

The meeting conducted on 12<sup>th</sup> October, 2011 was presided by Shri S.C. Jain, Chairman. Following members attended the meeting-

Shri V.R. Khare, member  
Shri K.P. Nyati, member  
Prof. V. Subramanian, member  
Dr Mohini Saxena, member  
Shri A.P. Srivastava member  
Shri R.K. Jain. Member Secretary and MS, MPSPCB.

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

**1. Confirmation of minutes of 79<sup>th</sup> & 80<sup>th</sup> meetings of SEAC dated**

The minutes of 79<sup>th</sup> & 80<sup>th</sup> meetings of SEAC dated 2nd & 3rd September 2011 were confirmed and approved.

**2. Consideration of the Projects**

11 cases were invited to make presentation before the SEAC.

**Deliberations:**

1. **Case No. 638/2011 M/s Ipaca laboratoties Ltd 1, Pharma Zone, SEZ Phase II, Pithampur, Distt-Dhar-454** - Production of Synthetic Drugs(APIs) in the existing plant premises at 1, Pharma Zone, SEZ Phase II, Pithampur, Distt.-Dhar - M.P.[ Existing Capacity Tablets(60 croes/annumn) Existing area – 19.84 ha. (No additional land is required for the proposed production project of synthetic drug(APIs)] Env.Consultant: J.M. Environment PVT. LTD.Gurgaon( Haryana)] **For ToR**

The drug manufacturing units are listed at S.N. B,5(f) of the Schedule of EIA Notification 2006 hence are required to obtain prior EC after appraisal by the

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SEAC. This is a case of expansion of an operating bulk drug manufacturing unit.

Presentation and submissions made by the PP reveals following:

- The industry is operating in SEZ, Pithampur since 2006 and has proposed for an expansion with respect to products and production capacity.
- Land has been allotted by the AKVN Indore.
- The existing unit is a formulation plant with capacity – Tablets 60 crore / year.
- Products proposed for manufacture –
  - Metformin HCL - Active Pharmaceutical Ingredients (API), to the tune of 4800 TPA
  - Tablets – capacity enhancement from 60 crore to 360 crore per year.
- Raw material proposed – Dicynoamide, di-methyl amine, HCl, NN Dimethyl Acetamide and methanol.
- Additional construction shall be done in the existing plot and no additional land shall be acquired for the purpose.
- Cost of the proposed expansion is reported to be Rs 70.0 Crore.
- Present waste water generation is reported to be - 130 m<sup>3</sup>/day it was reported that quantity of waste water shall not increase after expansion as no water shall be used in the process.
- Effluent treatment plant with capacity of 140 m<sup>3</sup> / day is installed.
- PP has proposed to construct a STP with capacity of 50 KLD.
- Present water requirement is 200 KLD and after expansion total requirement shall be 600 KLD which shall be sufficed by the AKVN.
- Power back-up- DG sets existing – 1000 kVA and proposed 2000 kVA.
- Boilers attached- 5+ 2 TPH additional boilers proposed – 8 TPH. Fuel for boilers- furnace oil / RLNG.
- Industry has valid authorization and consent from MPPCB.

After deliberation committee has approved the TOR for carrying out EIA with inclusion of following points-

1. Point-wise compliance of the conditions of the consents / authorization issued for existing unit has to be furnished with EIA in detail.
2. Solvent recovery details with percentage recovery / details of disposal of recovered solvent to be provided with EIA.
3. Quantification of hazardous waste being generated or expected has to be

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- done with justification for the same.
4. Segregation of inorganic and organic streams of effluent and their treatment to be detailed out in EIA.
  5. Zero discharge has been claimed by the PP in this context PP has to furnish mass balance considering the monsoon season also.
  6. Proposal for real time environmental monitoring has to be furnished.
  7. Proposed action for compliance of CREP Charter to be furnished.
  8. ETP should tackle the treatment of all organics expected from the process.
  9. For base line monitoring all parameters included in new notification for AAQ have to be monitored including the VOC monitoring.
  10. EMP should appropriately address the CSR of the company.
  11. Solvent scrubbing system to be provided before inlet of ETP. All the vents in the process should be connected to the scrubbing system, to reduce ambient solvent emissions.
  12. Measures taken by the industry to control the odour nuisance to be submitted.
  13. Installation of energy and water efficient boilers should be explored.

**2. Case No. 639/2011 M/s Apindia Biotech Pvt Ltd.,188, Pul Bogda, Jinsi, Bhopal "Rock Phosphate Beneficiation Plant" Capacity - 0.06 million TPA, AKVN Industrial Area Distt.-Jhabua,M.P, [Env.Consultant:SawenConsultancy Services, Lucknow] For –EIA Presentation**

This is a mineral beneficiation plant and is listed at S.N. B, 2(b) of the Schedule of EIA Notification 2006 and hence has to be appraised by the MPSEAC for prior EC. The case pertains to beneficiation of rock phosphate for capacity of 0.06 TPA (400 TPD).

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TOR was issued to the PP from MoEF vide letter dated 7th March 2011. Since the beneficiation plants less than 1.0 million tons per annum are listed in 2(b) under category B hence the EIA has been submitted to M.P. SEIAA & forwarded to SEAC for appraisal. Original file from MoEF has not been received by SEAC. The project authorities and their consultant presented the salient features of the project before the committee. The submissions and the presentation made by the PP and the consultant reveals following:

- Total cost of the proposed project: 18.40 Crores.
- Total capital cost/annum for Environmental Pollution Control Measures: Rs. 72 lacs.
- Total recurring cost/annum for Environmental Pollution Control Measures: Rs.14.5 lacs.

The total land of 39,996 sq m has been acquired by the company for the proposed plant. The project would obtain nearly 400 tonnes per day (TPD) low-grade rock phosphate from a nearby mine of M.P. State Mining Corporation Ltd. to produce 190 TPD of beneficiated rock phosphate.

**Feasibility:** It was reported by the PP that the country is deficit in high grade rock phosphate required for producing phosphatic Fertilizers & more than 75% of our requirement is being imported. Thus production of high grade beneficiated rock phosphate will contribute in saving foreign currency as well as in manufacturing of phosphate fertilizer (SSP) in nearby areas & thus will help in the increased agriculture produce of the region contributing to the national economy.

**Project location**

The land is situated in Audyogik Kendra Vikas Nigam Ltd. Industrial Area, Distt. Jhabua (M.P) at Plot No. 177, T.A AKVN Industrial Area, Tehsil: Meghnagar, District: Jhabua, Madhya Pradesh [Latitude: 22°46'11"N and Longitude:74°35'59"E]. Meghnagar Railway Station is at 5.0 Km from the proposed site and Jhabua Rock Phosphate Mine of MPSMCL is at 22 Km.

**Area break-up as proposed by the PP is as follows:**

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Total Land Available	:	39,996 sq.m
Plant Area	:	1425 sq.m
Raw Material storage area	:	5400 sq.m.
Finished Good Storage Shed	:	5000 sq.m
Tailing Storage Area	:	3000 sq.m
Thickener Area	:	5450 sq.m
<b>Green Area</b>	<b>:</b>	<b>13, 200 sq.m</b>
Administrative Building	:	1050 sq.m
Parking Area	:	1250 sq.m
Road & Paved Area	:	2600 sq.m
Area for 33kV substation & transformer	:	1621 sq. mtr.

**PROJECT DESCRIPTION**

Rock Phosphate Beneficiation is a project where nearly 12 mm chips produced during mineral mining will be beneficiated by a series of methods in order to concentrate the mineral to desired level.

Production Capacity	:	0.06 million TPA
Cost of the Project	:	18.40 Crore
Project Category	:	Category 'B'

**ELECTRICAL REQUIREMENTS**

Connected Load	:	1500 KVA from MPSEB
D. G. Set	:	750 KVA x 1 nos.

**MANPOWER REQUIREMENTS**

No. of workers	:	35 Staff + 46 Labours
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**FRESH WATER REQUIREMENTS**

Beneficiation Process	:	180 KLD (Source – MPAKVN)
Domestic Consumption	:	04 KLD

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**Raw Material**

1. Low Grade Rock Phosphate- 1320000 MT from Meghnagar, Jhabua Mines of M P State Mining Corporation
2. Sulphuric Acid 396 MT
3. Sodium Silicate 198 MT
4. Sodium Oleate 119 MT
5. Phosphoric Acid 713 MT

**PROPOSED BENEFICIATION PROCESS**

The proposed project involves process of beneficiation of low grade Rock Phosphate (Cherty and Carbonate Phosphate). The process involves- Wet Grinding of Rock Phosphate Chips procured from the mines. Grinding shall be carried out in the ball mill in 'Close Circuit' with Hydro cyclone to optimize grinding to required mesh. This followed by Silica Separation through floatation method using Sodium Silicate solution and sodium oleate solutions. In the circuit phosphate floats leaving behind tails of Silica. Separation of Carbonate – Phosphate is brought about by floatation using Sulphuric Acid and Phosphoric Acid. In this floatation circuit, floats are rich in carbonate whereas tails are rich in phosphate. The tails from this circuit is phosphate and transfer to Phosphate Thickener for dewatering. In process of Dewatering and Filtration the thick slurry collected from silica tails thickener and carbonate tails thickener are transfer to vacuum filters thus to discharge tailing in the form of cakes to tailing yard. The phosphate thickener underflow is transferred to vacuum filter to obtain solid phosphate as final product and discharge to Crane shed for bulk storage before dispatch to customer. Tailings and Tailing Dam: Beneficiation Plant produces tailing which is around 50-60% of total through put. Large volume of water is also trapped in tailing which has to be reclaimed for recycling in the process. Tailings will be pumped to tailing thickener. Tailings will be thickened to about 40-45% solids w/w and pumped to Tailing/Water Reclamation ponds for the storage of solids and water reclamation.

Environmental assessment - One Season as generated during the period of March 2011 - May 2011 for environmental attributes like meteorology, air, water, soil, noise, ecology, socio-economic etc within a radius of 5 km were presented by the PP to assess the baseline environmental status of the proposed project area. Some secondary data from

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different government, semi-government and private agencies and sources were also compiled and presented to authenticate and draw a conclusion regarding the baseline status of the environment in the study area.

**Environmental Pollution and EMP-** The presentation and the submissions made by the PP reveal the various environmental consequences are expected from the project. Different environmental consequences & remedial actions proposed by the PP are summarized below:

<b>AIR ENVIRONMENT</b>	
<b>Source of pollution</b>	<b>Proposed Mitigation</b>
Loading & Unloading, Transportation, Storage of Rock Phosphate Chips & Tailings	<ul style="list-style-type: none"><li>▪ Closed Multi Feed Belt Conveyor System shall be adopted</li><li>▪ Direct Loading/ transport of Dusty Raw Material through Crane Feed</li><li>▪ Storage of Product at crane shed covered areas</li><li>▪ Hydro cyclone to optimize grinding to required mesh size of 200 (BSS).</li></ul>
Crushing & Grinding -Ball Mill	<ul style="list-style-type: none"><li>• Rock Phosphate Dust Suppression Technique of Wet Grinding</li></ul>
Gaseous Emission during D.G. Set Operation	<ul style="list-style-type: none"><li>• DG set will be supplied with acoustic enclosure as per CPCB norms. The output of DG Set shall work under climatic conditions in conformity with CPCB approved type tests</li></ul>
<b>WATER ENVIRONMENT</b>	
Waste water discharge is calculated to be 439 KLD. (TDS, Fluoride etc)	<ul style="list-style-type: none"><li>• The generated waste water from beneficiation process is proposed to be treated in-house 450 KLD Effluent Treatment Plant based on physico-chemical treatment.</li></ul>
<b>NOISE ENVIRONMENT</b>	

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<p>The total of 1 D.G sets (750 KVA capacity). Ball mills etc.</p>	<ul style="list-style-type: none"> <li>• D.G sets shall have acoustic covering and meeting all the norms, which are laid down by CPCB.</li> <li>• All the machineries will be kept in enclosed shed/ building to mitigate the noise levels.</li> <li>• Engineering possibilities of modification of old equipment with minor design changes shall be considered.</li> <li>• All the machineries shall be properly &amp; timely maintained.</li> <li>• Grinding Ball mill shall have rubber liner bonded to the inner surface.</li> <li>• Noise Barrier of Green Belt: Proper plantation shall be done all along the roads &amp; periphery to</li> </ul>
<p align="center"><b>SOLID &amp; HAZARDOUS WASTE</b></p> <p>❖ The tailings shall comprise of silica and appreciable fraction of phosphate which will be nutrient rich crude fertilizers &amp; dispatched to fertilizer supply centers. The tailings will also be sold to Brick Kilns &amp; as filler for fertilizer. The Tailing shall be stored at <i>pucca</i> areas where minimum leachate contamination would be anticipated. In case of accidental leakages, the leacheates from tailing storage area will be non- hazardous &amp; free of ground water contaminants. Storage shall be designed as per guidelines of Tailings Dam Design, Technical Bulletin No. 30, Ministry of Steel &amp; Mines.</p> <p>❖ Chemical Sludge as by product of effluent treatment plant will be deposited along with tailings.</p> <p>❖ Expected Municipal Solid Waste Generation from Factory: 27 Kg/ day (annrox )</p>	

After deliberations committee has raised following queries and asked the PP to file their reply with supporting documents at the earliest:

1. Copy of report from Atomic Energy Deptt. in context to the uranium contents in the available deposits of Rock Phosphate / test report from approved lab.
2. Analyses of Rock Phosphate with special reference to the As, F & U etc. to be submitted.
3. All key parameters (F, P etc) have to be analyzed in the soil samples of the region to have back ground concentration of the expected pollutants in the soil.
4. Justification for the proposed ETP with respect to its capacity, technique and recycling of treated waste water to be furnished with detail drawing & design of the proposed ETP.
5. Treatment in the proposed ETP is reducing the concentration of F; justification for the same to be furnished.

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6. Leachate expected from the stored raw material has to be addressed
7. A map of the site including at least 2Km micro-level features around the site has to be furnished showing impact zones with respect to air pollution. The Map should also depict the mitigation plan proposed by the PP.
8. Agreement documents pertaining to the sale of tailings brick kilns and fertilizer companies to be provided clearly mentioning the quantities of tailings that shall be supplied to these users.
9. Mass balance of the tailings to be provided.
10. Proposal for disposal of chemical sludge as per HSMD Rules.
11. efficiency of scrubber
12. Detail design of the tailing dam and its location on the site to be provided on map.
13. CSR activities proposed by the company have to be furnished along with the budgetary provisions.

Committee has decided to call the proponent after receiving the above information and the supporting documents from the proponent.

3. **Case no. 483/2009** M/s Awin Trading Pvt.,Ltd.241/1, Saket Nagar, Baldeobag,Distt- Jabalpur- (M.P.) - Padwar Bauxite, Laterite & fireclay mine 30.88ha.Capacity -3.0 Lac TPA, at village-Padwar, Teh-Bahoriband, Distt-Katni- (M.P.) ToR issued vide letter no. 592 dt. 09/08/10 [Env.Consultant-Creative Enviro Services,Bhopal.] –EIA Presentation

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under ‘B’ Category of EIA Notification, 2006 and is to be appraised by SEAC. This is a mining project of an existing mine Open cast and Other than fully mechanized type of mining is proposed. PP has applied EC. The EIA/EMP was presented before the committee by the project proponent and his consultant. Salient features of the project as revealed from the presentation and submissions of the PP are as follows:

**Land status:** Mining lease has been renewed by M. P. Govt. in for 20 year from 01.12.2005 to 30.11.2025

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village	Khasra no.	Area in Hectares	Ownership status	Present land use	If Acquisition is require, Status of acquisition
Padwar	Part of 50	30.88	Govt.	Grassland	Not required

Environmental features & their Distance & Location from Lease area	
Forest boundary	jhujhawal RF- 500 meters in West Amoch RF-5.25km in South
National park Wild life protection act 1982 etc.	None within 10km radius
Interstate boundary	None within 10km radius

PP Submission from the PP: Copy of P-2 form, Lease agreement and Lease transfer papers in name of Avin traders.

**Environmental Pollution and EMP-** The presentation and the submissions made by the PP reveal the various environmental consequences are expected from the project. Different environmental consequences & remedial actions proposed by the PP are summarized below:

EMP		
Impact Zone	Type of Impact	Proposed Mitigation Measures
Around 10km radius	Air	<ul style="list-style-type: none"> <li>▶ Following air pollution control measures will be taken to minimize negative impact due to mining activity.</li> <li>▶ Regular spraying of water by tanker fitted water sprinkling system over haulage roads.</li> </ul>

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		<ul style="list-style-type: none"> <li>▶ To reduce dust generation during loading operation water will be sprayed over the muck pile to the loaded;</li> <li>▶ To reduce spread of dust, plantation along the mining lease boundary is under progress and plantation will also be done along haul roads and backfilled area</li> <li>▶ Periodic maintenance of haulage roads.</li> <li>▶ 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.</li> <li>▶ Dust mask will be provided to all workers working in dusty atmosphere.</li> <li>▶ Regular maintenance of vehicles and machinery's will be carried out in order to control emissions;</li> <li>▶ A good housekeeping will be practiced which will help in controlling pollution.</li> <li>▶ No drilling and blasting will be done so that no fugitive emission will be generate</li> </ul>
within mine premises	<b>Noise</b>	<ul style="list-style-type: none"> <li>▶ Workers have been provided with earmuffs, ear plugs etc.</li> <li>▶ All moving &amp; non-moving parts of machine will be properly lubricated;</li> <li>▶ A barrier of overburden will be made to reduce propagation of noise;</li> <li>▶ All the basic equipments and various machineries will be kept well maintained.</li> </ul>
Within mine premises	<b>Water</b>	<ul style="list-style-type: none"> <li>▶ Existing dumps will be provided with garland drains which end into pond/pit.</li> <li>▶ Bunds will be provided to remove the suspended solids.</li> <li>▶ Drains will be cleaned properly to prevent the siltation</li> </ul>

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		<ul style="list-style-type: none"> <li>▶ The accumulated water will be provided to farmers of the villages also apart from using mining process</li> <li>▶ Domestic waste water will be collected in Soak pit</li> </ul>
Within mine premises	Land	<p><b>Following measures shall be taken to avoid/minimize the adverse effects of ongoing mining activity. :</b></p> <ol style="list-style-type: none"> <li>1. Vegetation will be removed only from the specific site on which extraction of mineral is to take place, if any.</li> <li>2. Land reclamation will be carried out properly.</li> <li>3. Proper stabilization of overburden dumps or proper utilisation of overburden dumps.</li> <li>4. Proper and effective top soil management.</li> <li>5. Existing dumps will be provided with garland drains which end into pond/pit.</li> <li>6. During 6<sup>th</sup> year to lease period/mine life about 358300cum intercalated mine waste will be generated and same will be use for backfilling purpose. During the first five year waste of Dump-6 will be used for road maintenance.</li> <li>7. From the 6<sup>th</sup> year onwards mine waste will be utilized for the purpose of backfilling in north eastern part.</li> <li>8. During the lease period about 4.4ha area will be backfilled using mine waste up to surface level and reclaim &amp; rehabilitated by way of afforestation.</li> </ol>

**Public hearing Issues (Adverse):** Public hearing was conducted on 06.06.2011 from

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11.00 pm at mine premises, Village- Padwar, Dist Katni (MP). Total 47 people have attended the public hearing. Major public opinion was in favour of the project. People have demanded employment to the local people to which PP has given consent. However, one of the person Shri Arvind Kishore Bhargava of Katni has raised an objection pertaining to the lease area dispute the same has been summarized below:

<b>Name &amp; Address</b>	<b>Raised issues</b>	<b>Comments of the applicant.</b>
Shri Arvind Kishore Bhargava, Nai Basti, Katni	<ul style="list-style-type: none"><li>➤ This lease was sanctioned to Shri Umakant Pathak. The agreement between applicant and Shri Pathak for lease period and this agreement is still in effect.</li><li>➤ Shri Umakant Pathak has illegally transferred the lease in favor of Shri Vijay Sharma of M/s Awin Trading Pvt. Ltd. The applicant is file the complaint against all concerning person on dated: 11.09.2009, to State Govt. The case is pending but the mining lease has been transferred to the Shri Vijay Kumar Sharma M/s Awin Trading Pvt. Ltd.</li><li>➤ The lease area is divided in to two part. This fact is not open to all. The High Tension Line is passing to the lease area hence area is become in to three parts. As per Central mining Act. 1957 it is to take prior to permission from the Central Govt. presently as per rule this</li></ul>	<ul style="list-style-type: none"><li>➤ This mining lease is transfer to M/s Awin Trading pvt. Ltd. by the Shri Vijay Kumar Sharma and Smt. Shobha Sharma Village – Katabhaji Dist. Balagir, Orisa not from Shri Umakant Pathak.</li><li>➤ The field status and as per map, mining lease is not divided in to two parts. The High-Tension line is passing through the mining lease. The mining will be done after 50mtrs. from both side of the HT power line. The mining will be done as per all govt. rules and all pollution controls measures will be taken in the consideration hence there is no adverse effect in field on animal and local public of the area.</li></ul>

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	become laps. This area is proposed for special vanki by the Forest Department for protection of wild life. The local people, agriculture and animals will be effected due the project	
Other issues in the Public hearing were related to plantation along the road side and CSR activities such as drinking water, furniture for village school & medical camps for villagers etc.		➤ PP has submitted an affidavit with budgetary provisions for fulfillment of the commitments made in the Public hearing.

After deliberations committee has raised following queries and asked the PP to file their reply with supporting documents at the earliest:

1. Miro-level study of the 2 Km radius around the site has to be finished with spatial depiction of all the features.
2. Revised Plantation scheme to be submitted with provison of plantation in the buffer zone (100 meters) below the HT line has to be furnished.
3. NOC from competent Authoerity of forest department specifiyng the distance of nearest forest boundary from the site and the distance from the nearestnotified protected area.
4. NOC from the Gram Sabha.
5. Plan with budgetary provisions for appropriate fencing and benching of the pits to be submited.
6. Point-wise compliance of TOR to be submitted.
7. Summary of EIA report along with the EMP & DMP to be submitted.
8. Year-wise production mentioned in the EIA report reveals that the production shall be more than 3.0 lac TPA after 3<sup>rd</sup> year whereas EC has been requested for a

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- maximum production of 3.0 lac. Clarification in this regard to be submitted.
9. Approved Mining Plan from IBM to be submitted.
4. **Case no. 496/2009** M/s Shri Shakeel Ahemad Khan, S/O Shri Abdul Aziz Khan, Mitha Ramji ka Kheda Post Office Colony, Pratap Nagar Chhitorgarh Rajasthan - *Laterite Mine 10.2 HA at Village Guradia Deda Tehsil & District – Mandsaur. TOR issued vide letter 154 dated 18/02/2010 [ Env. Consutant- Apex Minetech, Udaipur (RJ)]* **For –EIA Präsentation.**

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. 504/2010** - M/s Greenwood Agro Forestry Pvt. Ltd, 43-A, General Market, Dawa Bazar Gandhibag – Nagpur Nagpur (Maharastra) - Gwari-Wadong Manganese ore deposit mine 11.732 ha. at village Gwari-wadona, Teh-Sousar, Distt-Chhindwara-M.P. Env. Consultant- Creative Enviro Services, Bhopal. 1. ToR issued vide letter no. 266 dt. 23/04/10, Amended letter (dt. 30/04/10) 2. **Revised ToR** issued vide letter no 600 dt. 09/08/10. **EIA Präsentation.**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. This is a mining project of an existing mine Open cast and Other than fully mechanized type of mining is proposed. PP has applied EC. The EIA/EMP was presented before the committee by the project proponent and his consultant. Salient features of the project as revealed from the presentation and submissions of the PP are described below.

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The SEAC has issued the TOR vide their letter No. 267 dtd. 23.04.10 for the production capacity 3000 MTPA of manganese ore and revised TOR vide their letter No. 600 dtd. 09-08-10 for production capacity of 12000 MTPA.

- Location- Village: Gowari-Wadona, Tehsil: Sausar, District: Chhindwara (M.P), Area: 11.732 Hectare.
- Khasra No. – 3,28,29,172/1,172/2,172/3,176,179,180/1,180/2
- Latitude& Longitude: (21031'51"N :78049'15"E)
- Land Status: Pvt. Non-forest revenue land.

**MINING METHOD**

- The Proposed mining will be carried out by open cast manual/semi-mechanised method using hand tools such as spades hammer crowbar chisel etc. the finish product is transported through tractor trolleys.
- Drilling & Blasting required for removing the schist rock & loosening the Mn Ore as it hard in nature.

S.N	Particulars	Details
1	Nearest City	Sausar Approx. 18 km from Mine
2	Nearest Railway Station	Lodhikheda on Nagpur-Chhindwara Narrow gauge line which is 8 km from lease area.
3	Nearest Airport	Nagpur located at about 53 km from the mines by road
4	Nearest Highway	Nagpur-Chhindwara SH is 2.3 km at mine site.
5	Nearest Village	Gowari-Wadona at 1.2 km
6	Nearest River	Jam River 8 km Kanhan River more then 10 km
7	Topography	Plain terrain
8	Ecological	No national parks and sanctuary reported within 10 km radius

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	Sensitive Zone	
9	Nearest Industries	Raymond, Suruchi, Jindle, Britannia 4 km at Mine Site. (AKVN)
10	Inter state boundary	More then 15 km.

Particulars	Area at the end of 5 <sup>th</sup> year	Area at the end of lease period
Area under pit	0.6 ha	3.0
Area for dumping and plantation & stack yards	2.8 ha	4.0
Area for road & building	0.8 ha	1.0
Plantation area	1.0 ha	3.8
Total	5.2	3.732

**Water requirement** - for the project including duct suppression, green area development & domestic is 10 KLD.

Water Source: Water will be taken from village hand pump and accumulated rain water from existing mine pits.

**Environmental Pollution and EMP-** The presentation and the submissions made by the PP reveal the various environmental consequences are expected from the project. Different environmental consequences & remedial actions proposed by the PP are summarized below:

Predominant Wind direction is N, NW at Morning, NW, SE in evening the EMP to mitigate the possible air pollution shall be take at suitable locations in these direction.

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<b>AIR ENVIRONMENT</b>	
<b>Source of pollution</b>	<b>Proposed Mitigation</b>
Vehicular Movement	Truck shall be covered with tarpaulin while
Waste Dumps	Compaction, gradation and drainage on both side proper maintenance of the haul road
Mine Pit	Working in small area at a time and water
<b>WATER ENVIRONMENT</b>	
Accumulated storm/rain water in the existing pits	Accumulated water shall be pumped out for use from time to time
Run-offs from OB and other areas	<ul style="list-style-type: none"> <li>❖ A protective trench, 2m deep and 2m wide shall be formed around the toe of OB dumps.</li> <li>❖ Bunds shall be provided to remove the suspended solids.</li> </ul>
<b>NOISE ENVIRONMENT</b>	
Drilling operations, Blasting & transportation of materials	<ul style="list-style-type: none"> <li>➤ Maintenance of Jack Hammer</li> <li>➤ Provision of ear muffs to drill operators as a measure to protect their ears</li> <li>➤ Plantation in and around the Mine</li> <li>➤ Proper gradient of haul road to reduce cumulative noise level</li> <li>➤ To carry out noise surveys during different seasons at the mine</li> <li>➤ Charging and stemming of blast holes shall be done to reduce the flying</li> </ul>
<b>SAFETY &amp; SECURITY MEASURES PROPOSED</b>	

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<ul style="list-style-type: none"> <li>■ First aid facility shall be provided at mine site.</li> <li>■ The area shall not be used at all by general public.</li> <li>■ Fencing shall be provided around the working pit to restrict fall of animal in the pit.</li> <li>■ A Watchman during day &amp; night shall be posed at site to prevent unauthorized entry inside.</li> <li>■ In case of natural hazards such as earthquake we will take assistance from the local</li> </ul>	
<b>Proposed &amp; Existing Plantation</b>	The plantation shall be carried out in 3.87 ha. In the lease area during the lease period. 30 Nos of trees of Babul, Awala Neem are exists in the lease area, <del>which will be protected during the mining operation</del>
<b>Budget proposed for Environment</b>	Capital cost – Rs 67,000.00

**Public Hearing Proceedings:**

S.N.	Name & Address	Raised issues	Comments of the applicant
1	Mamta Bagde, Gaowri Wadoona	The mining which are in operation, no environmental management has been done so far.	After the start of mine PP shall make all arrangement for environmental conservation, and will provide employment to local people and carry out the work with Pachayat for betterment of local people.

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2	Shri Dhanrajji Naranware, Gaowri Wadoona	Health care of the people should be given priority. In past three Public Hearing has been done for other mines, commitment has been made by the proponent but action has been not taken.	PP committed to provide employment to the local people and the health camps shall be organized in the lease area.
3	Sangeeta Godbole Gaowri Wadoona	PP was in favour of the mine but other mine owner M/s Agrawal mine has failed to fulfill their commitment, people are facing the problem from that mine.	After the start of mine PP shall make all arrangement for environmental conservation, and will provide employment to local people and carry out the work with Pachayat for betterment of local people.
4.	Mahdeo Patil Gaowri Wadoona	Houses of PP adjoin the mine and feel the vibration due to blasting. PP has demanded that his living arrangement may be made at any other place.	PP submitted that the mine is 1 km away from Gaowri Wadoona village and muffled blasting will be carried out and all arrangement shall be made for health & safety.

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5.	Kisanrao Divte, Khairitaigown	Village road should be repaired and management should work for environment conservation.	PP committed to provide employment and contribution in development of village. PP also committed to contribute in the repairing of the approach road.
6.	Vasant Kumar Soni, Chairam Lok Jagran Samaj Sevi Sangathan Gram Piplanarayanwar, Sausar	<p><b>Wanted to know the following-</b></p> <ol style="list-style-type: none"> <li>1. What is water table of Gauri Wadoona and what will be the depth of Mine.</li> <li>2. In coming future 10 mines in this area shall be started and it will be in operation for next 5 to 10 years. Due to this water problem shall be occur in village Khairitaigown, Gauri Wadoona, Theenkhedha and parasingha.</li> <li>3. Due to blasting and solid waste how much area of agriculture will be affected and at what distance the villagers will get affected.</li> </ol>	<ol style="list-style-type: none"> <li>1. The Water table in the Gauri wadoona village is approx. 25m and the mining shall be carried out up to 15 m max.</li> <li>2. The proposed mine will not intersect the ground water table therefore mining operation will not affect the availability of water in this region. The villages under questioned are more the 1 km from the</li> </ol>

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		<p>4. During the Environmental Clearance of Arcom Co. we have opposed the transportation practices adopted by them and it is still not rectified.</p>	<p>mine and other mines are operating between the said mine and the villages.</p> <p>3. Blasting affect shall not more then 20m as the muffled blasting shall be carried out by authorized agencies. The solid waste in form of OB shall be dumped in the lease area and used for reclamation after exhaust of one pit. no adverse impact shall occur on the nearby people due to our mine as the nearest habitation are located more then one km from the lease boundary.</p> <p>PP has assured to fulfill the commitment made</p>
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			to the people.
7	Sarpanch, Gram Panchayat Khairitaigown.	10 more mines are proposed in the Gauri Wadoona, and their Road is from Khairitigown to Gaoriwadoona. In future due to transportation problem shall be occur. We wants that Govt. & all the mine owners shall be jointly make a road from out side the village, so the environmental balance shall be maintained.	PP is willing to do so with consultation with other mine owners and Govt. Officers and is also ready to contribute for the developmental activities in the village.

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

1. Budget proposed for Plantation and the Environmental monitoring should be enhanced and revised budget to be submitted.
2. Budget has not been allocated for CSR activities as committed by the PP in the public hearing, the same may be submitted activity-wise. Also PP is required to furnish the mode of disbursement of the funds for CSR activities.
3. Notarized copies of NOC from Gram Sabha and Forest department to be submitted.
4. Permission from Gram Panchayat for drawing water from the village hand pumps and other sources.

**6. Case No. 620/2011 - Mr.Vivekananda Biswal, E.D. STI PowerIndia Pvt.Ltd. 177, Arun Vihar, Sector-29, Noida (U.P.) 201303 - 430 MW Guna Combined Cycle Power Plant Village- Chainpura, Tehsil – Raghogarh, Distt.- Guna (M.P.) [Env. Consultant: Chola MS Services Limited, Chennai] ToR**

This being Gas based thermal power plant with production capacity  $\geq 500$  MW (coal/lignite/naphta & gas based) is covered in the Schedule of EIA Notification under category B and mentioned at S.N. 1(d) of the Schedule of EIA Notification

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2006, and is therefore required to be appraised by the SEAC as per the provisions of the notification. The case was placed before the committee in this meeting. Presentation and submissions made by the PP and his consultant reveals that:

- This is an existing Combined Cycle Power Project with production capacity to the tune of 355 MW. MoEF has granted EC to the project vide letter dated 20/06/1997. The project could not be executed because of non-availability of fuel (Gas).
- Now PP has applied for a fresh prior EC for establishing Combined Cycle Power Project with production capacity to the tune of 430 MW.

**Location:** The project is proposed in the MPAKVN land in Chainpura Industrial Area, Guna (M.P). The land has been allotted to M/s STI Power India (Pvt) Ltd by MPAKVN. M/s GAIL, Vijaipur is 08 Km from the proposed site.

SN	PARTICULARS	DESCRIPTION
1.	Project	Gas Based Combined Cycle Power Project (430 MW)
2.	Total Area	300 Acres
3.	Area for the proposed Power plant	80 Acres
4.	Water reservoir	40 Acres
5.	Colony	20 Acres
6.	Fuel	Natural Gas 465 million m <sup>3</sup> /Year
7.	Project Capital Cost	₹1650 Crore
8.	Fly ash generation	205 TPD
9.	Fresh water demand	12000 KLD
10.	Source of water	River Parvati
11.	Waste water generation	2970 KLD – mainly from Cooling tower blow down (25000 KLD)
12.	Waste water treatment	ETP & STP 120 KLD

After deliberations committee decided to issue additional TOR to the PP to carry out EIA / EMP for the project:

- Commitment from GAIL has to be obtained for supply of required quantity of gas.
- Compliances of the terms and conditions of the EC and consents to be included.

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- Water is proposed to be obtained from River Parvati; permission from irrigation department has to be obtained in this context.
- Approved Disaster Management Plan to be submitted.
- On-site and off-site emergency plans to be furnished with EIA.
- Proposal for the Waste heat recovery to be submitted.
- Comprehensive ambient air monitoring has to be conducted towards Raghogarh RF.
- Distance of site from M.P. - Rajasthan inter-state border has to be validated by revenue department has to be submitted.
- The report should address issues such as – isolated storage of fuel gas, mode transportation of fuel gas etc. along with the appropriate drawings on site/regional map.
- If laying of pipe line for fuel gas is proposed – PP has to submit route of pipe line along with the necessary permissions needed for the same.
- List of surrounding industries with distance to be furnished.
- Clear NOC from Forest stating distances of forest boundaries, eco-sensitive features, notified National Parks etc to be obtained.
- NOC from Gram Sabha to be obtained.
- PP shall be responsible for all the Data generated and /or collected and presented in the reports; an undertaking in this context has to be furnished by the PP.

7. **Case No. 437/2009 - M/s Ashok Goenka, Station Road, Katni, District- Katni-(M.P.) 483501 Baragaon LimeStone & Dolomite Mine, Lease area 5.97 Ha, Pro. Cap.-13000 TPA at Village- Baragaon, Tehsil-Barwara, Distt.-Katni (M.P.) [Env. Consultant- Pollution & Ecology Control Services, Nagpur (MS)]**  
**Query presentation.**

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. This is a mining project of a new mine. Open cast and manual type of mining is proposed. PP has applied for EC. The EIA/EMP was presented before the committee by the project proponent and his consultant on 14/12/2010. PP was recalled for the presentation along with the complete documents. The case was presented by the PP in this meeting. Salient features of the project as revealed from the presentation and submissions of the PP are as follows:

**Land status:** Mining lease has been renewed by M. P. Govt. in for 20 year from 01.12.2005 to 30.11.2025

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**MINUTES OF STATE EXPERT APPRAISAL  
COMMITTEE**

**81<sup>st</sup> MEETING  
12<sup>th</sup> OCT. 2011**

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Village	Khasra no.	Area in Hectares	Ownership status	Present land use	If Acquisition is require, Status of acquisition
Baragaon	111/2, 118 & 119	5.97 Ha	Private / Govt waste land.	Agriculture / Waste land	Lease deed signed validity- 20 yrs from 02/06/09.

Environmental features & their Distance & Location from Lease area	
Forest boundary	RF(549) – 3.0 Km in North
National park Wild life protection act 1982 etc.	None within 10km radius. Bandhavgarh Nat. Park is more 50 Km from the site as per DFO letter dated 15/04/2011.
Interstate boundary	None within 10km radius
Nearest habitat	Village- Amgawan at 1.75 Km
Water body	River Niwar at 500 meters
Ground water table	18-20 meters. The mining shall be carried out up to 13 meters hence shall not intersect the ground water.

PP Submission from the PP: EIA report, Copy Paanchsala, Mining Lease agreement, approved mining plan, Copy of NOC from DFO, copy of NOC from Gram Sabha, copy of Execccutive Summary, Revised EMP / DMP

**Environmental Pollution and EMP-** The presentation and the submissions made by the PP reveal the various environmental consequences are expected from the project. Different environmental consequences & remedial actions proposed by the PP are summarized below:

EMP		
Impact Zone	Type of Impact	Proposed Mitigation Measures
10km radius around the site.	Air	► Following air pollution control measures will be taken to minimize negative impact due to

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		<p>mining activity.</p> <ul style="list-style-type: none"> <li>▶ Regular spraying of water by tanker fitted water sprinkling system over haulage roads.</li> <li>▶ To reduce spread of dust, plantation along the mining lease boundary is under progress and plantation will also be done along haul roads and backfilled area, in 33% area of the total lease area.</li> <li>▶ 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.</li> <li>▶ A good housekeeping will be practiced which will help in controlling pollution.</li> <li>▶ Occasional drilling and blasting will be done with all precaution.</li> </ul>
Within mine premises	<b>Water</b>	<ul style="list-style-type: none"> <li>▶ Existing dumps will be provided with garland drains which joins the settling pit.</li> <li>▶ The accumulated water will be used in mine activities.</li> <li>▶ Domestic waste water will be treated in septic tank and soak pit.</li> </ul>
Within mine premises	<b>Land</b>	<p>Following measures shall be taken to avoid/minimize the adverse effects of ongoing mining activity. :</p> <ul style="list-style-type: none"> <li>➤ Land reclamation will be carried out properly.</li> <li>➤ Proper stabilization of overburden dumps or proper utilization of overburden dumps.</li> <li>➤ Proper and effective top soil management.</li> <li>➤ The OB area shall located in the Southern part of lease area.</li> </ul>

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**Public hearing Issues (Adverse):** Public hearing was conducted on 07/05/2010 at mine premises, Village- Baragaon, Dist Katni (MP). Total 19 people have attended the public hearing. Major public opinion was in favour of the project. People have demanded employment to the local people to which PP has given consent. However, one of the person Shri Budhulal of village Baragaon has raised a demand, the same has been summarized below:

Name & Address	Raised issues	Comments of the applicant.
Shri Budhulal of village Baragaon	➤ Demanded that the vehicles should not pass through the village and a pucca by-pass road should be constructed from mine site to reach the main road.	➤ PP committed that no vehicle shall ply through the village and murram road shall be constructed in consultation with Sarpanch.
Other issues in the Public hearing were related to employment.		➤ PP has committed to provide employment to the local public as & when required.

**Recommendations of SEAC:**

After deliberations the EMP proposed by the PP appears to be satisfactory. Based on the information provided & presented before the committee the case is recommended for grant of prior EC, subject to following special conditions:

1. The vehicles shall not pass through the village & a by-pass road shall be constructed from the site to reach main road with consultation of Gram Panchayat.
2. Lease area has to be fenced to avoid the entry of cattle and other public.
3. Plantation in the buffer zone and along the sides of the road shall be taken up immediately.
4. While appointing local mine workers minimum wage should be paid as per the collector rate.
5. All conditions imposed by the Public Hearing Panel shall be followed.

**8. Case No. 631/2011- Mr. Sunil Moolchandani, M/s Chinnar Reality Pvt.**

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**Ltd. “ Chinnar House” 231, Zone-II, M.P. Nagar, Bhopal (M.P.)** Group Housing Project at Ratanpur Sadak Khsara No. 1051, 1052, 1053/1, 1053/2, 1054/2, 1055/2, 1055/3, 1059/1, 1059/2, 1060, 1061,1062, 1063, 1064, 1065, 1070,1071,1073,1074,1075,1096 Khsara No. 209, 210, 211 ,212, 213, 214, 215, 216,217,218, 219, 220, 221, 222, 223, Teh.- Huzur,Distt. – Bhopal (M.P.) Total Land Area – 11.3620 Ha Total Built Up Area – 99,710.98 m<sup>2</sup> [*Env. Consultant- Insitu Envirocare Bhopal*] . **For Building Construction**

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

- It is a case of construction of Group Housing Township. Documents submitted by the PP and the presentation made thereafter reveal following:

Location of the project	Ratanpur Sadak, Khsara No. 1051, 1052, 1053/1, 1053/2, 1054/2, 1055/2, 1055/3, 1059/1, 1059/2, 1060, 1061,1062, 1063, 1064, 1065, 1070,1071,1073,1074,1075,1096 Narela Hanuma Khsara No. 209, 210, 211 ,212, 213, 214, 215, 216,217,218, 219, 220, 221, 222, 223, at Teh.- Huzur, Distt. – Bhopal (M.P.). The proposed project is out side the Bhopal Municipal Limits.
Total plot area-	11.3620 Ha
Area to be developed	9545668 m <sup>2</sup>
Green Area development	
Total built-up area	99,710.98 m <sup>2</sup>
Facilities	Group houses, primary School & Informal Sector
Cost of the Project	Approx. ₹ Crore
Total population	5750 + 50 (floating population)
Total Water requirement	Operational phase- 857 KLD (Fresh water requirement - 467 KLD)
Source of water	Operational- Bore well (PP has applied for permission from CGWA)
Quantity of waste water	621 KLD
Power requirement	1.9 MW
Back-up power facility	(2X500) kVA Generating Sets
Plantation proposed	In 22.59 % of total plot area.

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STP	Capacity- 500 KLD
MSW-	3.24 T / day
Hazardous waste	Used oil- 1.9 KL/Year
Parking proposed	628 Cars
Floors & height of buildings	18 meters (G+6)

**Deliberations:** The case was presented by the PP with his Env. Consultant. The presentation made by the PP and the documents submitted revealed following details about the project:

**Location of site:** The proposed site is between NH 12 and railway tract. It was reported that the site is more than 50 meters from the railway boundary. The front area of the plot has been showed to be reserved for future expansion & commercial use.

**Details of Land**

SN	Tehsil	Village, District	Khasra No.	Area (Ha)	Ownership	Land use
1.	Huzur	Ratanpur Sadak	1051, 1052, 1053/1, 1053/2, 1054/2, 1055/2, 1055/3, 1059/1, 1059/2, 1060, 1061,1062, 1063, 1064, 1065,	7.262 Ha	In name of Ramesh K. Bhawani, Praveen Chawla , Darshan Chawla & Roshan Chawla	Originally agriculture Converted into Residential

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Member SEAC**

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

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

			1070,1071, 1073,1074, 1075,1096			
1.	Huzur	Narela Hanumant	209, 210, 211 ,212, 213, 214, 215, 216,217,21 8, 219, 220, 221, 222, 223,	4.10 Ha	Roshan Chawla, Ramesh K Bhawani, Smt Sheetal Devi W/o Ramesh K Bhawani	
<b>Note:</b> Joint Venture has been signed and copy submitted. Power of Attorney has been given to M/s Chinnar Reality Ltd. (the Applicant).						

**Documents submitted:**

1. Form-1 & Form- 1(A).
2. Conceptual maps.
3. Copy of Land diversion letter from Town & Country Planning Deptt.
4. Ownership papers: Notarized Copies of Khasra khatoni, Wrin-pustika & Registry in name all the owners.
5. Copy of lay out duly approved from Town & Country Planning Department.
6. Application file for permission from CGWA for abstraction of ground water.
7. Building Permission from Gram Panchayat.

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

1. Re-assessment of water consumption, waste water generation with water balance sheet.
2. Proposed STP is based on Photo-chemical oxidation technology, as the

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- technology is new PP has to submit approval from CPCB / Competent authority regarding its feasibility.
3. Concrete proposal for disposal of MSW has to be submitted.
  4. Permission from CGWA for abstraction of ground water to be submitted.
  5. Exact distance from Railways boundary to be provided along with the NOC from railway department.
  6. Total area reserved for green area development has to be furnished with statement of total area.
  7. Revised EMP as discussed in meeting to be furnished.
  8. Undertaking stating that ECBC guidelines shall be followed.

9. **Case No. 543/2010 - Mr. Umesh Linani, Director, M/s Lifestyle Infratech Ovt. Limited 55, Shanti Niketan, Near Bombay Hospital, Indore(M.P.)** - High rise residential group housing Khasara no. 71/1(part), 71/2, 104, 105, 106/1, 106/2, 107, 108, 109/1, 109/2, 110, 111, 112/1, 112/2, 128(part) at village- Nipania, Distt. Indore

**SEAC Qry 56th meeting dated 25/05/2010 Query presentation**

**Env. Consultatnt:** ENV Developmental Assistance Systems (I) Pvt. Ltd. (S.N. 18 QCI list)

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

The case was presented before the committee in the 56th meeting dated 25/05/2010 during the meeting the submissions & presentations made by the PP and his consultant (please refer the Minutes of the said meeting). Details submitted by the PP reveals following:

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(R.K. Jain)  
Member Secretary



- It is a case of construction of High-rise residential township. Documents submitted by the PP and the presentation made thereafter reveal following:

Location of the project	Khasara no. 71/1(part), 71/2, 104, 105, 106/1, 106/2, 107, 108, 109/1, 109/2, 110, 111, 112/1, 112/2, 128(part) at village- Nipania, Distt. Indore. The proposed project is out side the Indore Municipal Limits.
Total plot area-	4.69 Ha
Total built-up area	88826.52 Sqm
Facilities	High rise township buildings (Max Ht. 45 mts.) for 1036 units
Cost of the Project	Approx. Rs 92.75 Crore
Total Water requirement	Operational phase- 805 KLD (Fresh water requirement - 561 KLD) Construction Phase- 70 KLD from Bore Well
Source of water	Operational- Bore well
Quantity of effluent	653 KLD
Power requirement	3414 KVA
Back-up power facility	1500 KVA Generating Sets
Plantation proposed	In 22.59 % of total plot area.
STP	Capacity- 675 KLD
MSW-	3141 Kg / day
Hazardous waste	Used oil- 250 KL/Year
Parking proposed	1015 Cars
Floors & height of buildings	45 meters (G+15)

PP has informed that following permissions / clearances have been obtained by the PP:

- Land Acquisition & transfer of land in the name PP.
- Approvals from Town & Country Planning.
- Building Permission from Competent Authority.
- NOC from Gram Sabha.
- NOC from IG (Fire-fighting).

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**Deliberations:** The case was presented by the PP with his Env. Consultant. The presentation made by the PP and the documents submitted revealed following details about the project:

**Details of Land**

SN	Tehsil	Village, District	Khasra No.	Area (Ha)	Ownership	Land use
1.	Indore	Nipania, Indore	71/1(par t), 71/2, 104, 105, 106/1, 106/2, 107, 108,109/ 1,109/2, 110,111, 112/1, 112/2, 128(par)	4.69 Ha	Part of the land is name of M/s Sarthak Builders (P) Ltd & part in the name of M/s Life Style. Latter vide order no. 1310 dated 20/05/2009 the complete land has been transferred in name of M/s Life Style Infratech (P) Ltd.	Originally agriculture Converted into Residential

**Salient features of the project:**

Total built-up area	88826.52 Sqm
Facilities	High rise township buildings (Max Ht. 45 mts.) for 1036 units
Cost of the Project	Approx. Rs 92.75 Crore
Total Water requirement	Operational phase- 805 KLD (Fresh water requirement - 561 KLD) Construction Phase- 70 KLD from Bore Well
Source of water	Operational- Bore well (Permission from CGWA)

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	submitted for abstraction of 561 KLD of ground water)
Sewage generation and Management	653 KLD – (shall be treated in the STP)- Treated effluent (522 KLD) shall be used for horticulture flushing and partially shall be discharged into sewer line. Permission for the discharge has been obtained from Gram Panchayat.
Power requirement	3414 KVA
Back-up power facility	1500 KVA Generating Sets
Plantation proposed	In 22.59 % of total plot area.
STP	Capacity- 675 KLD
MSW generation and management	3141 Kg / day (shall be disposed off through Nipania Gram Panchayat on payment basis)
Hazardous waste generation and management	Used oil- 250 KL/Year- (shall be disposed off through sale to authorized re-cyclers)
Parking proposed	1015 Cars
Floors & height of buildings	45 meters (G+15)

**Documents submitted pertaining to land:**

8. Form-1 & Form- 1(A).
9. Conceptual maps.
10. Copy of Land diversion letter from Town & Country Planning Deptt.
11. Letter from Revenue Department (OSD, Land Diversion) Indore regarding transfer of the land in name of PP that is, M/s Life Style Infratech (P) Ltd. from Sarthak Builders (P) Ltd.
12. Ownership papers: Notarized Copies of Khasra khatoni, Wrin-pustika & Registry in name of M/s Life Style Infratech (P) Ltd.
13. Copy of lay out duly approved from Town & Country Planning Department.
14. Permission from CGWA for abstraction of ground water.
15. Permission from Gram Panchayat for disposal of MSW.
16. Permission from Gram Panchayat for disposal of treated waste water into the sewer line.
17. Building Permission from Gram Panchayat.

**Recommendations**

After deliberations committee was satisfied with the EMP and other environment related

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submissions of the PP and decided to recommend the case for grant of Prior Environmental Clearance to SEIAA.

**Project specific conditions**

1. MSW shall be disposed off into the land-fill site of Municipal Corporation Indore through Gram Panchayat, Nipania.
2. Treated waste water proposed to be disposed off into the sewer line should not be more than 200 KLD rest of the treated waste water shall be used in flushing, horticulture and other proposed activities.
3. A School has been reported at about 300 meters away from the site; PP should ensure all protection and environmental safe guards while executing the construction activities and also during operational phase.
4. The construction site shall be provided with adequately barricades of at least 3 m height on its periphery with adequate signage.
5. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
6. All topsoil excavated during construction activities should be stored for use in horticultural / landscape development within the project site.
7. Disposal of debris including the excavated material during construction phase shall not create adverse effect on neighbouring communities and disposed off taking the precautions for general safety and health aspects only at the approved sites with the approval of the competent authority.
8. Use of diesel generator sets during construction phase should be enclosed type and conform to EPA Rules for air and noise emission standards.
9. Vehicles hired for bringing construction material at site should be in good conditions and conform to applicable air and noise emission standards and should be operated only during non-peak hours.
10. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality should be closely monitored during construction phase.
11. Ready made mix concrete should be used so far as possible.
12. Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.
13. Fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
14. Fly ash should be used as building material in the construction as per provisions of Fly Ash Notification under EPA.

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15. Structural design aspects in accordance to the seismic zone shall be strictly adhered to.
16. Environment Management Cell shall be formed, which will supervise and monitor the Environment related aspects of the project during construction and operational phases in addition to observance of Madhya Pradesh Building and other Construction Workers Rules.
17. The applicant shall install and operate their own sewage treatment plant (STP) as per the details submitted to the SEAC. The treated sewage shall be reused /recycled to the extent possible. Discharge of the treated sewage from the STP shall conform to the norms specified by M.P. Pollution Control Board after obtaining necessary permission. The proposed STP has to be checked for the results while operating the STP and if required STP shall have to be modified to optimize the operating parameters, accordingly agreement with STP supplier & operator has to be made.
18. Best available technology (BAT) such as Ultra violet radiation shall be used for disinfection of sewage before reuse / recycle / discharge.
19. Dual plumbing system as proposed shall be adopted for the re-use of treated waste water.
20. Rain water harvesting for roof run-off and surface run-off, as per the plan submitted shall be implemented. Before recharging the surface run off, pre- treatment must be done to remove suspended matter.
21. The green belt along the periphery of the plot shall be provided at least having three tiers of the trees of local species as per the plan submitted. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.
22. The applicant shall explore the application of solar energy & it shall be incorporated for illumination of common areas, lighting of internal roads and passages in addition to solar water heating, if any.
23. The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, etc. and the noise level shall be maintained as per the MoEF / CPCB guidelines / norms both during day and night time.
24. The applicant shall install the electric utilities / devises, which are energy efficient and meeting with the Bureau of Energy Efficiency norms, wherever applicable.
25. The energy audit shall be conducted at regular interval for the project and the recommendations of the Audit report shall be implemented with spirit.
26. The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.
27. The area earmarked as green area shall be used only for greenbelt and shall not be altered for any other purpose. Further, the applicant shall carry out tree plantation activity and shall plant and maintain 1000 trees at an appropriate area in the town in consultation with the Municipal Corporation and local authorities within a period of 5 years.
28. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Necessary signage including continuous display of status of

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parking availability at entry, exit and all other appropriate places shall be provided which should have appropriate size of letters and shall be visible from the at least 50 meter distance from the adjacent road. No public space shall be used or blocked for the parking and the trained staff shall be deployed to guide the visitors for parking and helping the senior citizens and physically challenged people.

29. Common utilities like drinking water facility, Toilets etc. shall be provided on each floor with adequate signage thereof. Adequate distance shall be maintained between the drinking water and toilet blocks.
30. Necessary emergency lighting system along with emergency power back up system shall be provided. In addition, emergency public address system arrangement and signage for emergency exit route shall be provided on each floor.
31. All the statutory clearances such as the approvals for storage of diesel from Chief controller of Explosives, Fire Department, Civil Aviation Department, if applicable, shall be obtained as applicable by the applicants from the competent authorities.
32. Roof should meet regulatory requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirements.
33. Ozone Depleting Substances (Regulation & Control) Rules shall be followed while designing the air conditioning system of the project.
34. Diesel generator sets proposed as back up power shall be of enclosed type and conform to prescribed standards under EPA rules. All exhausts shall be 5.5 m above roof top. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
35. Environment Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project including incremental pollution loads on the ambient air quality, noise and water quality periodically till the management of the project remains with the applicant.

**B. GENERAL CONDITIONS:**

36. The applicant shall use 5 % of its lighting requirement through Solar Energy or any other renewable sources by the fifth year of obtaining Completion Certificate.
37. The applicant submitted that they would be constructing STP and that they would be using "State of the Art" technology for such a facility.
38. The applicant shall retain the Environment Management Cell even after Completion of Project and the liabilities /responsibilities in this regard shall be transferred to the society subsequently which takes up the Maintenance/ Operation/ Ownership of this Project or a part of it.

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39. The applicant shall get the third party monitoring of performance of STP done during construction and operation subsequently. After commissioning of the STP, the third party monitoring shall be done every calendar year.
40. The company shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to MPPCB within three months of receipt of this letter.
41. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
42. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be undertaken and the same shall be used for the various activities of the projects to conserve fresh water.
43. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
44. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as MPPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
45. The project authorities shall also adhere to the stipulations made by the Madhya Pollution Control Board.
46. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
47. The company shall go in for solar power wherein at least 5% of the total powers needs are met from the latter and there should be effort to increase this progressively. The applicant will give study report with a time bound programme for implementation of the same.
48. Provisions for storing of solid waste expected to generate during construction phase have to be made to avoid any accidents at site.

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49. Top-soil excavated during land preparation shall be conserved and used in horticulture etc.
50. Registered Society shall be formed by the PP before leaving the site; it would be the responsibility of the society to abide with the environmental legislations applicable.
51. Hazardous waste (used oil) expected to generate from the DG sets shall be handled as per the provisions of hazardous Waste Rules.
52. DG Set norms as laid down by the CPCB shall be followed by the Operators.
53. In case of any expansion of the project builder shall not execute any sale deeds / agreements without obtaining prior environmental clearance. Any advertisement pertaining to sale of any type of property should address the status of prior environmental clearance and the terms and conditions laid down in the same.

10. **Case No.609/2010** M/s ACC Ltd. Kymore Cement Works P.O. Kymore Distt. Katni(M.P) - Jamuwanikala Limestone Mine at Khasra No. 795, 797, 833, 834, 835, 837, 895 and 986 village –Jamuwanikala, Teh:Vijayrahavgarh Distt. Katni(M.P) Area-08.01 Ha Capacity- 25000 MT/Year [Requested for extension of date] *ToR issued vide letter no. 67 dt. 11/02/11[Env.Consultant- Creative Enviro Services, Bhopal.]* **For –EIA Presentation.**

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 requested to consider the case in coming meeting, hence the committee decided to call the PP in the next meeting.

11. **Case No.610/2010** M/s ACC Ltd. Kymore Cement Works P.O. Kymore Distt. Katni(M.P) Jamuwanikala Limestone Mine at Khasra No. 836, 838, 830, 840 to 853 854/2, 864/2 866, 865 867 to 873 876 to 890 893, 894, 897, 898, 919P, 923P and 926 to 930 vill.Jamuwanikala,Teh:Vijayrahavgarh, Distt.- Katni (M.P.) Area 31.43 Ha. [Requested for extension of date] *ToR issued vide letter no. 69 dt.*

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*11/02/11[Env. Consultant- Creative Enviro Services, Bhopal.] For –EIA  
Presentation*

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 requested to consider the case in coming meeting, hence the committee decided to call the PP in the next meeting.

Meeting ended with thanks to the chair.

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