

The meeting conducted on 2nd March 2012 was presided by Prof. V. Subramanian, in absence of the Chairman. Following members attended the meeting-

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

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

1. Confirmation of minutes of 88th & 89th meetings of SEAC dated 13th and 14th February 2012

The minutes of 88th & 89th meetings of SEAC dated 13th and 14th February 2012 were confirmed and approved.

2. Consideration of the Projects

1. 06 cases were invited to make presentation before the SEAC.
2. Field Visit to see the site of the proposed project of M/s Advance Medical Science and Education Society,136, N.H.-5, Railway Road NIT, Faridabad - (U.P.). Project: Hospital and Medical College Total Plot Area – 25 Acres .at Village - Inayatpur, Teh.- Huzur, Distt.-Bhopal(M.P.) Building Construction (Case no. 512/2010) was taken up by the sub-committee in the post-lunch session.

Deliberations:

1. Case No.657/2011 Mr. Ashish Tiwari, M/s Advance Fertilizers India Pvt. Ltd., 203, 2nd Floor, Indore Trade Centre, South Tukoganj, Indore,(M.P.)- Single Super Phosphate: 1500 TPD (Granulated SSP 500 TPD & Powder SSP 1000 TPD) Survey No.: 7/1,9,6,7/2,& 7/2 (Part), under revenue patwari halka no.:34 and new patwari halka no; 79,Revinu circle no; 2, Village: Yasbanth Nagar, Near Sunkota, Village, Tehsil: Tarana, Distt.- Ujjain (M.P.) **For –ToR Env. Consultant - Not disclosed.**

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. As adequate opportunities have been given to the PP it was decided by the Committee to ask the PP to submit the response latest by 31st March 2012 if he wish to continue with the project thereafter the project shall be returned to the authority for further action.

2. Case no. 666/2012 Sh. R.S. Vijayvargiya, President M/s Khaitan Chemicals & Fertilizers Limited, 3rd Floor, Appolo Arcade, 1/2 Old Palasia, A.B. Road, Indore (M.P.)

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452018 *Khaitan Chemicals & Fertilizers Limited: this is an expansion programme of the existing unit to manufacture Granulated Single Sulphur Phosphate (GSSP) fertilizer for having flexibility to pack SSP fertilizer either in Powder form or in Granular form depending upon the market demand. The proposed capacity: 2X 400 MTPD GSSP Fertilizer plant. at Khasra no. 393-95, 396/1, 396/2, 404/1, 405, 403/1, 403/2 Village- Nimrani, Tehsil – Kasrawad, Distt. – Khargone (M.P.) - **Proposed area : 3000 sq.mt. For –ToR. Env. Consultant – Not Disclosed.***

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in the coming meetings as per turn.

3. Case No. 668/2012 Sh. Roopnarayan Shrivatva, M/s Kachhawaha Minerals Pvt. Ltd., 8, Anupam Nagar, Gwalior (M.P.)

*Badagaon Limestone & Dolomite Mine at Khasra No. 120,121,122,138,139,141, Capacity – 5000 TPA Lease Area- 11.31 ha. Village- Badagaon Tehsil Badwara, Distt. Katni (M.P.) **For TOR Env. Consultant - Not disclosed***

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in the coming meetings as per turn.

4. Case No. 669/2012 Shri Pawan Kumar Ahluwalia, M.D. , M/s K.J. S. Cement Ltd., N.H.-7, Village- Amiliya, Lakhwar Tehsil - Maihar, Distt. - Satna(M.P.) Bhatia Limestone Mine at Khasra No 1014, 1015, 1029, 1031, 1032, 1035, 1036, 1037, 1039, 1040, 1047, 1048, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1103, 1105, 1106, 1107, 11161118, 1121, 1123, 1124, 1125, 1126. Village – Bhatiya, Tehsil – Maihar, Distt.- Satna (M.P.) Capacity - 5.0 lacs TPA, Lease Area - 45.888 ha. **For TOR Consultant – Creative Enviro Services, Bhopal.**

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in the coming meetings as per turn.

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

Neither the PP nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in the coming meetings as per turn.

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6. Case No. 637/2011 - Mr.Mayank Garg, Managing Director M/s D B City Project Bhasker Housing Dev. Co. Pvt.Ltd. Ist Floor, Hotel Gwalior Regency, Link Road, Gwalior (M. P.) -Project: Proposed 1106 Residential Units, Club, Shopping Arcade at Survey No. 573 to 575,579 to 587,590,592,593,595 to 619,621 to 628 and 706 & 708 Village- Mehra, Tehsil-Gwalior, Distt. – Gwalior (M.P.) Total Land Area – 1,06,821.016 Sq.m., Total Built up Area – **1,26,495.00 Sq.m** Project proponent has failed to submit land ownership documents, land diversion certificate and other related documents in favour of D.B. City (Applicant); hence the case was deferred. For Building Construction Env. Consultant – M/s Enviroaid Gwalior (List B-3) (SN. 12)

This is a Project pertaining to development of township Building and Construction projects with total plot area of 108688 Sq.m. (10.86 Hect) and built up area of 126495 sq. m.. Such projects with built-up area between 20000 m² and 1,50,000 m² are covered under the Schedule of EIA Notification 2006 in category B at S.N. 8(b). Therefore are required to be appraised by the SEAC. As built –up area is less than 1,50,000 m² and plot area is less than 50 Ha EIA is not required for the project. The salient features of the project were presented by the PP and his consultant before the SEAC. The submissions and the presentation reveals following:

SN	PROJECT FEATURES	DESCRIPTION
1.	Cost of Project	Approx. 110 Crores
2.	Total Project Area	108688 Sq.m. (10.86 Hect)
3.	Effective Plot Area	106821 Sq.m
4.	Area under Plotted Development	69819 Sq.m.
5.	Area Under High-rise Development	32500 Sq.m.
6.	Balance Non Planed Area for Future Expansion	4502 Sq.m.
7.	F.A.R.	Permissible: 81250 sq.m. (2.50%) Proposed: 71371 sq.m. (2.19%)
8.	Built up Area	126495 sq. m. (FAR : 71371 Sq.m. + Non FAR : 30155 sq.m. + Stilt Area : 10892 sq.m. + Basement Area : 14077 Sq.m.)
9.	Maximum Number of Floors	1 Basements + Stilt Floor + 10 Upper Floors
10.	Maximum Height of Building	33 meters

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12.	Green Area Development	Total Green area 28,365.467 sq. m. (26.55 % of effective plot area) Number of Trees 1100
13.	Total Water Requirement	1081.25 KLD
14.	Fresh Water Requirement	537.50 KLD (Source: Bore Well & Municipal Water Supply)
15.	Waste Water Generation	661 KLD
16.	Capacity of STP	800 KLD
17.	Total Power Demand	4303 KW (5379 KVA) Source: Madhya Pradesh Electricity Board
18.	Power Back Up	250 KVA X 2 DG SETS (DG set will be housed during operation phase to run emergency services such as water supply facility, back up for elevators and Running STP)
19.	Total Population	6695 Persons (Residential: 5836 + Floating: 859)
20.	Solid waste generation	3425 kg/day
21.	Parking Details	Provided Parking: 810 ECS

Rain water Harvesting System proposed in the project -

- ❖ Total Number of Rain Water Harvesting Required Will be 14 PP is Providing 20 Rain Water Harvesting Pits.
- ❖ Dimensions of each of the rain water harvesting pit- With length 4 m, Breath 4 m and depth 3 m.

Environmental Management [during construction phase]**Air environment**

- Dust generation is proposed to be reduced by using sharp teeth for excavation machinery.
- Dust suppression system (water spray) is proposed at construction site and unpaved roads.
- A team of safai karamcharis will be made available to remove dirt/debris from the floor/sites.

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- During transportation, materials shall be covered by tarpaulin sheets.
- All the D.G. sets will have appropriate stack height as per the CPCB guideline.
- Company operated vehicle will go through regular maintenance & pollution check-up.
- Screens will be put up all along the periphery to contain the dust within the premises.

Water Environment

- There will be a need of approximately 100 KLD water during construction period, which is reported to be procured from authorized suppliers.
- Waste water generated by the construction labor during construction phase is domestic waste which shall be disposed in sock pits via septic tanks.
- Proper storage and internal supply facilities shall be developed before undertaking construction activities.
- During construction phase proper bunding will be made to prevent runoff.

Noise Environment

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

Construction Solid Waste Management

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

Environmental Management [during operation phase]

Air environment

- All the DG sets shall have appropriate stack height as per the CPCB (0.2 X √ KVA from the roof top) guidelines.

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- Proper ventilation system shall be provided to all part of the work areas.
- All operational vehicles will go through regular maintenance and pollution check up.
- All the private vehicles will be asked to have updated PUC (Pollution Under Control) certificate.
- In addition, to minimize the noise generation and dust suppression sufficient green belt area (28365.456 sq. m.) has been earmarked, which is 26.55% of the effective plot area. Plantations would be of large leaf trees that provide adequate shade and are semi-evergreen to evergreen. Local and ornamental trees will be planted.

Water Environment

- The total water requirement for the proposed project is 1081.25 KLD, which includes fresh water (537.50 KLD) and recycled water (543.75 KLD) and waste water generated from the project will be about 661 KLD, which shall be treated in STP of Capacity 800 KLD.
- The treated water obtained from STP will be 628 KLD out of which 255 KLD will be utilized for the purpose of green area development, 288.75 KLD for flushing of toilets and rest 84.25 KLD Excess Treated Water will use in Irrigation of our Own adjoin land.
- The waste water generated will be treated in Sewage Treatment Plant by Primary, Secondary Treatment and Tertiary Level
- Rain water harvesting system will be established within the premises to recharge ground water and this will stop excess drainage out-side the project.

Noise Environment

- Proper road network has been designed as per the prevailing guidelines for smooth operation of traffic; impact in noise level due to the operational traffic will be negligible.
- All the DG sets will be as per the E(P) Rule and noise level from the DG sets will be as per the prevailing standards. The sound control system designed to suppress the sound level to 75 dB maximum at 1 meter distance in open free field environment as per ISO 8528 part 10.
- D.G. sets will be kept in acoustic enclosures & will be built in Damper for anti-vibration and will be used during event of power failure only
- The landscape deign along the periphery of the plot has been developed to achieve attenuation factor conforming to noise standards.
- The open spaces inside the plot is suitably landscaped and covered with vegetation to reduce the impact of noise.
- Provision of silencer, padding at equipment / machinery used during construction to modulate the noise generated.
- Provision of protective device like ear muff/plugs to the workers.
- Regular maintenance of vehicles & machinery would be taken up.

Solid Waste Management

- The total domestic waste will be 3425 Kg/day (Residential: 3210 Kg/day + Floating: 214 Kg/day)
- Solid Waste Generated from Residential population will be 3210 kg/day (Base of calculation@550 gm/person/day for residential population).
- Solid Waste Generated from Floating population will be 214 kg/day (Base of

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- calculation@250 gm/person/day).
- Biodegradable & Non-Biodegradable waste will be segregated at source in accordance with MSW (M&H) Rules, 2000.
 - The garbage will be segregated in different colored bins within the campus.
 - The biodegradable waste will be used for Vermi - Compositing.
 - The non-biodegradable garbage will be sent to Municipal Corporation collection point.
 - The fully covered MSW storage bins will be placed at locations which are easily accessible to all.
 - The hand driven carts shall deliver the MSW from residential blocks to storage bins and from storage bins to main waste collection point.
 - The main waste collection point shall be near the back gate of the campus from where transportation vehicle will daily collect the wastes for disposal.
 - 32 sets of three bins each of 30 kg capacity will be placed at 32 different locations in the campus for solid waste collections.
 - Each set will have bins of three colors with green bin for biodegradable waste, white for recyclable waste and black for other type of waste.
 - The MSW collection centre will be at the back gate of the campus where three covered bins of green white and black color will be placed for collection from the campus and for final transportation for disposal.

Green area

- Green area will be developed in an area of 28365.467 sq. m. (Approx. 26.55%) of the total plot area.
- It has been proposed to plant large leaf trees for roadside plantation along with lawns & other green areas.
- 1100 Trees will be plant within the site as green belt development along with the roads.
- 50% of trees planted shall be evergreen and 50% shall be semi evergreen.

Fire & Safety Management proposed

- Fire Fighting Designed: As per National Building Code (NBC) 2005.
- Fire System shall cover the following:
 - (i) External Fire Hydrant System
 - (ii) Wet Riser System
 - (iv) Portable Fire extinguisher
 - (v) Sprinkler System
- Fire Tender route will be given with access to each Tower.
- Provision of fire escape staircase.
- External yard hydrants in galvanized steel fire hose cabinet (weather proof).
- Fire Sprinklers & Fire Alarm system.
- Fire fighting equipments will be divided into water & Foam based fire fighting depending upon the nature of fire Sand buckets will be placed on ground floor of the building.

Emergency preparedness plan

- ❖ On site emergency preparedness plan :
- Emergency Control Room will be provided, which will have public address system,

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- safety alarm and display of Emergency phone nos. (Includes phone number and address of nearby hospital, fire station, police station, public help service etc.)
- Mock drill in every six months to check the working of all emergency services.
 - Training to all occupiers for different type of emergencies.
 - Periodic maintenance and checking of all equipments.
 - ❖ Off site emergency preparedness plan :
 - Awareness programme will be conducted with the help of local NGO's
 - During the mock drill training, some of the local responsible people will be also be participated and will be given training for the emergency preparedness.
 - Nearby fire station, hospital, police station and local helpline will be displayed in the surrounding area for the better contact.

Environmental monitoring plan (operation phase)

Source	Monitoring Location	Parameters to be Monitored	Frequency
DG set emissions	DG stacks	PM, SO ₂ , NO ₂	Once in three months
Ambient Air Quality	At 1 location at boundary of the project site.	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂	Once in three months
Ambient Noise	At 1 location at boundary of the project site.	Day and night equivalent noise level	Once in three months
Ground water	At 1 location nearest to the project site.	As per standards	Once in three months
Soil	At 1 location outside the project site.	As per standards	Once in three months

It was reported by the PP that the proposed project involves land of two owners namely- Bhasker Housing Development Co. (P) Ltd. (Total area- 5.017 Ha) and Alok Housing Girah Nirman Samiti (Total area- 5.852 Ha), both the lands are adjacent and continuous. A Joint Venture has been signed between the two owners for the proposed project under the name D.B. City. As per the conditions of the Joint Venture reveals that Bhasker Housing Development Co. (P) Ltd. shall be responsible for all legal proceedings. PP has submitted copies of the following documents:

- Ownership documents of: Bhasker Housing Development Co. (P) Ltd. and Alok Housing Girah Nirman Samiti.
- Approval from Town & Country Planning.
- Building permission from Municipal Corporation Gwlior.
- Conceptual Plan.

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- Copy of Joint Venter
- Application to CGWA for abstraction of ground water.

After deliberation PP was asked to submit following information with supporting documents there after PP shall be called for presentation on the queries:

- It was observed by the committee that a nalla is passing from near the proposed site; Committee desires to know the following facts about this feature- its origin, termination, total length and other relevant details including the distance of the nalla from the project boundary.
- Surface drainage map in the appropriate scale has to be furnished.
- Proposed protection measures for protection of the nalla to be furnished.
- Area break-up including the green area to be submitted.
- Height of the buildings is reported to be 33 meters; in this context the PP is required to furnish following information with supporting documents justifying the guidelines issued vide O.F. of MoEF no. 21-270/208-IA.III dated 07/02/2012 - width of road (right of way), NOC from fire department, distance from location of fire station, NOC from state Disaster Management Authority.
- STP: A write-up of the proposed STP with design details to be furnished.
- It was reported by the PP and his consultant that similar STP is in successful operation in one of the project at Indore; Committee decided to visit the project through its sub-committee to observe the performance of STP. The visit was decided for 08/04/2012 just before the meetings scheduled for April 2012.
- MSW & sludge is proposed to be disposed off at the MSW disposal site of Gwalior Municipal Corporation; agreement / consent of GMC along with the financial implications to be submitted in this context.
- A corpus fund should be created for execution of environment related obligations, accordingly plan to be submitted.
- Permission from CGWA for abstraction of ground water to be submitted.

PP may be called for a presentation on above issues after the reply is received by the SEAC.

Meeting ended with thanks to the chair.

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