies of the region have to be conducted and presented with EIA.
- Study of fluctuations in Ground water level in the region during last 20 years has to be furnished.
- Ground water prospects using above data has to be projected and presented.

**4. Case no. 696/2012** Shri Ashok Chaterjee, Director, M/s Bharat Phosphates & Chemicals Pvt. Ltd., 210, Ratnamani Complex, 7/1, New Palasia, Indore (M.P.) – 452001 - *Manufacturing of Single Super Phosphate (SSP) / Granulated Single Super Phosphate (GSSP) : 1000 TPD, Area of Project – 34851.29 Sq. Meter, at Khasra no. 455/2, Ind. Area, A.B. Road – Nimrani, Tehsil- Khasrawad, Distt. – Khargone (M.P.) For - ToR*  
**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. Committee has decided to call the PP in the next meeting as per turn.

**5. Case no. 702/2012** Sh. Praveen Shrivastva, Business Head, M/s D.B. City ( Real Estate Division) 5<sup>th</sup> Floor, DB Mall Arera Hills, Bhopal (M.P.) - 462011 - *Proposed " Residential Township" Project of M/s D.B. Infrastructures Pvt. Ltd. Khasra No. 36/1, 37/2, 39/3, 22/3/2, 38/2, 43 at Vill. – Talawali Chanda, Tehsil- Indore, Distt. – Indore (M.P.)* **For – Building Construction**

**Env. Consultant – J.M. EnviroNet Pvt. Ltd., Gurgaon ( Haryana )**

Building Construction projects with built up area  $\geq 20,000$  sq .mtrs are covered under the EIA Notification and mentioned at S.N. 8 (a), hence these projects are required to obtain prior EC before initiation of the project activity. The proposed project is coming up in a plot size of 75060 sq. m. and Built- Up Area of Proposed Project – 148615 sq. m. The proposal was forwarded to SEAC by SEIAA. The salient features of the project were presented by the PP and his consultant before the committee. The presentation followed by the discussion revealed following salient features of the project:

Cost of Project	120 Crores
Total Project Area	75060 sq. m.
Effective Plot Area	68787.00 sq. m.

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Future Expansion	12480.00 sq m.
Net Planning Area	56307.00 sq. m.
Built up Area	148615 sq. m. (FAR 68498.64 sq. m. + Non FAR 51338.16 sq. m. +Basement Area 28778.00 sq. m.)
Ground Coverage	Permissible: 16892.00 sq. m. (30%) Proposed: 13873.62 sq. m. (24.64%)
Number of Dwelling Units	924 Units
Maximum Number of Floors	Basement + Stilt Floor + 6 Upper Floors
Maximum Height of Building	18 Meters
Green Area Development	Organized green area: 11110.00 sq. m. (19.73 %)
Total Water Requirement	773 KLD
Fresh Water Requirement	440 KLD (Source: Municipal water supply, Bore Well and Private Water Tanker)
Waste Water Generation	567 KLD
Capacity of STP	650 KLD
Total Power Demand	3080 KW of is the Power requirement and it will be sourced from State Electricity Board
Power Back Up	3 D.G. sets of total capacity 1315 KVA (2X500 KVA + 1X 315 KVA capacities) in case power failure
Total Population	5305 Persons (Residential : 4620 Persons +Visitors: 685 Persons)
Solid Waste Generation	2737 kg/day (Residential population: 2541 kg/day, floating population: 171 kg /day & Sludge from STP 25 Kg/day)
Parking Details	Required: 685 ECS, Provide: 800 ECS

**Environmental Management - During Construction Phase**

**(Air Environment)**

- Dust generation will be reduced by using sharp teeth for excavation machinery.
- Dust suppression system (water spray) will be used at construction site and unpaved roads.
- A team of safai karamcharis will be made available to remove dirt/debris from the floor/sites.
- During transportation, materials shall be covered by tarpaulin sheets.
- All the D.G. sets will have appropriate stack height as per the CPCB guideline.
- Company operated vehicle will go through regular maintenance & pollution check-up.
- Screens will be put up all along the periphery to contain the dust within the premises.

**(Water Environment)**

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- There will be a need of approximately 50 KLD water during construction period, which shall be procured from authorized suppliers.
- Waste water generated by the construction labor during construction phase is domestic waste which shall be disposed in sock pits via septic tanks.
- Proper storage and internal supply facilities shall be developed before undertaking construction activities.
- During construction phase proper bunding will be made to prevent runoff

**(Noise Environment)**

- Provision of silencer to modulate padding / noise isolators at equipment / machinery used for construction.
- Provision of silencer to modulate the noise generated by machines.
- D.G. sets will be kept in acoustic enclosures / rooms.
- Provision of protective device like ear muff/plugs to the workers.
- Regular maintenance of vehicles & machinery would be taken up.
- Construction activity limited up to Day time only.

**Construction Waste Management**

- The total excavated quantity of earth material is estimated to be 40,000 cubic meters.
- The excavated earth material generate during construction of basements will be stacked / stored at separate place and every care shall be taken to prevent soil erosion.
- Top soil generated during basement construction will be reuse in plantation and green area development and rest soil will be use in leveling and site development activities.
- Soil shall be covered by tarpaulin sheets while transporting from site.
- Area shall be properly fenced and provided with proper drainage pattern.
- Construction work will not be carried out during heavy rainfall. It will be ensured that no soil is left unconsolidated after completion of work.
- Construction debris will be collected and stored at earmarked place for reuse immediately from the construction site and no accumulation shall be allowed.
- Proper collection and disposal of waste will be done during construction such as metal cuttings debris, plastic packing material, wooden logs etc.
- Cement will be separately stored under covers in bales at site.
- Sand will be stacked neatly under tarpaulin cover at site.
- Bricks and Steel will be laid in open at site.
- Raw material handling yard will be located within project site and separated by enclosures.

**Environmental Management during Operation Phase (Air Management)**

- All the DG sets shall have appropriate stack height as per the CPCB (0.2 X  $\sqrt{\text{KVA}}$  from the roof top) guidelines.
- Proper ventilation system shall be provided to all part of the work areas.
- All operational vehicles will go through regular maintenance and pollution check up.
- All the private vehicles will be asked to have updated PUC (Pollution Under Control) certificate.
- In addition, to minimize the noise propagation and to arrest dust particulates sufficient green belt area (19218.00 sq. m.) has been earmarked, which is 34.13% of the net

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planning area. Plantations would be of large leaf trees that provide adequate shade and are semi-evergreen to evergreen. Local and ornamental trees will be planted.

**Water Management**

- The total water requirement for the proposed project is 773 KLD, which includes fresh water (440 KLD) and recycled water (333 KLD) and waste water generated from the project will be about 567 KLD, which shall be treated in STP of Capacity 650 KLD.
- The treated water obtained from STP will be 539 KLD out of which 115 KLD will be utilized for the purpose of green area development, 218 KLD for flushing of toilets and rest 206 KLD Excess Treated Water will be drain into Municipal sewage system, which permission will be taken from the Municipal Authority or this excess treated water will be use for watering of municipal road side green area.
- The waste water generated will be treated in Sewage Treatment Plant by Primary, Secondary Treatment and Tertiary Level
- Rain water harvesting system will be established within the premises to recharge ground water and this will stop excess drainage out-side the project.

**Solid Waste Management**

- The type of solid waste generated from the project activity will be only the domestic.
- Total Solid Waste generated from Project (Residential & visiting population) will be 2737 kg/day (Residential population: 2541 kg/day, floating population: 171 kg /day & Sludge from STP 25 Kg/day). Base of calculation @ 550 gm./person/day for residential and 250 gm/person/day for floating population.
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
- An area has been allocated / earmarked within site for storage & segregated of municipal waste generated from site.
- The sewage sludge generated from STP will be converted into an odorless soil conditioner after digestion and used as manure for gardening purposes.
- Waste storage bins will be provided for wet and dry garbage. The same shall be segregated and stored in bins.
- Biodegradable & Non-Biodegradable waste will collect at a single location within our campus and we will transport this collected solid waste to municipal solid waste disposal site.

**Green Area Development**

- Green area will be developed in an area of 19218.00 sq. m. (34.13%) of the net planning area.
- It has been proposed to organized green 11110.00 sq. m. (19.73%) and about, 8108.00 sq. m. (14.40%) area is proposed for incidental green.
- 50% of trees planted shall be evergreen and 50% shall be semi evergreen.
- Efforts will be made to plant species for: Alstonia, Cassia Fistula, Tabebuia, Dalbergia Sissoo, Plumeria Alba, Delonix Regia, Bougainvillaea Spectra, Azadirachta Indica, Cassia Siamea, Polyalthia Longifolia , Ficus Benjamina, Bauhinia Variegata etc.

**Fire & Safety Management**

- Fire Fighting Designed: As per National Building Code (NBC) 2005.

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- Fire System shall cover the following:
  - (i) External Fire Hydrant System
  - (ii) Wet Riser System
  - (iv) Portable Fire extinguisher
  - (v) Sprinkler System
- Fire Tender route will be given with access to each Tower.
- Provision of fire escape staircase.
- External yard hydrants in galvanized steel fire hose cabinet (weather proof).
- Fire Sprinklers & Fire Alarm system.
- Fire fighting equipments will be divided into water & Foam based fire fighting depending upon the nature of fire Sand buckets will be placed on ground floor of the building.
- 'On Site Emergency Preparedness Plan' and 'Off Site Emergency Preparedness Plan' have been prepared by the PP.

**Details of Energy Conservation Measures**

- Passive Solar designs refer to the use of Sun's energy for the heating and cooling of living spaces.
- The orientation of the building will be done in such a way that maximum daylight is available.
- The orientation of the building would be done in such a manner that most of glazed areas in north and east.
- Landscape and green areas will be so spaced so as to cool the surrounding environment, which will reduce energy consumption.
- Public areas will be cooled by natural ventilation as opposed to air conditioning.
- Lesser opening will be provided on the west facing walls.
- Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings.
- Use of CFL will be done in place of tube lights.
- Installation of solar photovoltaic cells for street lighting system will be assessed

**Budget Allocation for EMP during Construction Phase**

Description	Approximate Cost (Rs in Lakhs)	Recurring Cost (Rs in Lakhs)
Water for Dust suppression	7.00	3.50
Waste Water Management	6.00	2.00
Air, Noise, Soil, Water Monitoring	5.50	1.50
PPE for workers & Health Care	3.50	2.00
Green Belt Development	15.00	5.00
Total	37.00	14.00

**Budget Allocation for EMP during Operation Phase**

Description	Approximate Cost (Rs in Lakhs)	Recurring Cost (Rs in Lakhs)
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Waste Water management (Sewage Treatment Plant)	125.00	15.00
Solid Waste Management	30.00	7.00
Green Belt Development	20.00	7.50
Monitoring for Air, Water, Noise & Soil	5.50	2.50
Others	5.00	1.50
Total	185.50	33.50

**Documents submitted by the PP:**

- Form-1 & 1(A)
- Paanch Sala P-II form.
- Approval from Town & Country Planning.
- Registration of colonizer from SDM (Revenue) Indore.
- Land Diversion letter.
- Agreement between Developer & Owner.
- Copy of land registry.
- Conceptual Plan.
- Design of STP

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

- Details of Corpus fund for operation and maintenance of the STP and execution of EMP to be furnished.
- Name and addresses of the persons / agency, responsible for operation and maintenance of the STP and execution of EMP.
- Plan for protection of nearby Nalla and proposal for environmental up-gradation of nalla.
- Proposal for disposal of MSW incorporating- door to door collection, segregation at source, locations of bins, pucca platform for storage of MSW, agreement with IMC for disposal of MSW, to be furnished.
- Source of water supply and its permission from competent authority to be submitted.
- Building Construction permission.
- Performance study of proposed STP based on Rotating Media Bio-reactor (RMBR) operating at other locations to be furnished.
- Distance from the fire-station verified from competent authority with NOC from fire-fighting department to be furnished.
- Which areas are covered under Incidental Green Area to be explained?
- Affidavit has to be provided with clear statement of Built-up area as per the definitions provided by MoEF (i.e. inclusion of basement and other utility / service area).

**6. Case no. 666/2012** Sh. R.S. Vijayvargiya, President M/s Khaitan Chemicals & Fertilizers Limited, 3<sup>rd</sup> Floor, Appolo Arcade, 1/2 Old Palasia, A.B. Road, Indore (M.P.) **452018** -*Khaitan Chemicals & Fertilizers Limited: this is an expansion programme of the existing unit to manufacture Granulated Single Sulphur Phosphate (GSSP) fertilizer for having flexibility to pack SSP fertilizer either in Powder form or in Granular form depending*

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upon the market demand. The proposed capacity: 2X 400 MTPD GSSP Fertilizer plant. at Khasra no. 393-95, 396/1, 396/2, 404/1, 405, 403/1, 403/2 Village- Nimrani, Tehsil – Kasrawad, Distt. – Khargone (M.P.) - **Proposed area : 3000 sq.mt. For –ToR**  
**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. Committee has decided to call the PP in the next meeting as per turn.

- 7. Case No. 668/2012** Sh. Roopnarayan Shrivatva, M/s Kachhawaha Minerals Pvt. Ltd., 8, Anupam Nagar, Gwalior (M.P.)- *Badagaon Limestone & Dolomite Mine at Khasra No. 120, 121, 122, 138, 139, 141, Capacity – 5000 TPA Lease Area- 11.31 ha. Village- Badagaon Tehsil Badwara, Distt. Katni (M.P.)* For TOR  
**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. Committee has decided to call the PP in the next meeting as per turn.

- 8. Case No. 669/2012-** Sh. Pawan Kumar Ahluwalia, M.D. , M/s K.J. S. Cement Ltd., N.H.-7, Village- Amiliya, Lakhwar Tehsil - Maihar, Distt. - Satna (M.P.)- *Bhatia Limestone Mine at Khasra No 1014, 1015, 1029, 1031, 1032, 1035, 1036, 1037, 1039, 1040, 1047, 1048, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1103, 1105, 1106, 1107, 1116, 1118, 1121, 1123, 1124, 1125, 1126. Village – Bhatiya, Tehsil – Maihar, Distt.- Satna (M.P.) Capacity - 5.0 lacs TPA, Lease Area - 45.888 ha.* For TOR  
**Consultant – Creative Enviro Services, Bhopal.**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under ‘B’ Category of EIA Notification, 2006 and is to be appraised by SEAC. The project with documents was forwarded by the SEIAA for issue of TOR. PP with his consultant presented the case before the committee. The presentation and the submissions made by the PP reveal the following:

Production Capacity	5,00,000 MT per Annum
Land	Own stony waste land & private agriculture land
Khasra no.	1014, 1015, 1029, 1031, 1032, 1035, 1036, 1037, 1039, 1040, 1047, 1048, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1103, 1105, 1106, 1107, 1116, 1118, 1121, 1123, 1124, 1125, 1126
Location of Mine	Village- Bhatia, Tehsil- Maihar, Dist.- Satna (MP)
Lessees	M/s KJS Cement Ltd., Maihar, Satna (MP)

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Lease period	26.10.2011 to 25.10.2031
Geological Location	Latitude – 24017'08.4" - 24017'39.2"N Longitude- 80053'40" - 80054'06.5"E
Nearest City	Maihar - 13.5 km
Nearest Railway Station	Maihar - 13.5 Km
Nearest Highway	NH-7 - 440 meters
Nearest Village	Barahiya - SSW - 400 meters
Hills/Valley	None within 10km radius
Ecological Sensitive Zone	None with in 10km radius
Reserve Forest	None with in 10km radius
River/nalla	Bakali Nalla - W - 400 meters Gobarhari Nalla - NNE - 1.0km Local Pond - S - 300 meters
Nature of Mining	Open Cast fully mechanised mine
Mineable area	34.6705 Ha
Mineable Reserve	1278934 MT
Proposed Production capacity	5,00,000TPA
Life of Mine	30 year
Present Depth of Mining	7m bgl
Ultimate depth of Mining	22m bgl (327mRL)
Ground Water Table	29m bgl (320mRL)- Post Monsoon 39m bgl (310mRL) - Pre-Monsoon
Use of mineral	Used in Own Cement Industry
Altitude	353-349m AMSL

Other details and proposals are same as the case no. 670/2012. After deliberations committee has suggested the inclusion of the points mentioned against case no. 670/2012 for in the TOR.

**9. Case No. 670/2012 Sh. Pawan Kumar Ahluwalia, M.D. , M/s K.J. S. Cement Ltd., N.H.-7, Village- Amiliya, Lakhwar Tehsil - Maihar, Distt. - Satna(M.P.)- Barahia Limestone Mine at Khasra No. 229 - 250, 344-359, 364-380, 411, 412, 413, 414/1- 2, 415, 416, 417, 418/2,418/1, 419, 420, 421, 422, 423/2, 424 Village – Barahia, Tehsil – Maihar, Distt.- Satna (M.P.) Capacity- 30,000 TPA , Lease Area – 7.102 ha. For TOR  
**Consultant – Creative Enviro Services, Bhopal.****

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. The project with documents was forwarded by the SEIAA for issue of TOR. PP with his consultant presented the case before the committee. The presentation and the submissions made by the PP reveal the following:

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Ownership of land	Land owned by project proponent
Khasra no.	229, 230, 231,232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249,250, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 411, 412, 413, 414/1-2, 415, 416, 417, 418/2, 418/1, 419, 420, 421, 422, 423/2, 424
Location of Mine	Village- Barahia, Tehsil- Maihar, Dist.- Satna (MP)
Lessees	M/s KJS Cement Ltd., Maihar, Satna (MP)
Lease period	26.10.2011 to 25.10.2031
Geological Location	Latitude – 24017'04.5 - 24017'15.1"N Longitude- 80053'28.2" - 80053'41.8"E
Nearest City	Maihar - 13.5 km
Nearest Airport	Khajuraho - 165 km
Nearest Highway	NH-7 - S - 440 meters
Nearest Village	Barahiya - S - 300 meters
Hills/Valley	None within 10km radius
Ecological Sensitive Zone	None with in 10km radius
Reserve Forest	None with in 10km radius
River/nalla	Serainaj Nalla - SSW - 3.0km Bakali Nalla - N - 100 meters Gobarhari Nalla - NNE - 1.0km Local Pond - S - 200 meters
Mines	6 mines within 2 Km radius

**Water Consumption (Avg.):**

Dust Suppression – 5 Kl per day from mine pit water

Domestic activity – 2.0 Kl per day from proposed hand pump

Green Belt - 2.0 Kl per day from mine pit water

Waste Water Generation - 1.4kl/day. Only from domestic section, taken care by Soakpit/septic tank arrangement

Presently Water reservoir capacity - 2.7212ha \* 5m = 136060m<sup>3</sup>

Ultimate water reservoir capacity

- 3.2888ha \*15m = 493320m<sup>3</sup>

**Water pollution control measures**

- Bunds will be provided to remove the suspended solids.
- Drains will be cleaned properly to prevent the siltation
- The accumulated water will be provided to farmers of the villages apart from using mining process
- Toilet facility will be provided near the office
- Stone pitching and bund will be made to control the soil erosion.

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- Garland drain and retaining wall be created along the pit and dumps
- Joining of drain will be ensured to prevent the mine discharge towards nearby fields and nalla

**Solid Waste Management**

2. During the past mining period about 66140m<sup>3</sup> interbadded shale waste has been generated and same has been dumped in the pits
3. No top soil present in the lease area and no OB & mine waste will be generated during the proposed mining.
4. Old waste dump will be used for backfilling purpose. During the first five year about 0.3412 ha area will be reclaimed upto 7m using 20952m<sup>3</sup> mine waste.
5. During the 6th to lease period about 2.38 ha area will be backfilled using 45188m<sup>3</sup> mine waste.
6. Backfilling has not been carried out till date
7. About 3.2888ha area will be converted into a water reservoir after land scaping and providing suitable protective measures. It will be sloped with about 55 degree angles and protected by proper flooring, lining and by fencing. It can be used as a source of water and for pisciculture also.

After deliberations committee approved the TOR with inclusion of following additional points:

- The proponent is holding 2 adjacent mines and is therefore required to prepare comprehensive EIA /EMP along with individual EIA for each mine.
- A common and effective CSR has to be prepared for both the mines.
- Village has been reported at a distance of 300 meters and 2 water bodies are in close proximity to the site hence extensive plan for protection of these features has to be submitted with EIA.
- Mode of transport of materials with route has to be furnished.
- At least one AAQM station has to be placed each towards forest and village.
- Effective green area has to be developed keeping in view the presence of all sensitive features in the vicinity.
- Distance of the site from Maihar Temple to be reported through local administration.
- To the scale map showing locations of all the mines in 2 Km radius around the site has to be furnished.
- All analyses have to be submitted in original format supplied by the approved laboratory.
- Environmental analytical data and the meteorological data have to be interpreted and presented assigning appropriate ground truth justification for all the findings.
- Hydro-geological studies of the region have to be conducted and presented with EIA.
- Study of fluctuations in Ground water level in the region during last 20 years has to be furnished.
- Ground water prospects using above data has to be projected and presented.

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- 10. Case no. 661/2012** Sh. Rajeev Chadha, M/s Gandhigram Iron Ore/Blue dust, Laterite & Yellow Ochre Mine, Opp. – G.S. College Civil Lines, Jabalpur (M.P.) - Enhancement of Capacity of Iron Ore/Blue Dust, Laterite & Yellow Ochre Mine, at Khasra No. 1547, Village – Gandhigram, Tehsil- Sihora, Distt.- Jabalpur (M.P.) Area- 7.310 Ha. Proposed Capacity & Minerals – 3,00,000 EC issued vide letter no.157/EPCO-SEIAA/09 dt. 27/07/09 MTPA (Existing Capacity – 81000 MTPA) For -ToR  
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. Committee has decided to call the PP in the next meeting as per turn.

- 11. Case no. 681/2012** Mr. Rakesh Singh Kushwaha, Director, "MK CITY" of M/s Elixir Infrastructure India Pvt. Ltd., HIG- 194, Madhav Nagar, Gwalior ( M.P.) – 474002 - "MK CITY" of M/s Elixir Infrastructure India Pvt. Ltd. at Vill.- Sirol, Teh.- Morar, Distt. – Gwalior (M.P.) Khasra No. 18/Min-1k, 23/min-2, 25/Min-1, 30/Min-1, 82/ Min-1, 21/Min-1, 26/Min-1, 21/Min-2, 26/Min-2, 82/2/G, 21/Min-3, 22, 23/Min-1, 25/Min-2, 26/Min-3, 30/Min-2, 18/Min-1, 21/Min-4, 82/1 Min-2, 82/2 Total Land Area – 16841.88 sq. mt. , Total Built Up Area of all Tower = 43,013.53 sq.mt. - **Building Construction Project**  
Env. Consultant – Env. Consultant – In Situ Enviro Care, Bhopal (M.P.)

Building and Construction projects with area  $\geq 20000 \text{ m}^2$  and  $< 1,50,000 \text{ m}^2$  of built-up area are covered under the Schedule of EIA Notification 2006 in category B at S.N. 8(a). Therefore are required to be appraised by the SEAC.

This is a case of building construction project in a township consisting multi-storied buildings. The land is located on a proposed master plan road 36 meters wide. The land is located in gram panchayat area, immediately adjoining municipal boundary. The civic amenities of drainage, sewage and other services are expected to be available in future. The case was discussed in the 92nd meeting of SEAC dated 09/04/2012, whereby committee has asked the PP to submit registered 'Joint Venture' executed between the owner and developer. The same has been submitted by the PP during the meeting. The submissions and the presentations made by the PP and his consultant reveal following details about the project:

**Statement of areas**

	Area
Net land area	16474.04 Sq.mts
Area under covered parking	6055 Sq.mts
Area designated for open	1693 Sq.mts
Total area for circulation, open parking, ramps and services (not covered by building)	8726.04 Sq.mts
Softscape area in parking and islands etc.	4310.812 Sq.mts
Hardscape area	2617.812 Sq.mts
Area for services	494.2212 Sq.mts

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**MINUTES OF STATE EXPERT APPRAISAL  
COMMITTEE**

**95<sup>th</sup> MEETING  
8<sup>th</sup> May 2012**

16

Circulation and other area	1303.1948 Sq.mts
----------------------------	------------------

Total water demand	➤ 323 KLD
STP capacity	➤ 280KLD
Solid waste generation	➤ 1.280TPD
Power demand	➤ 1916 KW
Basement level stilt parking area	➤ 4866.24 Sq.Mts
ground floor Stilt parking area	➤ 6055.00 Sq. Mts
Open parking area	➤ 3012 Sq. Mts
Types of flats	➤ Number of 1 bed room flats - 42 nos. ➤ Number of 2 bed room flats - 80 nos. ➤ Number of 3 bed room flats - 262 nos. ➤ Number of 4 bed room flats - 70 nos. ➤ Number of EWS flats - 25 nos.

**Water Balance**

SN	Item Description	Number of Persons / Seats	Water Req / head (litres)	Total water Requi (litres)
<b>A</b>	<b>Fresh Water Requirement</b>			
1.	For Apartments/Flats	2,176	90	1,95,840
2.	For EWS	75	90	6,750
3.	Maintenance Staff	35	20	700
				<b>2,03,290</b>
4.	Water Treatment plant back wash & regeneration			10,164.5
	<b>Sub Total of A</b>			<b>2,13,454.5</b>
<b>B</b>	<b>Flushing Water</b>			
1.	For Apartments/Flats	2,176	45	97,920
2.	For EWS	75	45	3,375
3.	Maintenance Staff	35	25	875
	<b>Sub Total of B</b>			<b>1,02,170</b>

SN	Item Description	Total water Requi (litres)
<b>C</b>	<b>Treated Effluent Water Requirement – Misc. Uses</b>	
1.	Irrigation / Planters	5079.66
2.	Misc. – Other use	2,000
	<b>Sub Total of C</b>	<b>7079.66</b>
	<b>Total water requirement (A+B+C)</b>	<b>3,22,704.16</b> Or Says 323 KLD

**Proposed STP:**

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- Treatment Concept : Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment
- Capacity : 280 KL/ Day
- Operation: 20 Hrs.

**Documents submitted by the PP:**

1. Building development permission from gram panchayat "mohanpur" jila panchayat -morar, Gwalior, m.p. no. Bhavan nirman/10-11/121 dated – 20/03/2011
2. T&cp approval- Gwalior no.1562 dated 1/07/2010
3. Fire fighting noc- fire office, Gwalior no. 53/2010/4/11 dated 06.09.2010
4. Acceptance copy of msw disposal from m/s. Akc developer Gwalior.
5. Registered 'Joint Venture' between the developer and the owner.

**Solid Waste Management**

- Total solid waste generated will be around 1.28 TPD.
- Solid Waste will be handled as per the provisions of Municipal Solid (Management & Handling) Rules, 2000.
- 100% Door to Door Collection system will be done by the maintenance staff.
- Separately colored bin for biodegradable and non- biodegradable waste will be placed in common / utility locations.
- Collected solid waste will be brought to a centralized collection chamber.
- Non-Biodegradable / recyclable waste will be segregated and sold to Approved agency.

**Environmental Management Plan**

**Air**

**Construction Phase**

- Dust control plan
- Use of Ready mixed cement
- Reduce on site activities by Off-site fabrication of structural components
- Regular Maintenance of vehicles

**Operational Phase**

- Provision of signage's for easy circulation of traffic.
- Provision for adequate parking space.
- Use of low sulphur diesel for DG sets.
- Provision of sufficient stack height for DG set.

**Water**

**Construction Phase**

- Leak proof containers for storage and transportation of oil/ grease
- Impervious oil/grease handling area
- Provision of temporary sanitation facilities for workers

**Operational Phase**

- Treatment of sewage on site in STP
- Use of treated sewage water for Flushing & Landscaping
- RWH and SWM scheme

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- Rainwater from Roof top and terraces will be used for ground water recharging.
- SWM will be done with the help of well planned storm water drainage network
- Minimizing Water Consumption
- Use dual flush system for urinals
- Efficient Plumbing Fixtures

**Cost of Environmental Management Plan**

Description	Capital Cost (Lakhs)	Running Cost (Lakhs/year)
1. Air		
Construction Phase	0.5	0.7
Operation Phase	0.3	0.1
2. Noise		
Construction Phase	0.4	0.2
Operation Phase	0.3	0.07
3. Water and Land		
Construction Phase	2	0.3
Operation Phase		
4. Sewage Treatment Plant	30	14 ( including Energy, chemicals and Manpower)
5. Rainwater Harvesting & Storm water Management	2.7	0.35
6. Solid Waste Management	2.6	0.52
7. Energy		
a.)Lighting	10	0.2
c)Landscaping	1.5	0.2
<b>Total</b>	<b>Rs. 50.3 Lakhs</b>	<b>Rs. 16.64 Lakhs / Year</b>

After deliberations committee has asked to PP to submit response to the following queries along with the supporting documents:

- Water balance is provided is not clear the same has to be revised and submitted.
- It was informed by the PP that ground water shall be used in the project; permission for abstraction is yet to be obtained from the CGWA. Committee has suggested exploring

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- alternate source of water for the project. Accordingly a proposal to be submitted.
- Details of Corpus fund for operation and maintenance of the STP and execution of EMP to be furnished.
  - Name and addresses of the persons / agency, responsible for operation and maintenance of the STP and execution of EMP.
  - Proposal for disposal of MSW incorporating- door to door collection, segregation at source, locations of bins, pucca platform for storage of MSW, to be furnished.
  - Distance from the fire-station verified from competent authority and width of the main approach road as per the MoEF 's O.M. dated .
  - Total Green Area in the premises has to be furnished.
  - Parking lay-out planned in the project to be submitted.
  - Disposal details for the excess treated sewage to be furnished along with the details of receiving catchments.
  - Micro-level features in the 2 Km radius around the proposed site to be furnished on map.
  - Highlights of application of ECBC and green building concepts to be furnished.
  - Status of the project with respect to the quantum of construction (if any) to be furnished.

**Field visit discussion:****Case No. 512/2010-**

Building and Construction projects with area  $\geq 20000 \text{ m}^2$  and  $< 1,50,000 \text{ m}^2$  of built-up area are covered under the Schedule of EIA Notification 2006 in category B at S.N. 8(a). Therefore are required to be appraised by the SEAC.

It is a case of construction of Hospital, Medical College & Nursing College. Hospital with provision of 750 beds is proposed along with Medical College & Nursing College.

The project was dealt in the 87<sup>th</sup> meeting of SEAC dated 07/01/2012. It was reported by the PP that about 10% construction has already been done at site by the PP before obtaining prior EC. An affidavit in this regard with an apology has been submitted by the PP. Various queries have also been responded by the PP satisfactorily. Meanwhile a complaint regarding passage to nearby farms was also received in SEAC. In view of above issues it was decided by the committee to visit the site. Sub-committee comprising Shri K.P. Nyati, Dr. Mohini Saxena and Shri A.P. Srivastava visited the site. During visit representative of PP and consultant were also present. Visit was conducted on 3<sup>rd</sup> of March 2012.

Observations and conclusion of the visiting sub-committee are as below:

- The site is bifurcated by a seasonal nalla flowing from south-west to east carrying only rain water. The nalla ultimately terminates into water logged low-~~lines~~ *lying* area at the north boundary of the site. It was reported by the people at site that nalla-water and the impounded-water occur only during monsoons.
- It was suggested by the sub-committee that the proponent shall develop green edges along both the sides of the nalla and shall develop land-scap. Adequate safety measures to prevent any accident should also be ensured through fencing etc.
- The proposed site has been secured by fencing from all sides. No construction activity was in progress in the premises but earlier the PP has constructed a single structure at the site,

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however the construction is less than 15000 m<sup>2</sup> as agreed by the PP. Sub-committee instructed the PP not to start any activity till decision on the prior EC for the project *is taken* in SEIAA.

- A complaint pertaining to passage for the nearby farm ~~were~~ *was* also examined by the sub-committee; it was observed that the complainants are demanding a passage from the site of the project proponent so as to reach their farms directly from the main road. A copy of the order of Hon'able High Court of M.P. in PIL (Order in W.P. 4088 /09 dated 30/10/2009) was also furnished before the committee. The petition was dismissed by the Hon'able High Court of M.P. In this context committee is of the opinion that the issue of passage is not in the interest of mass community or environment and may be sorted out mutually by the complainants and the project proponents. Similar complaint have been forwarded by SEIAA on later dates (letter no. 05 dated 10/04/2012) the conclusion as above implies to this also.

After looking into all the issues and based on the presentation / submissions of the PP committee decided to recommend the case for issue of prior EC subject to following special conditions:

- Green edges shall be developed along both the sides of the nalla with land-scaping. Adequate safety measures to prevent any accident should also be ensured through fencing etc.
- No disturbance should be caused to the School operating in the vicinity during construction and operation phase of the Hospital.
- STP for the project shall be installed only after ascertaining its feasibility & required modifications (if necessary).
- The STP has to be installed along with the other construction activities. As claimed the BOD reduction of 90% has to be ensured through out. Any item requiring replacement in the supplied STP has to be provided by the supplier.
- Provision for power back-up has to be kept exclusively to ensure uninterrupted STP operations.
- PP shall promote schemes for conservation of water in such a way that the fresh water demand shall not go beyond 364 KLD and quantity of sewage shall not exceed 497 KLD.
- Hospital Management shall obtain authorization under the Bio Medical Waste (M&H) Rules 1998 and shall dispose off the BMW as per the provisions of the said rules.
- Hospital Management shall install ETP for treatment of hospital liquid waste.
- All sanitary fittings, pipelines etc. used in the project shall be of premium quality conforming the norms to avoid wastage of water through leakages.
- Provisions for collection / segregation points and pucca platform for MSW storage area should made in the premises. The final disposal of MSW shall be made at the designated site of Municipal Corporation. In any case the MSW should not be mixed with BMW.
- Directions issued by MoEF regarding maintaining R.O.W of the approach road have to be followed.
- The construction site shall be provided with adequate signage and barricades of at least 3 m height on its periphery.
- Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- All topsoil excavated during construction activities should be stored for use in horticultural /

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- landscape development within the project site.
- Disposal of debris including the excavated material during construction phase shall not create adverse effect on neighbouring communities and disposed off taking the precautions for general safety and health aspects only at the approved sites with the approval of the competent authority.
  - Diesel generator sets proposed as back up power shall be of enclosed type and conform to prescribed standards under EPA rules. All exhausts shall be 5.5 m above roof top. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
  - Vehicles hired for bringing construction material at site should be in good conditions and conform to applicable air and noise emission standards and should be operated only during non-peak hours.
  - Ambient noise levels should conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality should be closely monitored during construction phase. Ready- mix concrete should be used as far as possible.
  - Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.
  - Fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
  - Fly ash should be used as building material in the construction as per provisions of Fly Ash Notification under EPA.
  - Structural design aspects in accordance to the seismic zone shall be strictly adhered to.
  - The construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages.
  - Environment Management Cell shall be formed, which will supervise and monitor the Environment related aspects of the project during construction and operational phases in addition to observance of Madhya Pradesh Building and other Construction Workers Rules.
  - Best available technology (BAT) such as Ultra violet radiation shall be used for disinfection of sewage before reuse / recycle / discharge.
  - Dual plumbing system as proposed shall be adopted for the re-use of treated waste water.
  - Rain water harvesting for roof run-off and surface run-off, as per the plan submitted shall be implemented. Before recharging the surface run off, pre- treatment must be done to remove suspended matter.
  - The green belt along the periphery of the plot shall be provided at least having three tiers of the trees of local species as per the plan submitted. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.
  - The applicant shall explore the application of solar energy & it shall be incorporated for illumination of common areas, lighting of internal roads and passages in addition to solar water heating, if any.
  - The applicant shall install the electric utilities / devises, which are energy efficient and meeting with the Bureau of Energy Efficiency norms, wherever applicable.
  - The energy audit shall be conducted at regular interval for the project and the recommendations of the Audit report shall be implemented with spirit.
  - The area earmarked for the parking shall be used for parking only. No other activity shall be

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permitted in this area.

- The area earmarked as green area shall be used only for greenbelt and shall not be altered for any other purpose. Further, the applicant shall carry out tree plantation activity and shall plant and maintain 1000 trees at an appropriate area in the town in consultation with the Municipal Corporation and local authorities within a period of 5 years.
- Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Necessary signage including continuous display of status of parking availability at entry, exit and all other appropriate places shall be provided which should have appropriate size of letters and shall be visible from the at least 50 meter distance from the adjacent road. No public space shall be used or blocked for the parking and the trained staff shall be deployed to guide the visitors for parking and helping the senior citizens and physically challenged people.
- Common utilities like drinking water facility, Toilets etc. shall be provided on each floor with adequate signage thereof. Adequate distance shall be maintained between the drinking water and toilet blocks.
- Necessary emergency lighting system along with emergency power back up system shall be provided. In addition, emergency public address system arrangement and signage for emergency exit route shall be provided on each floor.
- Necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during the unforeseen emergency and eventuality conditions.
- Training to the staff for the first aid and fire fighting along with regular mock drill shall be made an integral part of the disaster management plan of the project.
- All the statutory clearances such as the approvals for storage of diesel from Chief controller of Explosives, Fire Department, Civil Aviation Department, National Wild Life Board if applicable, shall be obtained as applicable by the applicants from the competent authorities.
- Roof should meet regulatory requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirements.
- Use of glass shall be minimal to reduce the electricity consumption and load on air conditioning.
- Ozone Depleting Substances (Regulation & Control) Rules shall be followed while designing the air conditioning system of the project

**Query Reply Discussion****1. Case No. 554/2010** SEAC Meeting 82<sup>nd</sup> dated 13/10/2011

**Sh. D.A.Sahane, Asst. Manager ( E & P West ) M/s Bharat Petroleum Corp. Ltd. Bhopal -Indore Bypass Road, Post-Bakania Bhounri, Bhopal, (M.P.)** *Mini LPG Bottling plant at Bakania Bhouri, Bhopal-M.P. Capacity; Storage capacity is proposed as 2X100 MT and bottling capacity is 4800 cylinders / day. Design capacity is reported to be 22 TMTA.- ToR issued vide letter no 430 dt.24/06/10.*

1. Exact quantity of fresh water requirement for the project per day & its source with necessary permissions from the competent authority.
2. Quantity of industrial effluent generation (from cylinder washing, hydro testing,

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- painting/repairing etc.) & its mode of treatment with design & drawing of treatment plant.
3. Quantity of domestic wastewater generation & its treatment / disposal plan.
  4. Details of rain water harvesting structures.
  5. Proposal of continuous ambient air quality monitoring with respect to VOC and hydrocarbon in the area.
  6. The hazardous waste has to be packed and stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, details of the plan to be submitted in this regard.
  7. Disposal plan for all types of hazardous wastes to be submitted.
  8. Plantation scheme with area statement, locations on lay out map and species of plants to be furnished.
  9. Schedule of Mock Drills, Joint mock drills etc to be submitted.
  10. Proceedings of Public Hearing have not been furnished with EIA report, the same have to be provided in compliance to the TOR.
  11. Executive summary of the EIA report and declaration regarding authenticity of the data used in the report have to be submitted.

PP has submitted reply to the above queries but the proceedings of public hearing have yet not been submitted / received by the SEAC. Hence committee decided to hold the case till submission of the same.

2. **Case No. 545/2010** SEAC Meeting 91<sup>st</sup> dated 03/03/2012

**M/s Smt. Shakuntala Kasal, Ward No. 13, Main Road Wara seoni, Distt-Balaghat-M.P. Manganese ore mine 6.985 at Village-Hathoda, Teh- Katangi, Distt.- Balaghat-M.P.** ToR issued vide letter no. 13 dt.13/01/11 This is a case of production enhancement from 1000 MT/Year to 9720 MT/Year.

The case was dealt in detail in the SEAC meeting dated 08/11/2011 and 03/03/2012. Committee has asked Regional Officer MPPCB Jabalpur for submission of detailed compliance report. Report regarding compliance of the terms and conditions of previous EC dated 29/07/2009 has been received from the Regional Officer MPPCB, Jabalpur. The report forwarded was found to be satisfactory. Regional Officer MPPCB, Jabalpur has recommended the case for prior EC. The EIA, EMP, Environmental Monitoring program and the DMp submitted by the PP were found satisfactory and acceptable. Based on the presentation and submission of the PP and the recommendations of RO, MPPCB, committee decided to recommend the case for issue of prior EC subject to the following special conditions:

1. The proponent of this mine shall execute all CSR activities as per the proposal submitted through the Local Body.
2. Thick green belt around the mining lease and along the haulage roads.
3. Garland drains have to be constructed surrounding all the overburden dumps. The drains shall be connected to the settling tank having sufficient holding capacity.

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4. The clear water from the holding tank shall be used for various mining activities including the horticulture.
5. Controlled blasting and / or drilling will be carried out in the mining.
6. Regular spraying of water by Tanker fitted water sprinkling system over haulage roads shall be done.
7. Appropriate arrangement shall be made for the treatment and disposal of the waste water expected from the domestic activities of the workers.
8. Dense plantation has to be carried out in the lease area as per the plan submitted.
9. Regular ambient air monitoring shall be carried out in the region as per the guidelines of MoEF / CPCB.
10. Minimum wages shall be paid as per the Govt. norms.
11. Pits shall be properly fenced to avoid accidents.
12. Water body proposed at the end of mining should be developed aesthetically.

**3. Case No. 200/2008** SEAC Meeting 40<sup>th</sup> dated 25/11/2009

**M/s Vindhyachal Minerals, Village & Post- Dhamna, Tehsil- Rajnagar, Distt.- Chhatarpur (M.P.)** Floor- Stone - 11.54 Ha. Capa. - at Village - Lakheri, Tehsil- Rajnagar, Distt.- Chhatarpur (M.P.)

After deliberation in the 40<sup>th</sup> meeting dated 25/11/2009, committee has asked the PP for following submission from the PP:

- NOC from forest department and 'Gram Panchayat'.
- Declaration from consultant
- All chemical analyses report from approved laboratory in original format. The chemical analyses should incorporate method of analyses, instruments used and the details of standards used. The date and time of sampling should also be mentioned in the report. Air quality monitoring from approved lab has to be furnished.
- Details of air pollution control equipments proposed in crusher to be furnished.
- Written commitment for fulfillment of the public hearing issues to be submitted.
- Plan with commitment for plantation in 33% of project area within lease period to be submitted. Map showing green belt to be submitted.

PP has submitted all information along with the supporting documents. It was observed by the committee that the NOC issued by the DFO Chhatarpur state that the distance of site from the Panna Tiger Reserve is about 10 Km. It is noteworthy that the projects falling within 10 kilometers from the notified national Parks / Wild Life Sanctuaries belong to 'A' Category and have to be appraised by MoEF (GoI). Thus, committee decided to ask the DFO to intimate exact distance of Panna Tiger Reserve from the proposed site.

**4. Case no. 488/2009** Query regarding 89<sup>th</sup> SAEC meeting dated 14/02/2012

**M/s G.C. Gupta, Madan Mohan Choubey Ward, Distt.- Katni (M.P.) – 483501, Ronsara Bauxite, Laterite, Fireclay, Redochre & Yellow Ochre Mine 9.250 ha. at Village Ronsara, Teh- Sihor, Distt.- Jabalpur -(M.P)** ToR issued vide letter no 142 dt. 18/02/10.

Detailed presentation of the project was made before the SAEC in the meeting dated

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14/02/2012. Whereby the committee has asked the PP to furnish information to the following queries with supporting documents:

- Certification from Gram Sabha has to be submitted regarding availability of grazing land in the village.
- Protective measures have to be submitted for protection of village pond.
- Details of public roads passing across the lease area have to be reported along with a proposal for by-pass roads for the public to be submitted.
- No. of trees have been reported in & around mining lease area; PP has to submit details of these along plan for cutting any of the trees (if proposed).
- Analysis of ground water of the region to be submitted.
- Summary of EMP as approved by the SEAC along with yearly Env. Monitoring Program with budget to be furnished.
- To submit an undertaking regarding data authenticity and owning the contents of EIA report as per OM dated 05/10/2011.
- Copy of executive summary of EIA.
- It is reported that the lease of the mine has been deemed; a copy of letter issued from mining department to be submitted in this context.

All query responses submitted by the PP were found satisfactory, but the renewed mining lease is yet to be submitted. Committee has decided to obtain renewed Mining Lease from the PP before recommending the project.

**5. Case no. 470/2009** Query regarding 80<sup>th</sup> SAEC meeting dated 03/09/2011

**M/s Madhya Pradesh State Mining Corporation Ltd.( A Govt. of M.P. Undertaking)Paryavas Bhawan,Block No.1(A),Second Floor, Jail Road, Arera Hills, Bhopal (M.P.)-11** *Rock Phosphate for existing mine at Mine at Village-Mardeora, Tehsil-Bijawar, Distt.-Chhatarpur, (M.P.) Area-48.758 Ha.,Capa..- 25000 MT/Y,*

The project was discussed in the SEAC meeting dated 03/09/2011, whereby committee has asked the PP for submission of response to the queries mentioned below:

1. NOC from forest department in original or notarized copy of the same.
2. EIA summary report in not more than 10 pages.
3. Analyses of fluoride in ground water to be reported from approved lab.
4. Information in the inventory as prescribed by the MoEF for mining cases.
5. Fluorine contents in ambient air quality within the mining lease area to be examined.
6. Information in the prescribed format.
7. Notarized / Certified copies of Panchsala Khasra
8. Ownership papers:
9. Any other papers supporting the ownership of the proponent

PP has submitted the response to the above queries. The submissions made by the proponent i.e. EIA, EMP, DMP and the Env. Monitoring Plan was found to be satisfactory and acceptable. Hence committee decided to recommend the project for grant of prior EC subject to the following special conditions:

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1. Water consumption shall not exceed 16 KLD. Ground-water shall be used only for drinking purpose whereas for process only the pit water shall be used.
2. Adequate Pollution Control Equipments shall be installed in the proposed crusher.
3. Hydro-geological studies shall be carried out periodically to examine the ground-water level of the region; accordingly water harvesting program shall be modified and implemented.
4. Water body proposed to be developed (12.5 Ha) should be provided with suitable safety and protective measures. The pond so developed shall be lined with flooring and fenced.
5. The water quality shall be monitored regularly so ensure its use.
6. Sprinkler system shall be installed on haulage roads and at loading / unloading points to prevent fugitive emissions.
7. Silt settling tanks shall be constructed in the barrier zone area to settle the suspended particles. It should be ensured that the silt content (suspended solids) in the mine discharge is as per the MPPCB norms.
8. Regular fluoride monitoring shall be done in ambient air and ground-water.

**6. Case No. 641/2011 - Mr. Manish Nayak, M/s Suryavansham Mining & Minerals Pvt. Ltd. 67/2, Patrakar Colony, Indore Distt.-Indore (M.P.)** Expansion of production capacity of Mineral: 5000 MTPA Manganese Ore to 9.0 lac TPA Manganese Ore, Iron Ore & laterite, Lease area - 5.0 ha. at village Mansakra, Tahsil- Sihora, Distt. – Jabalpur – (M.P.) **Env. Consultant – Creative Envirotech Bhopal. - for TOR**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. The project was forwarded by the SEIAA for approval of TOR to carry out EIA / EMP. PP with his consultant presented the case before the committee.

The case was earlier discussed in the 84<sup>th</sup> SAEC meeting dated 09/11/11 and 87<sup>th</sup> SAEC meeting dated 07/01/12

After discussion the committee observed the following points:

1. Prior EC was issued to the PP for mining of the Manganese Ore to tune of 5000 MT /Year on dated 29/07/2009.
2. Permission to establish from MPPCB was issued for the production capacity of 5000 MT/Year of Manganese Ore.
3. The PP started mining without obtaining Consent to Operate from MPPCB.
4. MPPCB has filed a Court Case against the PP for violation of Air & water Acts.
5. PP has stopped all mining operations and has applied to MPPCB for Consent to Operate.
6. It was reported by the PP that during the mining of Manganese Ore, Iron ore and Laterite also occurred in the form of OB.
7. It was reported that the laterite (from OB) was sold along with the Manganese ore after obtaining pit passes from mining department.

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8. It was reported that the PP has not crossed the production of Manganese ore beyond the permitted limit.
9. It was also reported by the PP that about 9 Lac MT laterite / Iron Ore is still staked at site as OB.
10. PP has submitted written apology to the regulatory authority for violation of the conditions of EC and Air/Water Acts.
11. It was reported by the proponent that the Mining Plan for the mining of Iron Ore, Manganese and Laterite is under preparation.
12. During presentation proponent also requested the committee for permission to evacuate the mined out mineral (being staked in form of OB) as back filling of the exploited mineral is not justified.

Committee was of the opinion that the mined out mineral (OB) should not be used for backfilling, hence a separate application for sorting & evacuation of this component may be made to MoEF / SEIAA. The TOR shall be issued after submission of approved Mining Plan for mining of all the desired minerals.

PP has submitted a copy of Mining Plan as required. In view of the same committee has decided to issue TOR to carry out EIA / EMP for the project with inclusion of following points:

- PP has to submit approved Mining Plan with EIA.
- All records pertaining to the Mining done so far has to be submitted duly Authenticated by the competent Authority.
- Compliances of EC conditions and Conditions of the Air/Water Consents to be submitted as a separate chapter of EIA.
- EMP should cover the impacts due to transportation of materials in 5 Km radius around the site.
- EIA should address the existing dumps of mineral and the OB at site including their volume and heights.
- Plan pertaining to removal of the dumps should be submitted incorporating the exact mode of disposal.
- Pollution Control Measures have to be planned for removal of existing dumps, details to be furnished in EIA / EMP.

Meeting ended with thanks to the Chair.

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