The meeting conducted on 5th December 2012 was presided over by Shri S.C. Jain. Following members attended the meeting-

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

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

A. Confirmation of date for next meetings (112th & 113th meetings) of SEAC – In view of large number of projects pertaining to mining in MLA less than 5 hectare, committee decided to call the next meetings on 17th and 18th of December 2012. It was decided by the committee to consider the cases of mining projects with MLA less than 5 hectare on priority basis in these meetings.

B. Consideration of the Projects

Following projects were taken up for discussion:

1. **Case no. 665/2012 - Chief Executive Officer, N.C.R. Special Area Development Authority (Counter Magnet) 12, City Centre, Gwalior (M.P.) EIA For –Building Construction. -** *SADA Township of 805 ha. at Village - Sojna, Tighra, Kaitha, Kulaith,Tehsil – Gwalior, Distt. – Gwalior (M.P.)*

Env. Consultant – ENV Development Assistance Systems (India) Pvt. Ltd. Lucknow (U.P.)

ToR issued vide letter no. 169 dt. 18/04/12.

The City of Gwalior in Madhya Pradesh was designated as Counter magnet city in the National Capital Region (NCR) plan – 1989. The counter magnet project, is being implemented by the Government of Madhya Pradesh through constitution of a Special Area Development Authority (SADA).

The jurisdiction of SADA covers an area of 30,000 hectares of which 6,500 hectare is Government property; app. 9,000 hectare is privately owned; and over 14,500 hectare is reserve forest. This SADA area is hereafter referred to a Gwalior West because of its location of the western side of the City of Gwalior. The Divisional Commissioner is the Chairman of the Authority, which has a core staff under a full time Chief Executive Officer (CEO). The present project consist development of only 805 Ha.

The project was presented before the committee in the 88th meeting dated 13th February 2012 for scoping. PP was issued TOR by the SEAC to carry out EIA. EIA report was submitted by the PP to SEIAA which has been forwarded to SEAC for appraisal. The presentation and submissions made by the PP and his consultant reveals following features:

The existing approach road to the counter magnet city is from Gupteshwar, Moti Jheel, Purani Chhawani and Rairu. All main Arterial roads (60 m right of way), which have already been constructed in scheme areas and is well, connected with Agra-Bombay Road (NH-3). The existing approach roads from Agra- Bombay Road has been kept 60.00

m. wide.12.50 Km long Tighra Road is a 4 lane main Road connecting old city & Counter Magnet City.

SADA is developing 805 hectare in Phase-I. The proposed area is divided mainly into residential with convenient shopping centers/ commercial area, public utility/semipublic offices and educational/ Institutional area.

The area break-up as per the lay out submitted by the PP is as follows:

Type	Land Use	Area in Ha
SADA	Residential	260
Mantri City	Residential	151
Sahara City	Residential	108
Scheme No. 2	Residential	9
Scheme No. 3	Residential	114
Public/ Semi Public Offices	Public/ Semi Public Offices	54
Commercial Complex	Commercial	7
Educational/Institutional	Educational/Institutional	102
Total		**805**

Site and Surrounding

East: Jebra Village at a distance of approx1 km and Gwalior City at a distance of 5 km from proposed site.

West: "Tighra Dam" that supplies water to the Gwalior city and SADA. The reservoir is also a prominent recreational place for the city residents. Sank river flowing toward north is also located west of proposed site.

North: Some agricultural field and open land.

South: Gwalior–Tighra road forms the southern boundary of the site. Gatigaon Bird Sanctuary is located beyond the southern of the site.

Reserve Forest: There are no. of Reserved Forest within study area of 10 km. Thar Reserve Forest (RF-19 & part of RF-20) lies within 805 ha area. This patch is Non–continues degraded forest and is primarily a hillock that falls under jurisdiction of state forest department.

Other salient features of the site are as follows:

Items	Details
Total Scheme area	805 ha
Community Green (Not counted in Scheme area)	324 ha
Estimated Population	2,12,975
Water Requirement Source of Water Supply	Fresh water: 20 MLD Recycled water: 18 MLD Total water requirement:38 MLD Source: Tighra Reservoir
Total sewage generated	24 MLD
STP Capacity	30 MLD (20% higher capacity for future use)
Process of STP	Initially, Waste Stabilizing Pond (WSP) then upgraded to Activated sludge process with fine bubble diffused aeration system.
Total Solid Waste generated	101 Tones/day

Parking facilities	Type of Parking : Open No. of ECS provided : As per MoEF/State requirement
Power requirement & source	86 MW from MP state Electricity Board
Power Backup	Through DG Sets for backup as per requirement

Hydrology and drainage of the site:

- The SADA area is predominantly drained by the river Sank which runs from south to north.
- The Suvernarekha River flows mostly towards north and northwest.
- There are four major drainage basins to receive the surface runoff upstream of the Tighra Dam.
- There are several ponds and agricultural tanks which are formed by construction of dams on the drainage channels.
- The area is not vulnerable to floods.

Tighra Water Reservoir

- The Tighra Fresh Water reservoir is surrounded by hills from three sides. It is large sized reservoir with a water spread area of 2112 hectares.
- The reservoir is rain fed during monsoon period.
- The total catchments area of the Reservoir is 160 sq.km with an average annual rainfall of 600 mm. Tighra dam has a capacity of 4310 mcft. However dam currently has about 600 mcft water.

Source of Water Supply to the township:

- Tighra reservoir is main source of water supply (after treatment) and will be augmented from Sank River by providing Check Dam.
- 3 nos. of Check Dams. Out of which 3 Check Dams, 2 no. has already been constructed over Sank River.
- An agreement has been signed with department of Water Resources of State Govt. for supply of water from reservoir.
- Water Treatment Plant of 20 MLD has already been constructed .
- An estimated 18 MLD treated effluent from the STP shall be recycled and reused within the proposed project for the purpose of DG set cooling, flushing, road washing, horticulture and other low end uses.
- Dual plumbing with different color pipes is proposed.
- Two overhead tanks of 3,950 and 3,100 KL capacity have been constructed to cater the water requirements of the sectors A1, A2 and C.

Solid Waste Generation from the Project:

Type	Land Use	Area in Ha	Gross Residential Density Persons/Ha	Total Population	0.5 kg /capita /day	Kg/day
SADA	Residential	260	300	78000	0.5	39000
Mantri City	Residential	151	300	45300	0.5	22650
Sahara City	Residential	108	300	32400	0.5	16200

Scheme No. 2	Residential	9	300	2700	0.5	1350
Scheme No. 3	Residential	114	300	34200	0.5	17100
Public/ Semi Public Offices		54	125	6750	0.25	1687.5
Commercial Complex		7	125	875	0.25	218.75
Educational/Institutional		102	125	12750	0.25	3187.5
Total				2,12,975		101394

Total Anticipated Solid Waste generated from entire township will be:

- Total Municipal Solid Waste – 101 MT/Day (@ 0.5 Kg/capita/day
- Horticulture Waste – 9 MT/Day (@ 15 Kg/Acres/day)
- STP Sludge – 3 MT/Day (@ 0.35 Kg SS/Kg BOD removed)
- e - waste - 88 Kg/Day (@ 0.15 kg/capita/year)

Segregation at Source: The residents of the Township will be encouraged and advised to segregate waste into the biodegradable (organic) and non-biodegradable (inorganic) waste in separate bags.

Door to Door Collections System: Waste shall be transported from each door to the Waste Collection depots/bins provided in each Sector.

Transportation up to Final Disposal Site: Transportation by tipper up to final disposal site shall be ensured day-to-day by the agency hired by SADA for the same.

Treatment & Disposal: Biodegradable wastes will be subject to Bio-composting/Vermi- composting and Recyclable waste will be sorted and handover to recyclers (paper, plastic & glass etc). Inert waste will subject to landfill or reutilized into brick paving block.

Municipal Solid Waste landfill site near Thar village has already been selected and is in the final stage of finalization.

- Hazardous wastes will be stored and will be given to authorized vendor & and disposed as per Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008.
- E-waste will be collected and stored in the premises only and will be disposed in accordance with the E-waste guidelines dated March 2011.
- The Bio-medical wastes shall be collected separately and handed over to authorized vendor.

Check Dam

- Total 3 nos. of Check Dams. Out of 3 Check Dams, 2 no. has already been constructed over Sank River.
- Availability of water through stop dam-90000 cum, 121500 cum and 1963500 cum (2.17M.cum) respectively.

Electrical Demand Requirement

The total electrical load demand of the entire project is 86 MW. The Installation and commissioning of 132/33KV and 33/11 KV is completed to fulfill the power supply needs of whole scheme.

132/33KV substation- A 132/33 KVA substation is constructed to supply uninterrupted electricity to Counter Magnet Area.

33/11 KVA substation- It is constructed to meet the demand of residential, Institutional, Commercial, PSP area 33 KV. Line length 9.00 Km and 11 KV line length 750 Km is laid. Two transformer each having capacity 315 MVA is installed in substation

Source of Power Supply

The power shall be made available from the MP state Electricity Board. Considering the requirement of total power, it is presumed that the power shall be made available at desired level.

It is proposed to install Backup DG Sets at different locations near sub-station for emergency electric supply.

Plantation & landscaping

- 596.5 acres area i.e. 30% of total area is under Green.

- All arterial roads (60 m ROW) with 10 m wide central verge & 3 m buffer comprising a green strip
- Sub Arterial Roads (45 m ROW) with a 7 m median & 3m buffer comprising a green strip
- No. of Trees required -Approx. 54,000 (@ 1 Tree/100 sqm of Open & Green area)
- Two community green areas (236 ha & 88 ha) are existing within the township which is over and above 805 ha
- 3 community park areas viz. 50 ha area between A1 & A3, 15 ha – Pitra Upavan and 7 ha – Smirit Upavan are existing with township area.
- The overall green belt will be of mixed range approximately 50% as lawn, community parks & nurseries, 25 % shrubs and 25 % Tree species.
- 30,000 plants have already been planted and more are being planted within premises.
- Healthy and established sapling having 1m height shall be selected for planting in greenbelt to avoid mortality
- Pit measurements of 0.6 m x 0.6 m x 0.6 m are to be dug up at desired point in triangular pattern.

Selection of Plant species

Fast growing variety, perennial and evergreen with thick canopy cover, large leaf area index (LAI) and a high pollution attenuation factor (PAF) for effective dry deposition of particles and fibers.

Environmentally sensitive areas

There are many Reserve Forests in and around the proposed SADA area which are spread over 10 kms in and around the site.

- Reserve Forest: Thar, Kulaith, Raipur, Ochpur, Jinsi & Ajepur RF. Only RF included in the township area is RF 19 and some part of RF 20.
- River/Reservoir/Drain: Tighra canal, Tighra Reservoir & Sank River
- Nearest Settlements: Bitholi, Rampura & Odhpura
- Ghatigaon Bird Sanctuary (GBS)/Sonchiraiya Bird Sanctuary is situated near South of the project site. It is being managed for rehabilitation of Great Indian Bustard, one of the most endangered bird species in Indian subcontinent.
- The principal fauna are the Great Indian Bustards (Only one/two reported past 1 decade), Black Buck, Chitah, Monkey, Wolf, Blue bull, Wild Bear, Fox, Hyena etc and many species of birds are found here. The principal Flora are Khair, Murjan, Palash, Seja, Dhawada, Royenja, Ghota, Beweg, Dhaman, Salai, Heans, Kalti etc.
- Dhuan Hanuman Temple and Dev care are the religious places in the protected area.

Environmental management plan

Soil: Construction Phase	
Impacts	**Mitigation Measures**
❖Excavated Earth material construction phase will be re-used for road construction and landscaping. ❖Loss of topsoil, erosion due to cleaning and grubbing, felling of trees. ❖Compaction of soil due to movement of heavy machineries and equipments.	❖Cleaning and grubbing shall be done in planned manner as construction progresses and will be limited to areas where construction is proposed. ❖Top soil will be stripped to specified depth not exceeding 150 mm and stored in stockpiles not exceeding 2m height. Top soil shall not be unnecessarily trafficked either before stripping or when in stockpile. ❖The construction machinery and equipments will move only on designated routes to avoid compaction of soil. ❖ All existing trees within the premises shall be conserved.
Soil: Operation Phase	

❖Disturbance of the soil in the project site ❖Contamination of soil due to dumping of solid waste	❖The non-built up areas will be covered with grass turfing. ❖Good housekeeping practices. ❖Garbage shall not be dumped in open areas but stored and disposed only as per proposed plan.
Ambient Air: Construction Phase	
❖Dust from earth work during site preparation. ❖Emission from constructional equipments and machineries. ❖Fugitive emission from vehicles to and from site and due to loading and unloading of construction materials. ❖Wind born constructional material ❖Dust generation due to excavation, concreting etc.	❖The construction site will be encapsulated from all sides to avoid wind laded with construction material ❖All dust producing construction materials will be transported with proper cover as tarpaulin. ❖Regular sprinkling of water shall be done at site for dust suppression. ❖In high dust areas workers will be provided and encouraged to wear nose masks. ❖Heavy construction machinery and vehicle plying on site will be regularly maintained, shall conform to vehicular emission norms and shall be checked periodically. ❖Green belt development along road side to attenuate the effect of air pollution will begins from construction phase ❖Speed Limits to 20 kmph ❖Tyre wash facility at the entry/exit of the site to prevent dust emissions ❖Periodical Ambient Air Quality Monitoring as per MPPCB norms. ❖Provision of PUC Certificate at entry gate
Ambient Air: Operation Phase	
❖Emission from DG sets (in case of power failure) ❖Emission from vehicles plying on the roads.	❖All the stack height will be as per CPCB norms. ❖Green belt along road side in different tiers to attenuate the effect of air pollution. ❖Traffic movements will be smooth and movements of vehicles will also be that there is least idling time. ❖DG sets will be maintained regularly.
Ambient Noise: Construction Phase	
❖Deterioration of noise quality due to noise produced by vehicles, loading and unloading activities and construction machineries. ❖The noise produced will have temporary impacts on the existing ambient noise level and will be restricted to small distance of 50m.	❖Construction site will be encapsulated from all the four sides. ❖Noise level would be considered during selection and procurement of construction equipment. ❖The noise level of machineries and construction equipments shall be monitored periodically. ❖Workers will be provided with PPE like ear plugs. ❖DG sets will be provided with acoustic enclosure and shall confirm to Noise Rules 2000.
Ambient Noise: Operation Phase	
❖Noise due to DG sets compressor & traffic.	❖DG sets will be installed with acoustic enclosures. ❖Green Belt development. ❖Smooth and uninterrupted flow of traffic will be maintained in the complex.
Solid Waste: Construction Phase	

❖Biomass from land clearing, waste from labor camp, construction debris, waste fuel lubricants, oil filters and batteries.	❖Construction waste will be reused in the construction site only like filling low lying areas. ❖Solid waste generated from the labor camps will be transported to the Landfill site.
Solid Waste: Operation Phase	
❖About 101 Ton/day of municipal solid waste is estimated to be produced. ❖Horticulture waste – 9TPD ❖Used oil from DG sets ❖Waste Batteries	❖Two bin waste collection system shall be implemented. ❖Biodegradable segregated waste and garden litter will be transported to the compost site and non biodegradable waste will be disposed to recyclers. ❖Waste oil would be collected, stored and periodically sold off to authorized recyclers. ❖The different waste arising out shall be handled and disposed according to following rules depending upon the applicability: ➢ Municipal Solid Waste (Management and Handling) Rule 2000. ➢ Hazardous Waste (Management and Handling) Rule 2003 and the Batteries (Management and Handling) Rule 2001. ➢ Biomedical waste (M&H) Rule, 1998
Water Environment: Construction Phase	
❖Water consumption ❖Waste water from labour colony	❖Mobile Toilets with portable STP will be provided for workers and staff on the site. ❖RMC shall be used. ❖Curing water shall be spread on concrete structures. ❖All concreting structures to be painted with curing chemicals. ❖Concrete structures shall be covered with thick cloths / gunny bags and water shall be spread on them.
Water Environment: Operation Phase	
❖ Water consumption. ❖ Waste water generated from township will impact on ground water quality.	❖Use of recycled water for Flushing, Gardening, and DG cooling purposes etc. ❖STP of capacity 30 MLD is proposed to treat the sewage and recycled within premises at max. extent. ❖Use of water saving devices i.e. low flow flushing cisterns, sensor based fixtures, automated flushing urinals. ❖Rain water harvesting to augment the ground water.

Plantation & landscaping

- 596.5 acres area i.e. 30% of total area is under Green.
- All arterial roads (60 m ROW) with 10 m wide central verge & 3 m buffer comprising a green strip
- Sub Arterial Roads (45 m ROW) with a 7 m median & 3m buffer comprising a green strip
- No. of Trees required -Approx. 54,000 (@ 1 Tree/100 sqm of Open & Green area)
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- The overall green belt will be of mixed range approximately 50% as lawn, community parks & nurseries, 25 % shrubs and 25 % Tree species.
- 30,000 plants have already been planted and more are being planted within premises.
- Healthy and established sapling having 1m height shall be selected for planting in greenbelt to avoid mortality
- Pit measurements of 0.6 m x 0.6 m x 0.6 m are to be dug up at desired point in triangular pattern.

Pockets of reserve forests have been reported in the project – following protection measures have been furnished for the same:

- Barbed-wire fencing or growing live hedges along the boundary line shall be carried out by the SADA.
- Strip Plantation around the protected/reserve forests covered in the study area along with field boundaries or other borders, e.g. along footpaths or Tighra irrigation channel especially, to avoid siltation by wind.

- The degraded reserve and protected forests require tree plantations. SADA will carry out the necessary plantations in their own way.
- SADA shall facilitate avenue plantations along the roadside, developments of parks and play grounds, beautification of the township with ornamental trees and soil and water conservation structures in the erosion prone areas of the buffer zone outside the reserve and protected forests.
- Tree planting can also be done along farm boundaries, banks of streams and on fallow lands.

After deliberations committee observed that the proposed project is huge project consisting large no. of components including patches of reserve forest. After completion of first phase the project is likely to be extended. Hence committee decided to carry out a visit of the site during February 2013. Meanwhile the proponent was asked to prepare and furnish response for the following issues:

1. Suitable plan for R-20 and R-19 compartments of RF falling in the project boundary should be prepared in line with the suggestions given by the committee.
2. Plan pertaining to prevention of drainages from the site into the river 'Sank' has to be furnished.
3. Provision of Play Ground to be made and shown on the lay-out.
4. Concrete plan detailing the system as how the sewages from various townships shall be accepted into the centralized sewage management system of SADA.
5. Recycling / disposal plan for the treated sewage to be worked out in detail including the waste water expected from all the proposed townships / residential blocks / commercial blocks.
6. As reported that MSW disposal site is under planning through MSW management consultant; PP should arrange a meeting with the consultant during the proposed site inspection by the committee in February 2013 at Gwalior.

2. **Case No. 809/2012- Stone/ Boulder Quarry "Shivpuri Dewas Road Project NH - 3" Hi-Tech Rock Products & Aggregates Ltd. Mount Poonamaliee Road, Manapakkam, P.B.N0. - 979, Chennai - 600089. -** Stone/ Boulder Quarry permits for execution of Shivpuri Dewas Road Project, NH-3.

Env. Consultant: Not disclosed.

This is a mining project of stone / boulder quarry in MLA of 4.0 hectare; the quarry is linked with a national Highway project and the stone is proposed to be mined out for the road construction works only. The proponent and his consultant presented the features of the project before the

committee which reveals following:

M/s. Hi-Tech Rock Products & Aggregates Limited, Stone/Boulder quarry project is located at Village- Awan, Teh. Raghogarh, Distt. Guna (MP). L & T has undertaken the four laning & up gradation work of Shivpuri- Dewas section of NH-3 comprises the four laning & up gradation of the road from Guna to Dewas (NH-3) in the state of Madhya Pradesh. The total length of the road is 234 km. M/s. Hi-Tech Rock Products & Aggregates Limited, a subsidiary company of L & T Ltd., will carry out Mining work & supply aggregates stone for the above road project. The project length is 234 Kms and the company has to complete said work within 36 months from the date of the commencement of the work.

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

SN	Attribute	Reported	Inference	Remark
1	Mineral	Stone/boulder	Cat. B-2	--
2.	Mechanical sizing	Not proposed	Cat. B-2	--
3.	Presence of other mining areas within 250 meters	No	Cat. B-2	--
4.	Proposed lease period	3 years	Cat. B-1	Can be relaxed & considered as cat B-2 by limiting the lease period for 2 years

Salient features of the project

SN	Particulars	Details
1	Mining Lease area	4.0 hect.
2	Location	At khasra no. 1150/1/A Vill. Awan, Teh. Raghogarh, Distt. Guna
3	Village	Awan
4	Tehsil/District	Raghogarh/Guna
5	State	Madhya Pradesh
6	Latitude	24°24'07.70"N
7	Longitude	77°07'32.70"E
8	Production Capacity	5 Lakhs MT/annum for Three Years
9	Elevation above Mean Sea Level	480 m
10	Nearest National Highway	1.5 km (NH-3)
11	Nearest rail head	18 Km (Ruthiyai Railway Station)
12	Nearest airport	170 km (Bhopal Air Port)
13	Hist. / Tourist places	No
14	Ecologically sensitive areas (National Parks / Wild life sanctuaries / bio-sphere reserves)	None reported in 10 Km area.
15	Project Length	Three years

Year Wise Production Plan

SL No	Year	Quantity in MT

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1	1st Year	5 Lac MT
2	2nd Year	5 Lac MT
3	3rd Year	5 L.ac MT
Total		15 Lac MT

Submissions made by the PP:

- Form-1
- PFR
- Validated information in the prescribed format annexure-1.
- Environment management scheme in prescribed format annexure-2

Other points reported by the PP

- The proposed site about **1.5KM** from NH-3 (Agra-Mumbai National Highway). The nearest **railway station is Ruthiyai,** station is located about**18 km** from the proposed site in North direction. **Raghogarh** is located **10.0 km** in North direction.
- Guna city is located more than 30 km from proposed site in North east direction. Moreover the Proposed site is a barren land which can be converted in to a **Pond**, which in future can be used for irrigation purpose, so that the local farmers can take more than **2 crops per Annum.**
- Raw Material requirements- As it's a quarry project we will be only using material related to blasting. Handling, Transportation & use of Blasting materials shall be done as per the provisions of the Indian explosive act & rules.
- Stones quarried from the proposed land shall be exclusively used for the construction of NH-3(Guna-Dewas section). The over burden soil (0-300 mm) is proposed to be dumped along the periphery of the quarry as a protective barrier on which plantation will be done. Hence, no solid waste will be generated.
- Availability of water its source, Energy/power requirement.
- The blasting will be done only during the day time only so we won't be using any power or energy. Water required for drinking, sprinkling on haulage road will be sourced locally by water tankers.
- Quantity of Wastes to be generated and scheme for its management.
- As this is a quarry project we will not be producing or generating any solid or liquid wastes.

Environmental Management Plan (EMP)

Air Pollution Control Measures proposed:

- Wet drilling method shall be adopted to minimize dust emission during drilling.
- Water sprinkler will be provided to avoid dust generation during material loading / unloading.
- The muck pile sprayed with water prior to loading.
- Regular wetting of haul roads by water tanker.
- Quantity of dust, fumes generated at the time of shattering and disintegration in strata is very less and settle down instantly.
- Dense plantation will be carried in and around the proposed mines.

Water Pollution Control Measures as proposed

- The probable causes of surface water pollution in the mining area are soil erosion. Adequate control measures have been proposed to check not the run-off, soil erosion and uncontrolled flow of mine water. As there is no toxic substance present in the discharged water, there is no adverse effect on the water regime.
- The overburdens of the area shall be dumped at the boundary within the lease area and tree plantation shall be done in phased manner to develop green belt.

Control measures for maintaining ambient noise levels:

- The prime movers/ engines are of proper design and are properly maintained covering the machinery with acoustic enclosure.
- A thick tree belt shall be provided and will be made thicker in phased manner around the periphery of the mine to screen the noise.
- Provision of protective devices like ear muffs/ear plugs at work place.
- Provision of sound insulated chambers for the workers deployed on machines producing higher levels noise machines like excavator, rock breaker, drill, compressor etc.
- Reducing the exposure time of workers to the high noise levels.

Disaster / Risk Management Plan:

- Blasting will be carried out with full safety. Blasting Shelters of MS Plate will be provided at Quarry for taking blast with safety.
- Electric/Mechanical Siren will be provided for alarming the peoples before blasting.
- Blasting will be done only in day time in between 13:00 to 14:00.
- Safety caution Boards indicating Time of Blasting will be provided around the Quarry.
- Boundaries of Quarry area will be protected by wire fencing.

Land use Planning and Mine Closure- It is presumed that the mining of Lease of 4.00 Hectares Stone/Boulder Quarry will continue over the period of 03 years. At the end of mining operations following land use has been proposed:

Particulars of Land Use	**End of Third Year (Ha.)**	
Pit & Quarries	3.60	Pits will be converted into pond.
Plantation proposed	0.35	
Protective fencing	0.05	
Total	4.00	

Following Machineries have been proposed to be used at our project site:

Wagon Drill & Compressor	1 No. for drilling.
Hydraulic Excavator	1 No. for loading of muck at Quarry
Hydraulic Excavator with Rock breaker	1 No. for breaking
16 T capacity tipper	5 nos. for rock transportation
Explosive Van	2 Nos.

Cost proposed to Be Incurred For Environmental Protection

Environmental Management	**Expenses / Year (in Rs.)**	**Cost per ton (in Rs)**
Environment Monitoring	1,00,000	0.20

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Dust suppression and Pollution Control	4,50000	0.90
Maintenance of pollution control facilities & development of the Green Belt	5,00000	1.0
Miscellaneous		0.04
Total	**10,50,000**	**2.14**

After deliberations committee recommended the case for grant of prior EC subject to the following conditions:

1. Blasting will be done only in day time between 13:00 to 14:00 Hours.
2. Curtaining of site shall be done using appropriate material such as GI-sheet or fine-mesh net etc. to control fugitive emissions in the region.
3. Wet drilling method shall be adopted.
4. Production shall be to the tune of 5 Lac MT/annum.
5. Crusher or any other sizing device shall not be allowed in the mining lease area.
6. The pits formed after the mining shall be appropriately developed into water body which should properly fenced and safe for easy access to the local residents.
7. The proposed plantation should be carried out along with the mining and PP should take care that these plants remain healthy.
8. Transportation shall not be carried out through forest area.
9. PP shall take CSR activities in the region through the 'Gram Panchayat'.

3. **Case No. 889/2012 – Muskan Plaza MR-4, Shatabdipuram, Jabalpur (M.P)-** Residential Project at MR-4, Shatabdipuram, JDA Scheme no. 11/"C" Lakshmipur Tehsil & Distt. Jabalpur (M.P). Plot area – 10735 m2 and built-up area – 26966.28 m2

Env. Consultant: Not disclosed.

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

4. **Case No. 890/2012 – M/s BVSR "Harda-Betul Road Projects (P) Ltd. 8-2-686/B/11/6/1, Plot No. 9 Road No. 12, Banjara Hills, Hyderabad- 500034-** Stone Bouldr quarry in an area of 1.154 Ha for production capacity of 145000 m3 per year at Khasra No. 101/1, 101/2, Village Danwada, Tehsil Khidkiya Distt. Harda, M.P.

Env. Consultant: Not disclosed.

This is a mining project of stone / boulder quarry in MLA of 1.154 hectare; the quarry is linked with a road project and the stone is proposed to be mined out for the road construction works only. The proponent and his consultant presented the features of the project before the committee which reveals following:

It is a project for development of Harda-Chippaner & Betul-Atner MDR (Package VII) on BOT(Annunity) Basis. During the quarry process about 15-25 people on an average will be employed. After the Project is completed the proposed land will be converted into pond.

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

SN	Attribute	Reported	Inference	Remark
1	Mineral	Stone/boulder	Cat. B-2	The proposed

2.	Mechanical sizing	Not proposed	Cat. B-2	project can be considered under category B-2
3.	Presence of other mining areas within 250 meters	No	Cat. B-2	
4.	Proposed lease period	2 years	Cat. B-2	

Salient features of the project:

Name of Project : 01.154 Hectares Stone/Boulder Quarry
Production Capacity : 1, 45,000 Cubic meter/annum
Lease Time : 2 Years (Completion of Road Project)
Name of Company : M/S. BVSR Harda-Betul Roads Project Pvt. Ltd.

Details Of Proposed Land

Survey/khasra No : 101/1, 101/2
Name of Village : Danwada
Name of Tehsil : Khidkiya
Name of District : Harda
State : Madhya Pradesh
Area of Proposed Land : 01.154 Hect.

Method

Manual/semi mechanized method has been proposed for mining.

Ultimate land-use after mining

Particulars of Land Use	**End of 2nd Year (Ha.)**	
Pit & Quarries	0.974	**Pits will be converted into small pond**
Infrastructure Office buildings & Road ETC.	0.08	
Plantation proposed	0.08	
Protective fencing	0.02	
Unused	-	
Total	1.154	

Following Machineries have been proposed to be used at our project site:

Wagon Drill & Compressor	1 No. for drilling.
Hydraulic Excavator	1 No. for loading of muck at Quarry
Hydraulic Excavator with Rock breaker	1 No. for breaking
16 T capacity tipper	2 nos. for rock transportation
Explosive Van	2 Nos.

Cost To Be Incurred For Environmental Protection

Environmental Management	Expenses /Year (in Rs.)	Cost per ton(in Rs)

-Sd-
(S.C. Jain)
Chairman

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

-Sd-
(Dr Mohini Saxena)
Member SEAC

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

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

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

Environment Monitoring	1,00,000.00	00.50
Dust suppression and Pollution Control	2,00,000.00	01.00
Maintenance of pollution control facilities & Green Belt	2,50,000.00	02.00
Miscellaneous		0.50
Total	5,50,000	4.00

After deliberations committee recommended the case for grant of prior EC subject to the following conditions:

1. Blasting will be done only in day time between 13:00 to 14:00 hours.
2. Curtaining of site shall be done using appropriate material such as GI-sheet or fine-mesh net etc. to control fugitive emissions in the region.
3. Wet drilling method shall be adopted.
4. Production shall be to the tune of 5 Lac MT/annum.
5. Crusher or any other sizing device shall not be allowed in the mining lease area.
6. The pits formed after the mining shall be appropriately developed into water body which should properly fenced and safe for easy access to the local residents.
7. The proposed plantation should be carried out along with the mining and PP should take care that these plants remain healthy.
8. Transportation shall not be carried out through forest area.
9. PP shall take CSR activities in the region through the 'Gram Panchayat'.

Discussion on the mining projects in MLA less than 5 hectare received late at SEAC:

Mining cases with MLA less than 5 hectare as enlisted below were received in SEAC from SEIAA on 4th December 2012 and were placed before the committee with due permission of the Chairman. Following observations were made by the committee:

1. The cases have been forwarded from SEIAA vide various letters dated from 6th to 15th November 2012 but the same were received at SEAC only on 4th December 2012 after more than 15days it extraordinary specially when the papers are being send out through special messenger.
2. The scrutiny of the papers revealed that the desired information pertaining to mining method, proposed lease period, and validated distances of various features as desired in the prescribed format has not been enclosed with many applications.
3. Committee decided to place these cases in the coming meetings along with the other similar cases.

Discussion on the query responses

1. **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 BuildInfraPvt. 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 – 40349.88Sq.mt.*** **Building Construction Project.**

The case was presented before the committee in the meeting dated 28/09/2012 where by the Committee has asked the proponent for submission of response to the following queries along with the supporting documents:

- Memorandum of Article as Registered Private Company to be furnished.
- Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.

- 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.
- Car parking space has to be re-calculated comparing the norms of CPCB and State authority.
- 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.
- 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.
- Provision for play ground has to be explored and furnished.
- Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.
- 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.

PP has submitted the response along with the supporting documents for the above queries which was placed before the Committee in this meeting after scrutiny of the reply it was observed by the committee that PP has opted to use ground-water also and has applied for permission to the CGWA the same is yet to be released from CGWA. The distance of project boundary from the railway acquired land is reported to be 30 meters which is just in accordance to the norms prescribed by the railways. Other information submitted by the PP appears to be satisfactory and acceptable. The EMP and other submissions made by the PP are satisfactory hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Net Fresh Water requirement for the project shall not exceed 400 KLD.
2. Permission for abstraction of ground water should be obtained before commencement of any construction activity on the proposed site.
3. Municipal Corporation and the State Pollution Control Board shall ensure that no violation is done by the PP with respect to the norms laid down by the Railways pertaining to requisite buffers around the railway property.
4. STP to treat the 436 KLD of domestic waste water shall be commissioned along with the other construction activities. The proposed STP shall consist Preliminary treatment + Aerobic biodegradation treatment followed by tertiary treatment.
5. Underground water storage tank of capacity 50000 liters of water shall be provided exclusively for fire protection.
6. Solid waste generation is reported to be around 1. 409 TPD, PP shall provide storage area sufficient to store the 48 hours generation.
7. A corpus fund of Rs 1.53 Crore for O & M of STP and other environmental issues has been proposed by the PP; separate bank account shall be opened by the PP under this head and copy of Bank account in this context shall be furnished by the PP while seeking consents from the MPPCB.

2. 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.).]

The case was presented before the committee in the meeting dated 28/09/2012 where by the Committee has asked the proponent for submission of response to the following queries along with the supporting documents:

- Specification of MSW storage facility with provision to hold the MSW at least for 48 hours to be furnished.
- 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.
- 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.
- Technology selection for STP should be economically feasible.
- Provision for play ground has to be explored and furnished.
- Provision of corpus funds for O & M of STP and other environmental issues has to be made in the project.
- Provision for keeping window coolers to be made in the flats and furnished.

PP has submitted the response along with the supporting documents for the above queries which was placed before the Committee in this meeting. The submitted response seems to be satisfactory and acceptable hence committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Net Fresh Water requirement for the project shall not exceed 495 KLD.
2. Requisite water supply should be acquired from the concerned authority before commencement of any construction activity on the proposed site.
3. Suitable and cost effective STP to treat the 388 KLD of domestic waste water shall be commissioned along with the other construction activities.
4. Total nos. 29 rainwater harvesting pits have been proposed in the project these shall be maintained by the proponent till the township is handed over to the society.
5. Solid waste generation is reported to be around 0.633 TPD, PP shall provide storage area sufficient to store the 48 hours generation.
6. A corpus fund of Rs 326 Lac for O & M of STP and other environmental issues has been proposed by the PP; separate bank account shall be opened by the PP under this head and copy of Bank account in this context shall be furnished by the PP while seeking consents from the MPPCB.

Meeting ended with thanks to the Chair and the members.

-Sd-
(S.C. Jain)
Chairman

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

-Sd-
(Dr Mohini Saxena)
Member SEAC

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

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

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