The meeting conducted on 28th September 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 – Proponents of 14 projects were called upon for presentation and submissions. The cases were taken up one by one. Discussion on the query responses and miscellaneous other issues were also taken up after the deliberations. Brief of the proceedings is as follows:

1. **Case no. 710/2012 Shri Ajay Pal Singh, Partner, M/s Khajuraho Minerals, Toriya House, P.O. & Distt. – Chhatarpur (M.P.) – 471001 –** *Expansion of Silon Salaiya Pyrophyllite & Diaspore Mine Crusher Khasra No. Compartment Number:- 558 Forest Range & Division : Chhatarpur at Village- Silon Salaiya, Tehsil – Raj Nagar,, Distt. – Chhatarpur (M.P.) Proposed Capa. – 25000 TPA* ***(Existing Capacity- 2000 TPA / 5.0 ha.)*** *Lease Area – 5.0 ha.-* **For-ToR**

   [Env. Consultant – Grass Roots Research & Creation India (P) Ltd. Noida (U.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. Hence the committee decided to call the PP in the meeting as per turn.

2. **Case No. 773 /2012 M/s Asnani Builder & Developers Ltd. Through Sh. Visan Asnani and Sh. O.P. Kriplani, 17, Zone-II, M.P. Nagar, Bhopal (M.P.)-** *Expansion of Residential Project Owner of Land: M/s Asnani Builder & Developers Ltd. Thtough Sh. Visan Asnani and Sh. O.P. Kriplani, Developers: Amrit Homes PVt. Ltd. and Amrit Colonizers Pvt. Ltd., at Village- Katara, Gram Panchayat- Rapadiya, The. – Huzur, Distt. – Bhopal (M.P.)–* **Building Construction Project.**

   [Env. Consultant: Not disclosed.]

It was brought to the notice of the committee by the proponent of the project vide his letter dated 26/09/2012 that the project pertains to plotted development only in an area of 23.76 hectare (less than 50 hectare). The layout of which has been approved by the Town & Country Planning Department. The development includes creation of recreation club, amenities and model houses comprising total built-up area of 17719 Sq.mt only. Accordingly, PP has requested that as the total plot area is less than 50 hectare and the total built-up area proposed in the project is also less than 20,000 Sq.mt it not covered under the provisions of EIA notification hence does not require prior EC for the proposed plotted development. In view of the above justification PP wish to withdraw the case. Committee decided that the PP may be allowed to withdraw the case based on his submission. The project files may be forwarded to SEIAA for further action in the matter.

(S.C. Jain) Chairman	(K.P. Nyati) Member SEAC	(V. Subramanian) Member SEAC
(V.R. Khare) Member SEAC	(A.P. Srivastava) Member SEAC	(Dr Mohini Saxena) Member SEAC

3. Case No. 774 /2012 **M/s Shri Sai Build Infra Pvt. Ltd., Indore, 302-303, Sangam House, 14-B, Palasia, A.B. Road, Indore (M.P.)** *Housing Project: " Ras Town" of M/s Shri Sai BuildInfra Pvt. Ltd., at Khasra No. 20/8, 20/9, 20/10, 23/5, 23/6 Village – Talawani Chanda, Tehsil & Distt. – Indore (M.P.)* ***Total Land Area: 36430.00 Sq. mt. (3.643 Hect.), Total Built Up Area – 40349.88 Sq.mt.*** **Building Construction Project**

[Env. Consultant: M/s In situ Enviro Care,Bhopal (M.P.)]

This is a building construction project proposed in a plot area of 3.643 hectare with total built-up area of 40349.88 Sq.mt. The project requires prior EC under the provisions of EIA Notification 2006 & its amendments as it is mentioned at S.N. 8 (a) of the schedule of the said notification. The case was forwarded by the SEIAA to SEAC for appraisal. The presentation and the submissions made by the PP and his consultant revealed following features of the project:

The land is located on a proposed master plan road 30 meters wide. Space for road widening is available throughout. The land is located in Gram Panchayat area. The civic amenities of drainage, sewage and other services are expected to be available

Salient Features of the Project

Total area of the plot : 36430.00 Sq.M
Proposed Built–up Area: 40349.88 Sq.M
Land Use : Residential
Building height : 18 m
ROW : Proposed 30 m w
Nearest Fire Station : 10.8 Km away from the site
Total Water Demand : 634 KLD
STP Capacity : 436 KLD
Solid Waste Generation : 1.409 TPD
Power Demand : 2.5 MW
Back Up Source : 310 KW (13 x 25 KVA, 1 x 63 KVA capacity DG sets)
Railway Station : Indore Railway Station – 10.5 Km away from site
Air Port : Devi Ahillyabai Holkar Airport–18 Km away from site
Total No. of Flats : 828 flats
Number of 1 bed room Flats - 126 Nos.
Number of 2 bed room Flats -450 Nos.
Number of 3 bed room Pent House - 192Nos.
Number of EWS Flats -40 Nos.

Area Statement:

Descriptions	Area (Sq.m)
Total Land Area	36430.00 SQM
Net Planning Area	33500.00 SQM
Area Under Road Winding	5050.00 SQM
Net Land area	28450.0 SQM (100%)

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

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(V. Subramanian) **Member SEAC**

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(Dr Mohini Saxena) **Member SEAC**

Permissible Built Up Area	57825.00 SQM
Proposed Built Up Area	40349.88 SQM
Ground Coverage	8535.00 SQM (30%)
Service area	275.00 SQM (0.97 %)
Green Area as per T & CP	3300.00 SQM (11.59%)
Proposed Extra Green Area	2684.00 SQM (9.44%)
Total Proposed Green Area	5984.00 SQM (21.03 % of Net Planning area)
M.O.S. & Circulation	13656.00 SQM (48 %)

Green area development

Proposed physical Green Area as per T & CP (Sq. m)	3300.00
Green Area Planning for Proposed Project (Sq. m)	2685.68
Total Green Area (Sq. m)	5984.00(21.03 % of Net land area)
No. of trees to be cut down	Nil
No. of Big trees to be planted	60

Water demand & Source of supply

1. In construction phase -water supply form the private tanker suppliers .
2. The Main source of water supply in operation phase will be Tube Well. It will cater the domestic requirement whereas additional water requirement will be fulfilled by treated water from STP.
3. Water supply is expected to be available for use from local authority in future .

Item Description	Residential
Domestic Water Requirement (Including Swimming Pool)	400 KLD
Flushing Water Requirement	187.3 KLD
Landscaping & other uses	46.5 KLD
Total Water Demand	634 KLD
Available Treated Water through STP	393 KLD
Net Fresh Water	400 KLD

Waste water treatment proposed:

Design Basis of STP:

- Treatment Concept: Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment.
- Treatment objective: To use the water for safe disposal or to use the water in auxiliary purposes like flushing, gardening etc.
- Capacity : 436 m3/day
- Operation: 20 Hrs.
- The treatment process consists Primary Treatment, Secondary Treatment and Tertiary Treatment of the sewage followed by recycling of the treated waste water in flushing & gardening.

Solid Waste generation from the project:

- Total solid waste generated will be around 1. 409 TPD

- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
- 100% Door to Door Collection system will be done by the maintenance staff.
- Hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
- Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
- The MSW collection centre will be at the back gate of the campus where three covered bins of green white and black color will be placed for collection from the campus and for final transportation for disposal.

Fire Protection

- Fire Protection and Life Safety arrangements which shall meet the minimum requirements as per the prevailing Local fire by laws and NBC(Part-IV)-2005
- In the proposed project Automatic Fire detection and Alarm System shall be provided in lift machine rooms in each block as well as whereas manual call boxes, Electronic alarms, Integrated Public Announcement system is proposed to be provided on each floor of each block.
- An independent fire hydrant ring main is proposed to run around the building.
- It is proposed to provide underground water storage tank of capacity 50000 liters of water exclusively for fire protection.

Submissions of documents from PP:

1. T & CP approval-Indore- vide letter no. SN/1711/S.P./598/10/NGRANI/10 dated 15/3/2011
2. Building development permission from Gram Panchayat vide letter no. SN/28 dated 1/2/2012
3. Colony development permission from Indore Collector vide letter no. SN/13/2011 dated 30/05/2011
4. Receipt of Application submitted to Fire Office, Bhopal for NOC- SN/21-C/11 dated 12/02/11
5. Coloniser Registration - SN/14/2010 dated 25/03/2010
6. Copy of Receipt of application to CGWA for ground water abstraction from.
7. Copy of Receipt of application to Municipal Corporation for municipal solid waste disposal along with STP sludge from, Indore.

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 sets.

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

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- Treatment of sewage on site in STP .
- Use of treated sewage water for Flushing & Landscaping.
- RWH and SWM scheme
  - 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 as per IMC remarks.
- Minimizing Water Consumption
  - Use dual flush system, Auto flushing sensors for urinals
  - Efficient Plumbing Fixtures

Noise

- Construction Phase
  - Regular maintenance of construction equipments
  - Barricading of the construction area with 3m high barrier
  - Job Rotation and Hearing Protection for workers
- Operational Phase
  - Provision of adequate parking space
  - Acoustic enclosure for D.G. Set
  - Use of D. G. set as alternate power supply in case of power failure which is a rare occurrence in this area.

Cost of environmental management plan

Description	Capital cost (lacs)	Running cost (lacs/year)
Air		
Construction Phase	0.8	1.1
Operation Phase	0.6	0.2
Noise		
Construction Phase	0.8	0.08
Operation Phase	0.6	0.16
Water and Land		
Construction Phase	04	0.5
Operation Phase		
Sewage Treatment Plant	35	18
Rainwater Harvesting & Storm water Management	20.0	4.0
Solid Waste Management	4	0.8
Energy		
Lighting	10	1.0

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Biological		
Landscaping	3.0	0.9
Total	Rs. 78.8 Lakhs	Rs. 26.74 Lakhs / Year

After deliberations Committee has asked the proponent to submit response to the following queries along with the supporting documents at the earliest:

1. Memorandum of Article as Registered Private Company to be furnished.
2. Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.
3. Ground water recharging has been proposed in the project; in this context figures and calculations for net recharge / net drop-down to be furnished based on the hydro-geology of the region.
4. Car parking space has to be re-calculated comparing the norms of CPCB and State authority.
5. Water supply from ground as well as from Municipal Corporation has been opted in the project; in this context PP is required to submit permission from CGWA as well as from Indore Municipal Corporation along with the time line for completion of Narbada water scheme.
6. Locations of STP, MSW storage area and bins have to be relocated such that the transfer of wastes can be facilitated with minimum disturbance to the residents of the township.
7. Provision for play ground has to be explored and furnished.
8. Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.
9. Exact distance of the project boundary from the railway acquired land boundary to be furnished along with a copy of norms set by the railway in this context.

4. Case No. 775 /2012 - **Sh. Umesh Lilani, M/s Man Developments, G-9, Man Heritage, 6/2 South, Tukoganj, Indore, Distt. - Indore(M.P.)-** ***Proposed Residential Complex " Royal Amar Greens" at Khasra No. 37/1/2,38/1/2, 38/1/2, 38/1, 38/2, 39/1/1, 39/1/2, 39/1/3, Niranjanpur, Indore (M.P.) Total Plot Land Area: 20,350 m^2, Total Built Up Area – 45,159.98 m^2*** **Building Construction Project**

[Env. Consultant: DAS (India) Pvt. Ltd. – Lucknow (U.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. Hence the committee decided to call the PP in the meeting as per turn.

5. Case No. 646 /2011 **M/s Prism Cement Ltd. , 305, Laxmi Niwas Apartments, Ammer pet, Hyderabad (A.P.) 500 016** - *Lime stone mine 40.236 ha. at Bhandarkha, Teh. - Rampur, Baghelan, Distt. - Satna-(M.P.)* ToR issued vide letter no 19 dt. 25/01/12 **For – EIA Presentaton.**

[Env. Consultant: Creative Enviro Services, Bhopal (M.P.)]

This is a mining project pertaining to captive mining of limestone from 40.236 hectare of lease area with production capacity to the tune of 2,40,000 TPA. The limestone shall be used by the industry for cement production in-house. The activity is covered at SN 1(a) in the schedule of EIA Notification 2006 hence is required to obtain prior EC before commencement of mining. The case was forwarded by the SEIAA to SEAC for appraisal. Project proponent and his consultant presented the EIA / EMP before the committee in this meeting. The presentation and the submissions made before the committee reveals following:

Total requirement of limestone for the captive cement plant (Unit II) is around 4.5million tones per

annum. It is proposed to excavate about 0.24 million tones of limestone every year from subject ML area for partial fulfillment

Brief of the project:

Lease Area	40.236 ha
Production Capacity	2,40,000 TPA
Public Hearing	07.07.2011
Location of Mine	Village- Bandrakha, Tehsil _ Rampur Baghelan, Dist Satna (MP)
Geological Location	Latitude- 24°34'20" N - 24°35'7" N Longitude - 80°58'37" - 80°59'24" E
Lease Period	From 28.02.2011 to 27.02.2031
Ownership	Private and govt.

Environmental setting of project

Particulars	Details
Latitude Longitude	24°34"20" to 23°35'07''N 80°58'37" to 80°59'24" E
General ground level	287 AMSL
Elevation range	Highest-292 m RL, Lowest- 287m RL
Nearest National Highway	NH-75 - S – 4.0km
Nearest Railway Station	Satna – 18km
Nearest Tourist Place within 10km radius	None
Archaeological Important Place within 10km radius	None
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius	None
Reserved / Protected Forest within 10km radius	Jamori RF -WN - 1.5km Sathari RF - ENE -4.5km Naru PF -SW - 9.0 km
Surrounding village within 1 km area of the project.	Bandarkha – adjoining
Nearest River	Tamas River –N - 0.08km Nar Nadi - E - 4.0km Simrawal Nadi – N -9.0km
Nearest Lake/ Ponds	Magardaha Nalla -W -0.250km Dila Nalla –E – 7.0 km Badkhar Nalla -WSW - 6.75km
Nearest Hill Ranges	Naru Hill – SW – 9.0km
Source of Water for mine	Mine pit

Salient features of the project

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Particulars	Details
Type of Mine	Open Cast /Mechanised
Mining Lease Area	40.236 ha
Mineable Area	27.821 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Infrastructure and road	Nil
Mineral Storage	Nil
Geological Reserve	5.21 million tonne
Recoverable Reserve	3.91 million tonne
Ultimate Depth of Mining	18 m bgl
Ultimate Pit Slope	38°
Expected Life of Mines	18 years
Area to be covered under dumps at the end of lease period	5.74 ha
Area to be covered under pit at the end of lease period	27.821ha
Area to be reclaimed at the end of lease period	6.701 ha
Area to be converted as water reservoir	21.12 ha
Plantation end of lease period	17.0 ha
Average mRL	292-287AMSL
Ground water table	
Monsoon period	20m bgl (267mRL)
Dry month	22m bgl (265mRL)

PP has submitted copies of following permissions / NOC:

- Mining lease orders issued vide letter no. F 2-11/03/12/0 dated 11/09/2008.
- NOC from forest department (DFO Satna letter no. 6618 dated 25/07/2011.).
- Khasra Paanch sala.

Method of mining

Mining Method	Opencast method of mining (other than fully mechanized mines) has been proposed. All operations of mining will be done by deployment of earth moving machineries for excavation, loading & transport. Regular drilling will be done for heaving purpose in the lease area. Blasting will be done occasionally. Random holes of 2.8m deep will be done.
Blasting detail (if required)	Diameter of the drilled Hole : 115mm Burden : 3.0m Spacing : 4.0m Depth of holes : 2.5-6.5m Powder factor : 7 Initiation system (Down the holes charging):by NONEL Percentage of High Explosive : 18% Sub grade drilling : 10% Angle of blast hole from vertical : 5° to 7°
Water Consumption (Avg.)	Domestic use – 02kld, green belt development – 04kld and dust suppression – 10kld

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Water reservoir capacity	Existing water reservoir - 12.0 ha * 6m = 720000kl

Year wise production rate:

Year wise development/ production for the five years period				
Year	Soil in MT	Calcareous Clay in MT	Waste rock in MT	Limestone in MT
1st	25000	99000	0.0	12300
2nd	23000	130000	62000	150000
3rd	20160	82000	37500	180000
4th	24500	93000	44000	200000
5th	8650	51500	24000	240000
Total	101310	455500	167500	782300

Proposed EMP:

SN	Component	Impact	Aspect	Potential Impact	Mitigation measures proposed
1.	Ambient Air quality	Around 10km radius	Particulate and gaseous emission form excavation, drilling, blasting, loading and vehicular movement from proposed as well as existing lease areas	Since other leases are in continuation with the proposed lease area and all leases are in operation except the proposed one, short term and minor negative impact is envisaged inside the lease area. It is also noticed that one need to pass the existing operation lease for approaching the proposed lease. However no negative impact outside of the lease area is anticipated and cumulative impact is also restricted to limited zone with localized effects. Water spraying has been observed all along the approach road regularly by tanker, which will be adopted for fresh lease while it will be operational. Hence no significant impact at sensitive receptors.	• Haulage of overburden to the proposed dump siding will be done by dumper. The haulage road from pit to dump side is about 1.0km, and transportation road of limestone from pit to crusher for cement plant is 3.0km is kuchha & located within the common periphery of the other leases of the project proponent. No habitations have been observed along the said kuchha road. Though the water has been sprayed all over the roads passing from other leases of proponent, possibility of installation of fixed sprinkling system may be explored. • Plantation at other areas is in progress. It is suggested that proponent should earmarked a common boundary of all leases and carry out plantation of 50 mt width all around which will act as barrier for flowing of pollutants. Plantation along haul roads & approach road will also be carried out to reduce the dust. • Periodic maintenance of haulage roads. • Dust mask shall be provided and shall be made compulsory to all workers shall be worked in the

					subject mine. • Since infrastructures is common for plant and all mines, Regular maintenance of vehicles and machinery's will be carried out at central work shop in order to control vehicular emissions • Regular monitoring will be practiced as it is in process for other lease to know the level of pollutants and accordingly measures shall be adopted • Water spraying has been observed all along the approach road regularly by tanker, which will be adopted for fresh lease while it will be operational. Hence no significant impact at sensitive receptors
2.	Noise	within mine premises	Noise generated from excavation of mineral, drilling, blasting, loading of mineral and vehicular movement	Mining is proposed through mechanized means by using Blasting & Drilling.	1. Double layer green belt will be provided in phased manner around the periphery of the mine to screen the noise; 2. Trees will be planted on both sides of roads used for transportation; 3. Proper maintenance shall be carried out for noise generating machinery which includes the vehicles also 4. Provision of protective devices like ear muffs/ear plugs; 5. Control muffles blasting with down hole initiation to avoid the propagation of noise and vibration 6. Control blasting with down hole initiation system will be adopted, which produces less vibration, less noise and better fragmentation as it is already adopted for operational leases. All the precautions are being taken as per the DGMS guideline. During the drilling and blasting earmuff and ear plug will be provided.
3	Water quality	In and around the core	No discharge of effluent/wastewater .	The major water body is Tamas River, which is 0.08 km in north direction & Magardaha nalla	• It is proposed the create garland drain and silt trapping system around the lease boundary for

		zone		situated at 250 m away from the lease boundary in western direction.	protection of Tamas River. • It is suggested to carry out green belt development on width of 130 mt (80 mt river bank and additional left over 50 mt). The activity may be started as soon as possible. • The northern portion of the excavated pit shall be completely backfilled and provided height above the HFL of the river Tamas. The backfilled area shall be converted in to thick green area with aesthetic feature as it has been done for adjacent mine also. • To reduce suspended solids, coming to mine pits, garland drains will be provided at around the pit and around the dumps also. All garland drain will be connected to Settling tank (water retaining structure) which is proposed at south east direction of the lease area. The accumulated water will be used for dust suppression, green belt development and agriculture purposes. The size of the water body will be 21.12 ha at the end of the mine life
4	Water use	within mine premises	Mine pit water and well	Mining activity will not affect ground water table and no ground water withdrawal is proposed for mining activity.	• Water will be sourced through existing excavated pits and hand pumps/ well located in the lease area. During the lease period about 21.12 ha excavated area (upto 13m depth) will be converted as water body, which will also act as water harvesting structure • The excess water of created structure any also be discharged in adjoining excavated pit located outside of the core zone, which will be useful for recharging of ground water table in the area whole

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5	Soils	within mine premises	Storage of soil, Overburden and waste	Reclamation of the mined out area has been proposed from 3rd year and thereafter concurrent backfilling will be carried out. About 2.10 ha will backfilled during first three year period and afterward about 4.595 ha area will be backfilled and reclaimed by 6th year to mine life. Remaining excavated area i.e. 21.12 ha will be converted as water structure. To avoid the spillage of waste material which may give impact on soil quality, drain pattern will be designed in such manner so that it will end to water pit. Stabilization of dumps will be carried out. Minor negative impact is anticipated.	1. Proper stabilization of overburden dumps till the utilized for back filling purposes. 2. Utilization of soil dumps as soon as possible. 3. Retaining wall at the foot of the dump to prevent the flow of loose material. 4. The water reservoir of 21.12 ha shall be provided with fencing and proper steps. 5. Plantation shall be taken up at faster pace considering the nearby water bodies
6	Ecology flora and fauna	In core and buffer zone	Change in land use and method of working	Two reserve forest areas are observed in buffer zone. No mining activity is proposed at reserved forest area. Core zone is not having forest growth. Jamori RF, Sathri RF & Naru Protected Forest comes in 10 km radius	• No endangered species of schedule-1 have been identified in the area and therefore no conservation plan is required. • Control measures of silt flow are strongly recommended to avoid the possible disturbance of aquatic eco system of river Tamas. • No blasting effect is also envisaged as controlled blasting will be adopted. Further creation of water body will improve the biological environment in all. Hence no impact is anticipated. • Afforestation on 17 ha areas with 17020 numbers of trees are proposed, which will increase aesthetic of the area
7	Socio-economic	In core and buffer zone	Increased job opportunity for local villagers (direct and indirect)	Overall positive impact	
8	Traffic pattern	In core and buffer zone	Increased heavy vehicular movement due to transportation of overburden and mineral	Considering the rate of production 20 dumpers/loader is expected to move on per day basis, which will be addition to the present number.	• The road from plant to highway has been made pucca by the project proponent. Short term minor negative impact is anticipated due to increased transportation. However generation of dust by moving vehicle is localized and for

					shorter period. Though plantation along the transportation road has been observed, densification is suggested to suppress the fugitive emission further.

Public hearing issues

Public representative	Issue raised	Response of proponent
Smt. Shanti Kori, Sarpanch, Vill- Hinauti, Distt. Satna, Shri Jagdish Singh, S/O Shri Sukhdev Singh, Vill. Badarkha Distt. Satna, Shri Mohit Singh, S/O Shri Ramcharit Singh, Vill- Hinauti, Distt- Satna, Shri Rohini Singh Vill- Badarkha, Distt- Satna, Shri Ganesh Singh, Vill- Badarkha Distt- Satna and Shri Ramesh Singh, Vill- Badarkha Distt- Satna	Requested for employment to villagers, plantation.	Dense plantation will be done in mines periphery, Employment will be given according to eligibility & requirement
Shri Harishankar Tiwari, Vill- Mau, Distt- Rewa	1 Noise Pollution, Air Pollution due to – Blasting, 2 Water pollution due to settling of dust, stone and smoke from air into water body. Ground water level will also be affected. 3 Geological & Physical problems. 4 Problems pertaining to cracks in walls or collapse of buildings. 5 Effect on agriculture	1. Controlled blasting will be done as per guidelines of IBM; delay detonating technique will be adopted. 2. Air pollution control devices will be installed at all the point sources of emission and have been already installed at various locations (Emission Points) in Plant. 3. Wet drilling will be done, water spray on haul roads. 4. All due care will be made to arrest the dust generated at source, ground water level will be improved due to collection of rainy water in abandoned mine pits. 5. No mining will be done beyond permitted depth assigned by IBM due to which no effect on earth strata and no possibility of release of poisonous gases, earthquake & landslide. 6. All the pollution control devices will be installed as per guidelines of CPCB/MPPCB to avoid the release of pollutants. Cause of mental ill heath is

		unwarranted. 7. After installation of pollution Control devices , there will be no possibilities of any type of physical problem

After deliberations committee found the EIA, EMP, CER, CSR and other submission satisfactory and acceptable hence recommended the case for grant of prior EC subject to the following special conditions:

1. Controlled blasting will be done as per guidelines of IBM; delay detonating technique will be adopted and down hole initiation system will be adopted
2. All the pollution control devices will be installed as per guidelines of CPCB/MPPCB.
3. Appropriate measures to control the silt shall be taken and reported to avoid the possible disturbance of aquatic eco system of river Tamas.
4. Dense plantation all along the transportation road has to be taken up immediately.
5. Mine wise production record shall be maintained at site.
6. The water reservoir as proposed in 21.12 ha shall be fenced and aesthetically developed.
7. Afforestation on 17 ha areas with minimum 17020 numbers of trees as proposed shall be taken up with mining.

6. Case No. 782/2012 **Shri Nilesh Upadhayay, 10,, College Road, Jhabua (M.P.) – 457661 -** *Julwania Dolomitic Lime Stone Deposit at Khasra No. 310/2, & 311Village – Julwania,Tehsil-Jhabua, Distt.- Jhabua (M.P.)* ***Lease Area – 9.0 Ha.,*** **For – ToR [Env. Consultant: PEC Nagpur.]**

This is a mining project pertaining to mining of dolomite & limestone from 9.0 hectare of lease area with average annual production capacity to the tune of *1,000 MT*. The activity is covered at SN 1(a) in the schedule of EIA Notification 2006 hence is required to obtain prior EC before commencement of mining. The case was forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out mining. PP and his consultant presented the salient features of the project, which reveals following:

The proposed mining plan of Julwania Dolomitic Limestone for area 9.00 Hect. in village. Julwania, tehsil Jhabua, district Jhabua is submitting by a applicant Shri Nilesh Upadhyay 10, College Road Jhabua under rule 22 M.C.R. 1960 for grant of mining lease Applicant has received the direct sanctioning of mining lease order letter from the state government order no. 3-01/2006/12/1 dated 25-01-2006 for Dolomitic limestone for area 9.00 hectare under the khasra no. 310/2 & 311 for area 3.23 hectare and 5.77 hectare respectively in village Julwania tehsil Jhabua district Jhabua, the State Government has given the direct lease sanctioning permission on the basis of already prospected area for the dolomitic limestone by Directorate of Geology and Mining Indore.

Average annual production is reported to be 1000 MT per year.

During discussion it was reported by the PP that as per new mining plan which due for approval from

IBM the production opted is 2.0 Lac MTPA. Committee has asked the Proponent to submit the case with revised production capacity as per the approved mining plan. The project may be returned to SEIAA for further necessary action.

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Member SEAC

(Dr Mohini Saxena)
Member SEAC

7. Case No. 804/2012 **Mr. P.C. Chaudhary, Executive Engineer, Bhopal Development Authority, Bhopal (BDA), Pragati Bhawan, Press Complex, M.P. Nagar, Bhopal (M.P.) 462011 -** *Affordable Housing at Maharshi Patanjali Vinayak Nagar at Khasra No. 490,491 and 436, Village – Gondarmau, Tehsil – Huzur, Distt. – Bhopal (M.P.)* ***Total Land Area – 55,000.00 Sq. mt. Total Built up Area – 49,783.76 Sq. mt.*** **Building Construction Project**
[Env. Consultant: Sawen Consultancy Services Pvt. Ltd. Lucknow (U.P.).]

This is a building construction project proposed in a plot area of 5.5 hectare with total built-up area of 49783.76 Sq.mt. The project requires prior EC under the provisions of EIA Notification 2006 & its amendments as it is mentioned at S.N. 8 (a) of the schedule of the said notification. The case was forwarded by the SEIAA to SEAC for appraisal. The presentation and the submissions made by the PP and his consultant revealed following features of the project:
The project is construction of Affordable Group Housing at Maharishi Patanjali Premises, Vinayak Nagar, Gondarmau Phase I (A-B-C) to accommodate 488 LIG and 320 EWS dwelling units with community facilities as 1 BHK & 2 BHK Complex flats for economically weaker sections and lower income group. Cost of Project : The total project cost is Rs. 6975.18Lac with Central share of 736.15 Lac and Builders share of Rs. 6239.03 Lac.

Geographical Settings of the project:

North: Bisankhedi, Dobra, Prempura village is located about 1.0 Km from the project site.
South: Singar Choli village is located about 0.5 km from the project site.
East: Abbas Nagar & Rishivilla Residential Areas is located at about 4.0 and 3.0 Km from the project site. NH-34 connecting Narsinghgarh to Raisen is located about 1.5 Km, E-S.
West: Pipalner village, Airport, and Mubarakpur village located at about 0.5, 2.0 & 1.5 Km from the project site respectively.

Brief of the Project:

Location	Gondermau, Bhopal (MP)
Land Use as per Master Plan 2021	Residential
Plot No.	Khasra No. 490, 491 & 436
Tehsil	Huzur
District	Bhopal
Connectivity / Landmarks	Nearest Railway Station is Bairagarh at distance of 7.0 Km, in South West direction. Raja Bhoj Airport is at distance of 2.0 km in South West Direction. Halai river is at distance of 4.5 Km, North-West RGPV at a distance of 2.0 Km, East. Central Institute of Agriculture & Engineering – 5.0 Km, East. Rishi Raj College of Dental Science-4.0 Km, South. Bairagarh Kendriya Vidyalaya , 7. 0 Km, SW.

Salient features of the project:

E.W.S = 16 X 20 Flats;
L.I.G = 16 x 26 + 12 x 6 Flats
Total Plot Area : 55, 000.00 sq.m.
Total Built up Area : 49, 783.76 sq.m.
Residential : 34, 186.65 sq.m
Facilities : 1436. 35 sq.m.
Total Green Area : 5610.73 sq.m
Total Road Area : 10873.60 sq.m.
No. of Floors : Four Storied (G+3) [EWS = 13.44 m, LIG = 14.65 m]
F.A.R : 1.20
Power Supply : 250 KVA –Transformer
Total Dwelling Units : 1088
Total Population : 6548 personnel's
Total Consumption of Water : 495.67 KLD
Total nos. of rainwater harvesting pits: 29 Nos.
Total Project Cost : Rs. 6975.18 Lacs

Area Statement:

No. of EWS Dwelling Unit
16 flats x 20 blocks = 320 nos.
No. of LIG Dwelling Unit
16 flats x 26 blocks = 416 nos +12 flats x 06 blocks = 72 nos .
No. of Plots = 280 nos.
Informal Sector Market = 06 Block x 12 shops (covered in LIG Ground Floor)

Unit	Built Up Area of One Unit (sq.m)	State By Laws for Affordable Housing Projects	No. of Unit	Total Built Up Area (sq.m)
LIG	50.63	40-58 sq.m.	416	24707.49
EWS	33.02	30-39 sq.m.	320	10566.40
Plot	40.50	-	280	11340
Shops	16.87	-	72	1215.12
Community centre	-	-	1	591.60
Livelihood	-	-	1	720.0
Aanganbadi	-	-	1	643.20

Water requirement in the Project:

SN	Water Use	Population	Per Capita in (LPCD)	Total Water Requirement (KLD)
1	Residence	5440	86	467.84
2	Visitors	1088	15	16.32
3	Facilities Staff (Community Centre, Medical Facilities	20	45	0.9

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	Aanganbadi, Training Shops, Workshops, Shops etc.)			
Total Domestic Water Requirement		6548		485.06 KLD
4	Livelihood Centre/ Workshop	-	Lumpsum	5.00
5	Gardening	5610.73 sq.m.	1.0 l/m^2	5.61
Total Water Requirement			495.67 KLD	

Waste water generation from the project:

SN	Water Use	Discharge (KLD)
1	Domestic	388.048
2	Vocational training, Workshops	NIL
3	Gardening	NIL
	Total Waste Water Generation	388.048 KLD

Cost on EMP

S.No.	Capital Expenditure	Cost (Rs. in Lacs)
1.	Landscaping	2.0 Lacs
2.	STP	175.0 Lacs
3.	Rain Water Harvesting	106.58 Lacs
4.	Chlorination Plant	3.5 Lacs
5.	Waste Management	5.0 Lacs
6.	Miscellaneous	5.0 Lacs
	Total	Rs. 297.08 Lacs

Recurring expenditure towards EMP execution-

S.No.	Recurring Expenditure	Cost (Rs. in Lacs)
1.	Landscaping	0.5
2.	STP (O&M)	2.0
3.	Rain Water Harvesting	5.0
4.	Environmental Monitoring	1.25
5.	Chlorination Plant	0.5
6.	Waste Management	3.0
	Total	Rs. 12.25 Lacs

After deliberations Committee has asked the proponent to submit response to the following queries along with the supporting documents at the earliest:

1. Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.
2. Water supply from Municipal Corporation has been opted in the project; in this context PP is required to submit permission Bhopal Municipal Corporation along with the time line.

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3. Locations of STP, MSW storage area and bins have to be relocated such that the transfer of wastes can be facilitated with minimum disturbance to the residents of the township.
4. Technology selection for STP should be economically feasible.
5. Provision for play ground has to be explored and furnished.
6. Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.
7. Provision for keeping window coolers to be made in the flats and furnished.

8. Case No. 805/2012 **Shri Jitendra Singh Kushwaha, Director, "M/s Salasar Heights" of M/s Salasar Balaji Real Infra 19, A, Balwant Nagar, Thatipur, Gwalior (M.P.) 474011 -***Residential Project: "SalasarHeights" of M/s Salasar Balaji Real Infraat Survey No. 129, Village –Ohadpur, Tehsil – Gwalior, Distt. – Gwalior (M.P.) Total Land Area - 9590.00 Sq.mt. (0.959 Hect.) Total Built up Area – 26387.00 Sq. mt* **Building Construction Project**.
[Env. Consultant: M/s In-situ Enviro care, Bhopal (M.P.).]

This is a building construction project proposed in a plot area of 0.959 hectare with total built-up area of 26387.00 Sq.mt. The project requires prior EC under the provisions of EIA Notification 2006 & its amendments as it is mentioned at S.N. 8 (a) of the schedule of the said notification. The case was forwarded by the SEIAA to SEAC for appraisal. The presentation and the submissions made by the PP and his consultant revealed following features of the project:
The land is located on a proposed master plan road 30 meters wide. Space for road widening is available throughout. The land is located in Nagar Nigam Gwalior. The civic amenities of drainage, sewage and other services are expected to be available.

Statutory approvals obtained

1. T & CP Approval-Gwalior – vide letter no. SN/1173/04084/NGRANI/2012 DATED 7/5/2012
2. Fire NOC- Fire Office, Gwalior - SN/116/2012/4/11/FIRE /276 dated 9/8/12
3. Colonizer Registration- SN/23/2012/3/3 PART 15 dated 22/05/2010
4. Receipt of the application submitted to CGWA for ground water abstraction.
5. Receipt of the application submitted to Municipal Corporation, Gwalior for municipal solid waste disposal along with STP sludge.
6. Receipt of the application submitted to Municipal Corporation, Gwalior for water supply.

Salient features of the project:

Total area of the plot	: 9590.00 Sq.M
Proposed Built–up Area	: 26387.00 Sq.M
Land Use	: Residential
Building height	: 33 m
ROW	: Proposed 30 m wide road
Nearest Fire Station	: 3.5 Km away from the Site
Total Water Demand	: 269 KLD
STP Capacity	: 186 KLD
Solid Waste Generation	: 0.633 TPD
Power Demand	: 2.07 MW

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(V.R. Khare) **Member SEAC** | **(A.P. Srivastava)** **Member SEAC** | **(Dr Mohini Saxena)** **Member SEAC**

Back Up Source : 100 KW (1 x 125 KVA capacity DG set)
Railway Station : Gwalior Railway Station – 3.8 Km away from site
Air Port : Gwalior Airport–13.6 Km away from site
Types of Flats : Number of 1 bed room Flats - 30 Nos.
: Number of 2 bed room Flats -202 Nos.
: Number of 3 bed room Pent House – 120 Nos.
: Number of EWS Flats -20 Nos.

Area Statement:

Descriptions	Area (Sq.M)
Total Land Area	9590.00 SQM
Area Under Road Winding	965.08.00 SQM
Balance Planning Area	8624.92.00 SQM (100 %)
Proposed Built Up Area	26387.00 SQM
Ground Coverage	2587.00 SQM (30%)
Green Area as per T & CP	1035.00 SQM (12.00%)
Proposed Extra Green Area	776.24 SQM (9.0%)
Total Proposed Green Area	1811.24 SQM (21.00 % of Net Planning area)
M.O.S. & Circulation	4226.21 SQM (49 %)

Water demand & source

Item Description	Residential
Domestic Water Requirement (Including Swimming Pool)	160.12 KLD
Flushing Water Requirement	72.86 KLD
Landscaping & other uses	35.17 KLD
Total Water Demand	268.15 KLD or Says 269 KLD
Available Treated Water through STP	168 KLD
Net Fresh Water	161 KLD

1. During construction phase water supply form the private tanker suppliers shall be maintained.
2. The Main source of water supply in operation phase will be Tube Well & Municipal Corporation. It will cater the domestic requirement whereas additional water requirement will be fulfilled by treated water from STP.

Solid Waste generation and management:

- Total solid waste generated will be around 0.633TPD
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.

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- 100% Door to Door Collection system will be done by the maintenance staff.
- Hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
- Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
- The MSW collection centre will be at the back gate of the campus where three covered bins of green white and black color will be placed for collection from the campus.

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 sets.

Environmental Management Plan-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
    - 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 as per GMC remarks.
    - Minimizing Water Consumption
    - Use dual flush system, Auto flushing sensors for urinals
    - Efficient Plumbing Fixtures

Environmental Management Plan-Noise

- Construction Phase
  - Regular maintenance of construction equipments
  - Barricading of the construction area with 3m high barrier
  - Job Rotation and Hearing Protection for workers
- Operational Phase
  - Provision of adequate parking space
  - Acoustic enclosure for D.G. Set
  - Use of D. G. set as alternate power supply in case of power failure which is a rare occurrence in this area.

Cost of environmental management plan

Description	Capital cost (lakhs)	cost (Rs lac/year)
Air		
Construction Phase	0.2	0.28
Operation Phase	0.15	0.05
Noise		
Construction Phase	0.2	0.01
Operation Phase	0.15	0.04
Water and Land		
Construction Phase	1.0	0.13
Operation Phase		
Sewage Treatment Plant	18	9.0
Rainwater Harvesting & Storm water Management	6.0	1.5
Solid Waste Management	2.0	0.4
Energy		
Lighting	9.0	0.9
Biological		
Landscaping	*2.0*	0.6
Total	Rs. 38.70 Lac	Rs. 12.91 Lac / Year

After deliberations Committee has asked the proponent to submit response to the following queries along with the supporting documents at the earliest:

1. Memorandum of Article as Registered Private Company to be furnished.
2. Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.
3. Ground water recharging has been proposed in the project; in this context figures and calculations for net recharge / net drop-down to be furnished based on the hydro-geology of the region.
4. Car parking space has to be re-calculated comparing the norms of CPCB and State authority.

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5. Water supply from ground as well as from Municipal Corporation has been opted in the project; in this context PP is required to submit permission from CGWA as well as from Gwalior Municipal Corporation along with the time line.
6. Locations of STP, MSW storage area and bins have to be relocated such that the transfer of wastes can be facilitated with minimum disturbance to the residents of the township.
7. Provision for play ground has to be explored and furnished.
8. Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.

9. Case No. 793/2012 Shri Ajay Tiwari, E.E. Division, 6, Madhya Pradesh Housing & Infrastructure Development Board, Bhopal, Div. No. – 6, E-5, Arera Colony, Bhopal (M.P.) 462016 - *Proposed Residential Project at Khasra No. 297/75/1 and Part of 1500 at Village Shahpura &Bhopal City resp., The- Huzur, Bhopal Nagar Palika Bhopal, Distt. – Bhopal (M.P.)* ***Total Land Area – 7529.88 Sq.mt. Total Built up Area – 24615.19 Sq. mt.*** **Building Construction Project**

[Env. Consultant: Creative Enviro Services E-8, Bharat Nagar Shahpura, Bhopal (MP)]

This is a building construction project proposed in a plot area of 0.7529 hectare with total built-up area of 24615.19 Sq.mt. The project requires prior EC under the provisions of EIA Notification 2006 & its amendments as it is mentioned at S.N. 8 (a) of the schedule of the said notification. The case was forwarded by the SEIAA to SEAC for appraisal. The presentation and the submissions made by the PP and his consultant revealed following features of the project:

Permission from High-rise building Committee granted vide letter no. 326 dated 11/02/2010.
Approval from Town & Country Planning deptt. Granted vide letter no. 347 dated 06/05/2010.

Details of the Project:

SN	Project Requirement	Details
1	Proposed Project	TULSI TOWER , M.P. HOUSING BOARD.
2	Location	Survey No. 297/75/1,1500, Tulsi Nagar, Tehsil Huzur, Bhopal . (MP)
3	Owner of the land	Madhya Pradesh Housing & Infrastructure Development Board, Bhopal.
4	Plot Area	Total Land Area =7529.8 sq mt
5	Proposed Built-up Area	Total Built Up Area = 24615.19 sq mt
6	Landscaped Green Area	737.26 sq mt
7.	Dwelling Units	Residential Building : Total Number of Flats : 99, Recreation space (Club) :1.
8	Total Water requirement	67.8 KLPD
9	Solid waste generated	223 kg

10	No. of Parking proposed	254 No.
11	Total Power requirement	1200 KW

Area Statement-

Total Plot Area	7529.88 sq mt
Area under road widening	157.29 sq mt
Service Area 1%	73.73 sq mt
Net Plot Area	7372.59 Sq mt
Max Permissible F.A.R. 1:2.5	18431.47 sq mt
Additional F.A.R. of Road Area 157.29x2x2.5	786.45 sq mt
Permissible ground coverage 30%	1968.48 sq mt
Height	Stilt + 45 mt + 1 Basement
Proposed open area 10% of net plot area	737.26 sq mt
Proposed built up area for residential	24615.19 sq mt

Water Balance:

Total Water Balance												
S no	Description	Total Population	Water Requirement				Total Water	% flow to Sewer				
			Domestic									
			A		B		A+B	Flushing		Domestic		Total waste water
			LPCD	KLD	LPCD	KLD	KLD	%	KLD	%	KLD	LPD
1.	Flats (99)	495	45	22	90	45	67	100	22	85	36	58
2	Club	50	07	0.4	08	0..4	0.8	100	0.4	85	0.3	1..7
	Total	545					67.8		22.4		36.3	58.7

Process description of STP:

STP with capacity of 60 KLPD has been proposed in the project.

Process Description of STP

The highlights of proposed technology and plant design are summarized as follows:

- Compact design.
- Proven technology.
- Optimum power requirement to achieve the required level of treatment.
- Minimized use of chemicals in the treatment plant.
- Consistently producing superior quality of treated effluent.
- Ease of operation and maintenance.
- Cost effective.

Proposed Process

The main treatment Units are as follows:

- Fine Screen (10mm) for removal of suspended and floating debris equal or greater
- Equalization Tank to cater peak & lean flow.
- Biological Treatment- Moving Bed Bio Reactor(Two Stage)
- Secondary Clarification
- Tertiary Treatment and Disinfection unit
- Sludge Treatment
- Sludge Collection tank
- Sludge Dewatering: Sludge dewatering unit.

Solid waste management

Description	Occupancy	Kg per Capita per day	Total in Kg per day
Residents	495+50	@0.40	218
Staff	20	@0.25	5
Total Solid Waste Generation	-	-	223

Description of Modules	Treatment & Disposal of Total Solid Waste
General Garbage	1. There shall be segregation at source 2. Organic/Biodegradable And non recyclable waste will be disposed off at trenching site of BMC. 3. Inorganic waste like plastic, packing material, metal shall be sold to recyclers/vendors for recycling.
STP Sludge	STP sludge shall be in the form of drying beds & will be taken through filter press & used for gardening as per requirement.

ENVIRONMENTAL MANAGEMENT PLAN

Air Pollution Control

- The source of air pollution in the proposed project will be vehicular movement and DG sets.
- To combat air pollution, development of green belt has been proposed.
- Due to circular pattern of road development, concentration of vehicles & vehicular emissions at a particular point would be lesser.
- DG sets with adequate stack height will be provided as per CPCB guidelines.

Noise Environment

- DG set will have inbuilt acoustic enclosure. DG set rooms shall also be made sound proof.
- Regular preventive maintenance of machinery.
- Provision of green areas and broad leaf tree plantation.
- Use of horn will be restricted.

Energy conservation measures

- CFL based lighting will be done in the common areas, landscape areas, signage, entry gates and boundary walls etc.
- Roof, walls & fenestration products shall comply either the maximum U-Factor or minimum Insulation R- Values.
- DG sets shall be on auto cut and auto start controlled mechanism.
- Variable Frequency Drives (VFD) have been proposed for the Pumps and Blowers.
- It is proposed to use Cellular Light Weight Concrete (CLC), which uses fly ash for manufacturing.
- All the roofs are proposed to be insulated to minimize heat gain with 50 mm expanded polystyrene or equivalent insulation.
- Efficient plumbing equipments will further help to reduce energy consumption.
- Norms of the Energy Conservation Building Code 2005 would be followed.

Capital cost for EMP

S.No.	Parameters	Cost (Rs.in lakh)
I.	Water pollution control	
	Sewage Treatment Plant	55
	Rain Water Harvesting System	10
	Total	65
II.	Solid waste management	
	Solid Waste Collection Bins Disposal system	07
III.	Green belt	02
	Grand total	74

Recurring cost of EMP execution:

Particulars	Approx. Annual Recurring Cost (Rs. in Lakhs)
STP	12.00
Solid Waste Management	6.00
Environmental Monitoring	2.00
Green Belt	1.00
Total	21.00

Fire safety measures

- Fire hydrants shall be provided all around the buildings.
- Walls enclosing lift shafts shall be fire resistant for 4 hour.
- Landing doors and lift car doors will be fire/ smoke resistant.

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- Electrical meter room shall be on the ground floor and it will be adequately ventilated. It will also have a fire resistant door.
- The lighting of the escape route will be on independent circuit with power backup.
- Fire fighting and fire alarm provided in the building.
- Nearest fire fighting station is at Mata Mandir, just 1.3 km away.

During Construction Phase:

- Fire Protection equipments like Sand Buckets and extinguishers will be installed at suitable place.

During Operation Phase:

- Static Tank (underground) and overhead tank for fire.
- Landing valves with hose reels within the complex.
- External hydrant all around the building & yard .
- Automatic sprinkle system provided in building (1 sprinkler/12 m)
- Pumping arrangement system- Riser system with pressure pump, auto operation with pressure switch.
- Staircases/lifts pressurization/ smoke extraction system.

Scrutiny of the papers submitted by the PP reveals that khasra no. has been quoted differently in different permissions. Hence, after deliberations committee has asked the proponent to submit the exact khasra no on which the project is proposed along with all the permissions duly corrected by the concerned authorities. Comments on the project shall be intimated only after receiving clarification on the above issue along with the supporting documents.

10. Case No. 817/2012 - Shri Vijay Singh, Partner, M/s Dwarkadheesh Haveli Builders, Dwarkadham, Karond-Gandhi Nagar By Pass Road, Badwai, Distt. - Bhopal (M.P.) – 462018 - *DWARKADHAM, Village - Badwai,Khasra No. 425/426/423, Village – Badwai, Tehsil – Huzur,, Distt. – Bhopal (M.P.)* ***Total Land Area – 21.943 Ha.(54 Acres), Total Built-up Area – 1,27,739.45 Sq.m.*** **Building Construction Project**
[Env. Consultant: Presented by the proponent]

It was observed that the land involved in the project is owned by several owners, thus the Project proponent was asked to submit an appropriate 'Joint Venture' clearly mentioning the responsibility of compliances of the terms & conditions of environmental clearance. The case was deferred till submission of the same.

11. Case No. 818/2012- Mr. Mahesh Manwani, Director, " Alpine Greenage" of M/s Himanshu Infrastructure Pvt. Ltd." A 2, IInd Floor, Above Metro Shoes, Ravishankar Market, Bhopal (M.P.) – 462016 **For – Building Construction-** *" Alpine Greenage" of M/s Himanshu Infrastructure Pvt. Ltd." Khasra No. 529 (Old No.- 47/1/2/1), 530 (Old No. 47/1/1) Village – Gehukheda, Tehsil – Huzur, Distt. – Bhopal (M.P.)* ***Total Land Area – 34,400.00 Sq.m. (3.44 Ha.), Total Built-up Area – 27334.22 Sq.m.***
[Env. Consultant: M/s In Situ Enviro Care, Bhopal (M.P.)]

It was observed that the land proposed for the project has not yet been transferred to the proponent.

(S.C. Jain) Chairman	(K.P. Nyati) Member SEAC	(V. Subramanian) Member SEAC
(V.R. Khare) Member SEAC	(A.P. Srivastava) Member SEAC	(Dr Mohini Saxena) Member SEAC

Hence committee decided to defer the case till submission of the land ownership documents.

12. Case No. 819/2012 M/s Khaitan Chemicals & Fertilizers Ltd., Nimrani, Teh. - Kasrawad, Distt. – Khargone (M.P.) *Expansion of SSP/GSSP Unit, Khaitan Chemicals & Fertilizers Ltd., Nimrani,The.- Kasrawad,Distt. – Khargone (M.P.) Praposed Capa. – 1200 MTPD GSSP – 2000 MTPD, (Existing – 1200 MTPD, GSSP – 160 MTPD.* **For - ToR**
[Env. Consultant: M/s Asian Consulting Engineers Pvt. Ltd. New Delhi (M.P.)]

This is a case pertaining to production of SSP / GSSP. The activity is covered under the provision of EIA Notification mentioned at SN of the schedule of the said notification and hence it requires prior EC before commencement of desired production. The case was forwarded by the SEIAA to SEAC for scoping so as to determine TOR to carry out EIA & prepare EMP. The salient features of the project were presented by the PP and his consultant before the committee. Deliberations and the submissions made by the proponent reveals following features of the project:
The industry is presently operating and proposes enhancement in production capacity. The details are as follows:

Sl. No.	Particular	Detail
3.	Location of the Unit	A.B.Road, Nimrani, Kasrawad, Khargone, Madhya Pradesh (Non-notified industrial area)
4.	Existing Capacity	SSP –1200 TPD GSSP- 160 TPD
5.	Proposed Capacity	SSP- 1200 TPD GSSP- 2000 TPD
6.	Total Area	2,35,300 m^2
7.	Estimated cost of the project	Approx. Rs. 90 cr.
8.	Permission from Ministry of Commerce and Industry	IEM No.477/SIA/IMO/2012 dt. 28.02.2012

Geographical setting of the project:

SN.	Particulars	Details
1.	Latitude and Longitude	22° 07’ 30.36” N and 75° 27’ 06.83”E
2.	Nearest city	Khargone, Indore
3.	Nearest villages	Nimrani, Chichali and Khalghat
4.	Nearest Railway station	Mhow – 55.00 km, Indore - 78.50 km
5.	Nearest Airport	Khargone – 38. Km, Indore - 79 km
6.	Hills/Valley	No

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7.	Ecological Sensitive Area	No
8.	Historical Place	Ahilya Fort Palace: 15. km
9.	Nearest water bodies	R. Narmada: 2.5 km, Satak dam reservoir:22 km, Segwal dam reservoir : 12 km
10.	Reserve Forest	No
11.	State or National boundaries	Maharashtra State
12	Tourist centre/ Pilgrimage centre	Omkareshwar 90 kms. / Maheshwar 25 kms.

Total Land Area Distribution

SN	Particulars	Details
1.	Total plant area	25,000 m^2
2	Utility building area Total Built up area	8,805 m^2 33,805 m2
3.	Road	10,000 m^2
4.	Area for future expansion and landscaping	1,91,495 m^2
	Total plot area	2,35,300 m^2

Brief of SSP/GSSP Manufacturing Process

(A) **SSP**

- Rock Phosphate is ground to the required fineness in the Grinding Mill. The Separate Hot Air Generator based on combustion of agro waste / FO / Steam Coal is used to supply hot air to the grinding mill if the moisture content of rock Phosphate is high.
- Ground Rock Phosphate is fed to mixer alongwith 98% Conc. Sulphuric Acid & Hydro Flouro Silicic Acid Liquor produced in the SSP Scrubber. The reaction takes place in the mixer / Den. The Green SSP is transferred to curing shed & the gases are sent to Scrubber.
- Green SSP is reshuffled in the curing shed by EOT Crane. On maturation of the reaction cured powder SSP is fed to produce powder / GSSP.

(B) GSSP

- Powder SSP is fed into the Bucket Elevator via GSSP feed hopper. This is further transfered to granulator drum where water is spread to form wet granules.
- Wet granules are then transferred to dryer drum, to remove excessive moisture by supplying hot air, which is generated by combustion of agro waste / FO / Steam Coal
- The dried granules are then sent to cooler drum for quenching to provide strength to granules and then to vibrating screens for proper particle size.
- Screening & bagging of cured GSSP is done.

Raw Material Requirement

Sl. No.	Name	Quantity
1.	Rock Phosphate	18833 T/month
2.	Sulphuric Acid	12166 T/month

Water Consumption

Plant	Requirement	Source
SSP	0.25 T / T SSP	KCFL has obtained permission from the District Collector, Khargone (M.P.) to draw water from the Narmada River.
GSSP	0.05 T / T GSSP	
Domestic	25 TPD	

After deliberations committee has approved the TOR with inclusion of following points to be addressed in the EIA / EMP:

1. Report from MoEF for Compliance of the conditions of existing EC if any has to be furnished with EIA report.
2. Report from MPPCB for Compliance of the terms & conditions of existing Air / Water consents and Authorizations issued under HW rules has to be furnished with EIA report.
3. As the unit is located in a Non notified industrial area Public Hearing shall be conducted as per the provisions of EIA Notification.
4. Uranium shall analysed in raw material (rock phosphate) and to be reported.
5. Permission from the concerned authority has to be furnished for lifiting water from River Narbada

13. Case No. 820/2012 - M/s Naman Equipments & Construction (India) Pvt. Ltd. , 115 Diamond Trade Centre, Diamond Colony, Indore (M.P.) *" Nariman Point" of* **M/s Naman Equipments & Equipments & Construction (India) Pvt. Ltd.** *Khasra No. 101/2/1/1, 104/1, 104/2, 107/1, 107/2, 107/3, 107/4, 108/2, 119/2,117, 118/1, 118/2, 113, 114, 115, 121/1, 123/2/1, 101/1, 115/1, 97, 98, 101/2/2, 106, 119/1, 108/1, 120. Village – Pipliya, Tehsil& Distt.- Indore (M.P.)* ***Total Land Area – 18,890.00 Sq.m., Total Built-up Area – 25,132.62 Sq.m*** **Building Construction**

[Env. Consultant: M/s In situ Enviro care, Bhopal (M.P.).

This is a building construction project proposed in a plot area of 18.89 hectare with total built-up area of 25,132.62 Sq.mt. The project requires prior EC under the provisions of EIA Notification 2006 & its amendments as it is mentioned at S.N. 8 (a) of the schedule of the said notification. The case was forwarded by the SEIAA to SEAC for appraisal. The presentation and the submissions made by the PP and his consultant revealed following features of the project:

Railway: Indore Railway Station is about 8.5 km away from the site.
Road: Nearest Highway is NH-3 at a Arial distance of1. 2 Km away from the site.
Airport: Devi Ahillyabai Holkar Airport is approx. 16km away from the site.
Nearest Fire Station: Nearest fire station is 9.0 Km away from the site.

Area Statement:

Total land area	= 18890.00 sq.mt (1.889 hect)
Area under road widening	= 600.00 sq.mt
Net land area = 18890-600	= 18290.00 sq.mt
Green area	=1,829 sq.mt (10.0 %).
Proposed extra green area	= 2011.9 sq.mt(11 %)
Ground coverage	= 5487.00 sq.mt (30%)

Permisible f.a.r = 25337 sq.mt
Proposed b/up area = 25132.62 sq.mt
M.O.S. & circulation = 8962.10 sq.mt (49 %)

Salient feature of the project

Total Area Of The Plot	: 18890.00 SQ. MT (1.889 HECT)
Proposed Built –Up Area	: 25132.62 sq.m.
Land Use	: Residential & Commercial
Total No. Of Units	: 684 flats (3 BHK: 252 nos., 2 BHK: 264 nos., 1BHK: 132 nos., EWS: 36 nos. Commercial Shop: 5 nos. and a Club house.
Total Number of Blocks	: 8
Maximum height of the building	:18 M (P+6)
Total Water Demand	: 548 KLD
STP Capacity	: 381 KLD for Residential
Solid Waste Generation	: 1.752 TPD
Power Demand	: 1.787 MW (1787.6 KW.)
Back Up Source	: 137 KW, 1 x 171.2 KVA

Water requirement & balance:

S. No.	Item Description	Number of Persons / Seats	Water Requirement / head (litres)	Total water Requirement (litres)
A	***Fresh Water Requirement***			
1	For Apartments/Flats	2844	90	255960
2	For EWS	144	90	12960
3	Shops	15	20	300
4	Maintenance Staff	30	20	600
5	For Club	2844	5	14220
				284040
6	Misc. – Water features / Swimming Pool, Back wash.			75000
	Sub Total of A			***359040***
B	***Flushing Water***			
1	For Apartments/Flats	2844	45	127980
2	For EWS	144	45	6480
2	Shops	15	25	375
4	Maintenance Staff	30	25	750
5	For Club	2844	10	28440
	Sub Total of B			***164025***
C	***Treated Effluent Water Requirement – Misc. Uses***			
1	Landscaping			9145

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2	Miscellaneous uses			15000
	Sub Total of C			***24145***
	Total water requirement (A+B+C)			***547210 Say 548 KLD***

Waste water management

S. No.	Item Description	Total water Requirement (litres)	Percentage of water to STP @ 85 %	Total water Requirement (litres)
A	***Domestic water***			
1	For Apartments/Flats	255960	0.85	217566
2	For EWS	12960	0.85	11016
3	Shops	300	0.85	255
4	Maintenance Staff	600	0.85	510
5	For Club	14220	0.85	12087
	Sub Total of A			***241434***
B	***Flushing Water***			
1	For Apartments	127980	0.85	108783
2	For EWS	6480	0.85	5508
3	Shops	375	0.85	318.75
4	Maintenance Staff	750	0.85	637.5
5	For Club	28440	0.85	24174
	Sub Total of B			***139421.25***
	Total Waste Water (A+B)			***380855.25***

Details of proposed STP:

- Source of water : Sewage
- Treatment Concept : MBBR (Moving Bed Bio Reactor)
- Treatment objective: To use the water for safe disposal or to use the water in auxiliary purposes like flushing, gardening etc.
- Capacity : 381 KLD
- Operation: 20 Hrs.

The proposed STP consists of - Primary Treatment, Secondary Treatment and Tertiary Treatment. The treated sewage from STP will be used for gardening and flushing.

Solid Waste Generation / Management

Facilities Provided	Waste Generation Norms		Basis of Assumption	Unit		Total Waste Generated (TPD)
Residential	0.38	Kg/capita/day	CPCB	@ 2780	Persons	Approx. 1.560
Commercial Areas	0.38	Kg/Capita/day	CPCB	15	Persons	Approx. 0.098
Garden &	0.003	Kg/Sq m/day	Discussion with	1829	Sq.m	0.005

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Open Space			Horticulturist			
STP Sludge	250	Kg/MLD of wastewater treated	Manual for Sewerage and sewage treatment by CPHEEO	0.358	MLD	0.089
Waste Oil	100	Liters/MW/ year	Assuming one maintenance per year	1.787	MW	178.7 Liters
Total Waste Generated (TPD) = 1.752 TPD Total Biodegradable 55 % = 0.964 TPD Total Non biodegradable 45 % = 0.788 TPD						

- Total solid waste generated will be around 1. 752 TPD
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
- 100% Door to Door Collection system will be done by the maintenance staff.
- Hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
- Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
- The MSW collection centre will be at the back gate of the campus where three covered bins of green white and black color will be placed for collection from the campus and for final transportation for disposal.

Description of fire tender movement

- The entire building shall be provide with a centralized fire suppression system comprising over head water storage tanks, dedicated fire pumps on terrace, hose reels, wet riser, yard hydrants and sprinkler system as per National Building code**.** Each Floor will have fire hydrant station and each lobby shall be provided with one set extinguisher. In the proposed project automatic fire detection And Alarm system shall be provided. An independent fire hydrant ring main is proposed to run around the buildings. Our Water requirement for fire system is approx. 50 KLD for proposed project. Fire fighting map is given below.

Electricity consumption/back up source

- Power would be drawn from MPEB. The total maximum demand would be 1787.6 KW. Backup Source 137 KW, 1 D.G set of 171.2 KVA and HSD fuel will be used for the DG Set.

Environmental management plan

Water:

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 sets.

Air:

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
- 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 as per IMC remarks.
- Minimizing Water Consumption
- Use dual flush system, Auto flushing sensors for urinals
- Efficient Plumbing Fixtures

Cost of environmental management plan

Description	Capital cost (lakhs)	Running cost (lakhs/year)
Air		
Construction Phase	0.7	1.1
Operation Phase	0.5	0.2
Noise		
Construction Phase	0.7	0.05
Operation Phase	0.5	0.15
Water and Land		
Construction Phase	4.0	0.5
Operation Phase		
Sewage Treatment Plant	34	18
Rainwater Harvesting & Storm water Management	20.0	4.0
Solid Waste Management	4	0.8
Energy		
Lighting	10	1.0
Biological		
Landscaping	2.5	1.0
Total	Rs. 76.9 Lakhs	Rs. 26.8 Lakhs / Year

After deliberations PP was asked to submit response to the following queries raised by the committee:

1. A letter from TNCP & Municipal Corporation to be furnished stating that the permissions issued by these departments have been transferred in name of the present proponent of the project.

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2. An affidavit has to be provided stating that all rights have been transferred to M/s Naman Equipments & Construction (India) Pvt. Ltd
3. Memorandum of Article as Registered Private Company to be furnished.
4. Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.
5. Ground water recharging has been proposed in the project; in this context figures and calculations for net recharge / net drop-down to be furnished based on the hydro-geology of the region.
6. Car parking space has to be re-calculated comparing the norms of CPCB and State authority.
7. Water supply from ground as well as from Municipal Corporation has been opted in the project; in this context PP is required to submit permission from CGWA as well as from Indore Municipal Corporation along with the time line for completion of Narbada water scheme.
8. Locations of STP, MSW storage area and bins have to be relocated such that the transfer of wastes can be facilitated with minimum disturbance to the residents of the township.
9. Provision for play ground has to be explored and furnished.
10. Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.

14. 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* ToR issued vide letter no. 993 dt. 09/11/09 . **For –EIA Presentation.**

[Env. Consultant: M/s Creative Enviro Services, Bhopal (M.P.)]

This is a mining project pertaining to mining of white clay, ochre and laterite in an area of 26.210 Hectare with production capacity to the tune of 1800 TPA. The case was submitted to SEIAA for grant of prior EC. The TOR to carry out EIA / EMP was issued by SEAC vide letter no. 993 dated 09/11/2009. EIA report was forwarded by SEIAA to SEAC for appraisal. In the meeting the report was presented by the proponent and his consultant before the committee. The deliberations and submissions made by the PP reveals following:

Back ground of project

Production Capacity	1800 MT per Annum
Jurisdiction of Mine	Private Land & Govt. Waste Land
Lease period	10.10.2008 to 09.10.2038
Public Hearing	25.02.2011
Location of Mine	Village- Sathni, Tehsil- Beohari, Dist.- Shahdol (MP)
Lessees	M/s Budhwa Minerals, Budhwa, Dist. Shahdol (MP)
Altitude	324-316m AMSL

Lease has been granted vide letter no. 3-39/2007/12/1 dated 25/05/2008. P-II FORM has also been issued. Forest NOC has been granted vide letter no. 5845 dated 08/08/2003.

Geographical settings of the Project:

Geological Location	Latitude – 24°12'46" to 24°13'03" N Longitude- 81°28'06" to 81°28'22" E
Nearest City	Beohari - 29 km
Nearest Railway Station	Beohari - 29 Km
Nearest Highway	None within 10km Radius
Nearest Village	Sathni (Main) - NE - 1.25Km
Hills/Valley	None within 10km radius
Ecological Sensitive Zone	None with in 10km radius
Reserve Forest	Gara RF - S - 1.25km Ghonghi RF - SE - 2.25km Magordhaha RF - S - 0.5km Janakpur RF - NNW - 2.5km
River/nalla	Son River - N - 5.0km Banas River - E - 2.0km Busi Nadi - W -3.75km Mahan Nadi - NE -5.5km Local Pond - SSE -0.75km Local Pond - SW - 3.75km

Micro level feature with in 2 km radius

Particular	Detail
Janakpur	Distance 1.3km, Direction – N, House Hold – 192, Population- 1055
Sathni	Distance 1.25km, Direction – NE, House Hold – 254, Population- 1270
Surface water	Local Pond-SSE -0.75km
Mines	02

No Educational facility, Medical facility and Drinking water facility is available in the villages.

Socio-economic activities (proposed)

S. No	issues	Approx Cost
1	Medical Checkup for villagers	Rs. 50,000/- per year by each owner
2	Drinking water Facility through hand pump in Sathni, Dhari, Janakpur, Magardaha and Chauri	Rs. 25000/- for each village
3	Infrastructure facilities to schools at Sathni and Dhari in terms of books, chairs, computers, scholerships etc	Rs. 50,000 for each school every year
4	Fund Allocation for activities as proposed by Gram Panchayat	Rs. 1,00,000/- per year by each owner

Salient features of the project

Nature of Mining	Open Cast Manual Mine
Mineable area	26.210 Ha

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Mineable Reserve	676553 MT
Proposed Production capacity	1800 TPA
Life of Mine	376 year
Present Depth of Mining	5 m
Ultimate depth of Mining	Upto 318.5 AMSL
Ground Water Table	3m bgl (313 AMSL)- Post Monsoon 10m bgl (306 AMSL) - Pre-Monsoon
Use of mineral	Cement, Paint & Refractory Industry
Altitude	324-316m AMSL

Conceptual plan

Items	Existing	At the end of lease period
Total lease area	**26.210 Ha**	
Total Mineable area	26.210 Ha	
Ultimate depth of mining	5m	upto 318.5 AMSL
Ultimate pit slope	45 degree	45 degree
Area under dumps	0.011 Ha	1.12 Ha
Area under pits	0.0594 Ha	2.8 Ha
Area to be reclaimed	Nil	Nil
Infrastructure & Road	0.0043 Ha	0.03 Ha
Mineral storage	Nil	Nil
Plantation	0.01 Ha	9.0 Ha
Water reservoir	0.05 Ha	2.5 Ha

Opencast Mining Method

- Presently excavated area is 0.0594ha.
- There are three quarries in the ML area. The present depth of excavated pit is varies from 1m to 5m.
- Proposed mining of ochre and white clay will be carried out in the area of block-B and mining of laterite will be carried out from the area of block-A.
- The stripping ratio will be 1:0.35 for white clay and ochre
- During the lease period about 2.8 Ha area will be excavated upto 318.5 AMSL whereas surface AMSL is 316m.
- Out of 2.8 Ha excavated area, 2.50 Ha area will utilized for water harvesting

Water consumption & waste water generation

Water Consumption (Avg.)	Dust Suppression – 4 Kl per day from mine pit water Domestic activity – 2.0 Kl per day from well & proposed hand pump Green Belt - 1.0 Kl per day from mine pit water
Waste Water Generation	1.4kl/day. Only from domestic section, taken care by Soakpit/ septic tank arrangement

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Presently Water reservoir capacity	0.05ha * 4m = 2000m^3
Ultimate water reservoir capacity	2.5ha *5m = 125000m^3

Public hearing

Public hearing was conducted on 25.02.2011 from 11.00 am at Govt. Primary School, Rejuha Village- Sathni Dist Shahdol (MP). Total 50 people have attended the public hearing and about 29 persons have given suggestion/ observation in writing during the public hearing. No measure issue / objections were observed in the public hearing. To most of the suggestions PP has given his consent.

Environment Management Plan:

Air pollution control measures

Following air pollution control measures will be taken to minimize negative impact due to mining activity.

- Water sprinkling on haul road & Village road will be done at frequent intervals during the playing of dumpers
- Plantation along the mining lease boundary and haul roads shall be carried out to reduce the spread of dust.
- All over burden dumps shall be stabilized with legumes and grass to prevent the erosion of soil and arrest the dust emission during windy days.
- Mineral carrying trucks will be effectively covered by tarpaulin to avoid escape of fines to the atmosphere
- No drilling and blasting will be proposed.
- Thick plantation will be carried out the both side of road

Noise pollution control measures

- Earmuffs/ear plugs etc. Will be provided for Workers
- All moving & non-moving parts of machine will be properly lubricated;
- All the basic equipments and various machineries will be kept well maintained.

Water pollution control measures

•To reduce suspended solids, coming to mine pits, garland drains shall be provided at around the pit and around the dumps also. All garland drain of block A will be connected to Settling tank A and Garland drain of Block B will be connected to Settling tank B and water of settling tank will be used for dust suppression and agricultural purpose

•Settling tanks (90m*20*3m for block A and 90m*40*3m for block B) are proposed in eastern part of the area.

•During lease period 2.5 ha area will be converted as a water reservoir

•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 also 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.

Solid waste management

1. During the prospecting period about 500cum lateritic soil and murrum waste has been generated and same has been stacked as dump.
2. Presently 0.011ha area has been covered under dumps.
3. The nature of soil is lateritic and the OB & mine waste generated in the form of murrum.

4. During the proposed mining of laterite, about 1650m^3 mine waste in the form of murrum will be generated and during the proposed mining of ochre about 2093m^3 mine waste is likely to be generated. Thus during the proposed mining total 3743m^3 mine waste will be generated.
5. Mine waste will be used for maintenance of mine road and approach road.
6. During the 6th year to lease period about 7000m^3 lateritic soil and 23195m^3 mine waste will be generated and same will be dumped in northern part of the area at barrier zone of the lease area
7. During the lease period about 1.12ha area will be covered under dumps. Those dumps will be stabilized with legume and grasses
8. Reclamation and rehabilitation is not proposed during lease period.
9. About 2.5ha 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.

Reclamation plan

1. Reclamation and rehabilitation is not proposed during lease period
2. About 2.5ha 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.

Afforestation plan

Proposed plantation plan										
Year	**Un-worked area**		**Outside dumps (backfill area)**		**Inside Dumps**		**Top soil dumps**		**Total**	
	Area (Ha)	**Tree**	**Area (Ha)**	**Tree**	**Area (Ha)**	**Tree**	**Area (Ha)**	**Trees**	**Area (Ha)**	**No. of Trees**
Present	0.01	15	-	-	-	-	-	-	0.01	15
1st to 5th	1.0	1500	-	-	-	-	-	-	1.0	1500
6th to lease period	7.99	11985	-	-	-	-	-	-	7.99	11985
Total	**9.0**	**13500**	**-**	**-**	**-**	**-**	**-**	**-**	**9.0**	**13500**

After deliberations committee found that the EIA/EMP, DMP and other submissions made by the proponent are satisfactory and acceptable hence it was decided to recommend the case for grant of prior EC subject to the following special conditions:

1. The mined out material shall be transported in a covered vehicles only.
2. The proposed water body about 2.5ha shall be developed aesthetically with fencing and other appropriate safety measures.
3. Garland drains shall be provided around the pit and around the dumps also. All garland drains will be connected to Settling tanks and the water of settling tank will be used for dust suppression and agricultural purpose
4. Only Open Cast Manual Mine shall be done.
5. At the end of sixth year 9.0 hectare of mined out area shall be covered under plantation with at least 14000 trees.

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Member SEAC

Discussion on query response submitted by PP and other discussions SEAC meeting dated 28th September 2012

1. **Case No. 636/2011** **(104th SEIAA Meeting dt. 04/09/12 - SEIAA letter no. 1026 dt. 17/09/12) Sh**. Pradeep K. Mittal,Partner M/s Pacific Exports, 11-12, Dunn Market Jabalpur Road, Bargawan, Distt. - Katni (M.P.) – 483501 Jhilti Iron ore, laterite Mine at Village - Jhilti, Tehsil-Sihora Distt- Jabalpur (M.P) Area- 27.05 Ha Cap- 2.7 Million Tonne per annum Tonnes/Year

The case was discussed in detail in the 97th meeting of SEAC and was recommended for grant of prior EC subject to special conditions in the 99th meeting of SEAC. SEIAA has returned the case for reconsideration in view of the MoEF's report on compliances of the conditions of earlier EC. The copy compliance report submitted by the PP to SEAC has already been appraised in the said meetings of SEAC. However as validation report of the same was received at SEAC office only after the meeting it could not be placed before the committee. Taking cognizance of the SEIAA comments the MoEF's report was placed before the committee and after scrutiny of the same it was observed that during the visit of MoEF official PP has submitted that the mine under subject was operative only from October 2011 and was closed till June 2012 due to several legal issues, nevertheless, PP has emphasized that environmental safeguards were carried out inspite of the fact that mine is in Ist first year of operation. Further it has been mentioned in the report that the monitoring mechanism of various parameters as stipulated in the consent letter of MPPCB was found weak this can be attributed to the fact the mine remained closed till June 2012. PP has assured the MoEF that sincere efforts shall be put into the various aspects of the EC such as community development, fugitive dust control, use of solar energy use, rain water harvesting, submission of half-yearly compliance report etc. Based on the compliances validated by the MoEF and the commitments of PP the case may be considered for grant of prior EC subject to the terms and conditions stated earlier with additional conditions as suggested in the MoEF's report.

2. **Case No. 681/2012** **(101stSEIAA Meeting Dt. 27/07/12) SEIAA Letter No. 768 Dt. 07/08/12)- 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.*

The case was discussed in detail in the 95th meeting of SEAC followed by query response discussion in the 97th SEAC meeting and forwarded to SEIAA with recommendation for grant of prior EC. SEIAA has returned the case to SEAC for reconsideration in view of the construction already done by the PP at site. Taking cognizance of the comments of SEIAA, SEAC asked the MPPCB to inspect the site and submit the factual report to SEAC. Inspection carried by the Regional Officer MPPCB Gwalior, was submitted and placed before the committee in this meeting. After scrutiny of the report it was observed that the PP has initiated the construction activity before

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obtaining prior EC and on date of inspection about 30-35% of construction was already in place, however, it has been reported that the construction has been stopped this has been verified by the local residents of the area, presently no activity pertaining to construction is in process at site. Thus it can be concluded that around 16000 sqmt of construction has been done at site as on date. As the site has been found to be environmentally suitable and the EMP submitted by the PP is also acceptable the case may be considered for grant of prior EC subject to the special conditions proposed with earlier recommendation.

3. **Case No. 517/2009 Shri Manwendra Singh, Vill. & P O Ghuraiya, Tehsil – Tehraoli, Distt-Jhansi - (U.P.)** *Silpatpura Granite quarry lease area 6.75 ha. at village Silpatpura, Teh-Laundi, Distt-Chhatarpur-M.P.*(queries from 98th SEAC meeting dated 23/07/2012) –

After deliberations made before the committee in the 98th meeting dated 23/07/2012 committee has asked the PP for submission of response to the following queries along with the supporting documents:

- NOC from local authority for obtaining water from the village sources to be submitted.
- NOC from the competent authority for opening hand pump at site & village to be obtained and submitted.
- Summary of EMP incorporating the points suggested by the committee to be submitted.
- Exact distance of village Silpatpura has to be submitted along with the GPS co-ordinates.
- As mining site is located on higher elevation with respect to the village Silpatpura, extra efforts planned by the PP to protect the habitation (village- Silpatpura) from the possible impacts of the mining activities/transportation have to be detailed out and submitted.
- Details of retaining wall proposed for storing mine waste in the western side has to be submitted.
- Details of settling tank with dimensions and connectivity with garland drain to be submitted.
- Justification for the shown water consumption (esp. green belt) to be submitted.
- Details of Corporate Environmental Responsibility as per the MoEF O.M. dated 19/05/2011 and 18/05/2012 to be submitted along with the budgetary provisions.

PP has submitted query response with supporting documents which were placed before the committee in this meeting. Scrutiny of the reply submitted by the PP reveals that –

Water from project shall taken up from the existing pits within MLA hence water from village shall not be required for the project. Exact distance of village Silpatpura has been reported as 530 meters along with the GPS co-ordinates. EMP and preventive measures for control of possible air / water pollution have been submitted by the PP. Networking of garland drains with the settling tank has been explained by the PP. details of Corporate Env. Policy has been submitted by the PP.

The EMP and other submissions made by the PP are satisfactory and appear to be acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Garland drain around the proposed dumps and pit, shall be diverted at quarry number -1, which is 49X 33-48 X 4 m and will be act as water retaining structure as well as settling tank.

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2. Quality of water of settling tank will be checked during pre-monsoon and post- monsoon periods and shall be submitted to the regulatory authority.
3. The maximum height of the dump shall be 10m and area under dump shall not exceed 1.0 ha with in the MLA towards northern direction.
4. Deepening of the village pond will be carried out by the proponent.
5. Cutting tools for granite shall be used with the spray of water to reduce the dust emission.

4. Case No. 613/2010 M/s Ultratech Cement Ltd.

The case was forwarded by SEAC to SEIAA with recommendation for grant of prior EC. SEIAA has asked the SEAC to appraise the MoEF certified compliance report and send the views in accordance to Para 2 of the of the MoEF, GoI OM no. J-11011/618/2010-IA-II(I) dated 30/05/2012. The compliance report as submitted by the PP has to be certified by the MoEF as enhancement in capacity has been proposed in this project.

In this context, PP has submitted a copy of compliance report pertaining to conditions of earlier EC issued in name of M/s Alcon Laboratories & Industries. Taking cognizance of the comments of SEIAA, Committee is of the views that now as mine lease has been transferred from M/s Alcon Laboratories & Industries to M/s Ultratech Cement Ltd all liabilities linked with the said lease have to be borne by the current lessee. Thus committee decided to ask the PP to submit the compliance report duly validated and commented upon by MoEF.

Meeting ended with thanks to the Chair and the Members.

(S.C. Jain) **Chairman**	**(K.P. Nyati)** **Member SEAC**	**(V. Subramanian)** **Member SEAC**
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