

The meeting conducted on 8th November, 2011 was presided by Shri S.C. Jain, Chairman. Following members attended the meeting-

Shri K.P. Nyati, member
Prof. V. Subramanian, member
Dr Mohini Saxena, member
Shri A.P. Srivastava member

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

1. Confirmation of minutes of 81st & 82nd meetings of SEAC dated 12th & 13th October 2011

The minutes of 81st & 82nd meetings of SEAC dated 12th & 13th October 2011 were confirmed and approved.

2. **Policy decision:** It was observed by the committee that during last two months the finalization of minutes was delayed as the minutes are dispatched only after signature of all the members. As per notification the minutes should be displayed on the web-site within a period of 05 days from the date of meeting; hence it was decided by the committee that minutes shall be finalized by the local members & conveyed to the out-stationed members through e-mail. The out-stationed members shall send their response within 02 days so that finally the minutes can be displayed on site timely.

3. Consideration of the Projects

07 cases were invited to make presentation before the SEAC. Query presentation for 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, was also allowed to make a presentation on query with permission of Chair.

Deliberations:

- 1. Case No. 640/2011 –G.M. (Environment) M/s Western Coalfields Ltd. Bhajpani Opencast Patches PENCH Area, WCL, P.O. - Parasia, Distt.-Chhindwara- M.P.** Open cast mine proposed for extraction in Small patch with a peak production capacity of 0.15 MTPA within the lease area of 56.685 ha. at Village & Panchayat Bhajpani, Tehsil - Parasia, Distt -Chhindwara- (M.P) Env. Consultant - Not disclosed Presentation for TOR

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

Mining lease area of >150 ha to >5 ha in respect of coal mine are included in the EIA Notification 2009. These projects are motioned at S.N. 1 (a) Col B. Hence are required to obtain prior EC from SEIAA. The PP has submitted form -1 along with the essential documents. The case was considered for issue of TOR in the 83rd meeting of SEAC for issue of TOR to carry out EIA/EMP. Project proponent with his consultant presented the salient features & location aspect of the project which reveals following:

The proposal is for mining of open cast patches of coal. The proposed mine is in Pench Area surrounded by other coal mines of WCL.

Mine Location

Tehsil : Parasia (Site is located 11.5 Km from Parasia Town)
District : Chhindwara
Latitude : 22°12'45" To 22°13' 00"n
Longitude : 78°42' 15" To 78°43' 30"E
Elevation : 770 To 780 M above Msl
Water Bodies : River Pench 5 Km from site
Land Area : 56.685 Ha. (Govt. Land – 28.759 Ha and Agri land (private) - 27.926 ha)

Inter-state border: is reported to be more than 10 Km.

National Park / Centaury: Satpuda – 45 Km and Pench Tiger reserve - 65 Km.

Other details of the project are as follows:

Stripping ratio: 5.6, Seam: 2.5 to 4.0 meters. Mineable Reserves reported to be 0.43 Million Tonnes, with total OB to be excavated – 1.676 Million Cubic meter. The peak production capacity shall be 0.15 Million Tonnes Per Annum. The life of mine is approximately 4 years. The grade of coal is 'D/E' with ash contents: about 30% (Power grade). PP proposed the TOR to carry out EIA / EMP.

After deliberation committee has decided to approve TOR with inclusion of following additional points to carry out EIA / EMP report:

- The project involves acquisition of some private agriculture land, in view of the same PP shall explore the possibilities for reclamation of agriculture land and returning the same to the farmers.
- The EIA report should address the no. of patches, their locations on lay out, area of each patch and cross-section of the patches.
- Details of the reclamation plan of the patches.
- R&R plan for the agriculturists & other affected should include the policy of the company detailing the CSR activities.
- Status of the existing mining operations in the surrounding to be addressed in EIA report in form of inventory.
- OB generation in the proposed mining is too high hence complete

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

management plan to be given for existing as well as proposed OB.

- Preventive measures taken to avoid dumping of OB over the surfaces of under-ground mines have to be furnished.
- Inventory of the episodes pertaining to subsidence and ground water depletion in the region has to be prepared for last 10 years.
- Back ground quality of the ground water is reported to be adverse which is likely to deteriorate further – plan for improvising the water quality to be included in the EMP.
- Mode of transportation up to the railway track has to be furnished.

2. Case No. 641/2011 - Mr. Manish Nayak, M/s Suryavansham Mining & Minerals Pvt. Ltd. 67/2, Patrakar Colony, Indore Distt.–Indore (M.P.) Expansion of production capacity of Mineral: 5000 MTPA Manganese Ore to 9.0 lac TPA Manganese Ore, Iron Ore & laterite , Lease area - 5.0 ha. at village Mansakra, Tahsil- Sihora, Distt. – Jabalpur – (M.P.) **Env. Consultant - Not disclosed. - Presentation for TOR**

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 had requested for considering his case in the meeting scheduled for 9th November 2011. With permission of the Chair the committee decided to call the PP in the meeting scheduled for 09/11/2011 as requested by the PP.

3. Case No. 642/2011 - Mr. Rajendra Joshi, Project Manager, (Dewas Tractor Project) M/s John Deere India Private Limited, B- 39, Shalimar Township, Naranjapur, A. B. Road, Indore (M.P.) Building Construction of M/s John Deere India Private Limited, Tractor Plant, Capacity- Agricultural Equipment; Agricultural Tractors (Nos): 50,000 per yea, Drive Trains (Nos): 7,000 per year at Survey no. 501, Village- Khatamba Tehsil - Dewas, Distt. – Dewas (M.P.) **Total Built up Area - 32000 Sqmt. Env. Consultant – Tata Consultance Engg., Mumbai (M.S.) Building Construction**

This project pertains to construction of building for Manufacturing of Agricultural Tractors / Farm Equipments. Production of the above products is not covered under the purview of EIA Notification 2006. However, as the total built-up area in the project is more than 20,000 m² the PP has applied for prior EC under the category 8(a) of the schedule of EIA Notification.

The PP presented baseline studies, Water Management, Air Quality Management, Power & Energy Conservation plan, Solid Waste Management plan, Green Zone Development plan & CSR Plan before the committee. During presentation it was

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

reported by the PP that no critically pollutes area, ecologically sensitive zone, and inter-state boundary falls within 10 Km radius around the proposed site.

Location aspect:

Location	Village Khatamba, Post - Jamgod, Tehsil & District – Dewas,
Total Land Area	94 Acres (38 Ha)
Built up Area	36,490 m ²
Proposed Activity	Manufacturing of Agricultural Tractors / Farm Equipments
Plant Capacity	50,000 Tractors Annually
Power Requirements	Construction Phase 500 KVA
Water Requirements for Construction	50 KL / day – Shall be sourced from private authorized tankers.
Water Requirements during operation phase	400 KL / day – Shall be sourced from Welspun pipeline agreement submitted.
Construction activities	Earthwork – Land leveling (Cutting & Filling - 4.5 lakh m ³) Foundation work, Civil work, Road construction
Structures	Production buildings, Utilities, Auxiliary buildings, Roads, Parking
Treatment plant Capacity	ETP – 210 KLD, STP – 80 KLD
Green zone	Land preparation, Plantation, Irrigation facility 33% of total area (31 acres) will be reserve for plantation/green.
Production process	Assembly, Painting, Testing, Storage

Submission –

1. IEM from Govt. of India, (Ministry of Commerce & Industry Deptt. Delhi)
2. NOC from Gram Panchayat - Khatamba,
3. Land Ownership documents: with notarized copies of all registries.
4. Land diversion orders.
5. Agreement with M/s Welspun for supply of water.
6. Form 1, 1(A) with Conceptual Plan.
7. Detailed EMP including design, drawing of ETP& STP.

Committee was satisfied with the submissions of the PP in context to the EMP and other aspects. After the deliberations PP was asked to submit response to the following queries along with the supporting documents:

1. Quality of raw effluent is shown to be inconsistent in the report and in the presentation the same has to be clarified. Source of waste water along with main contributors of high BOD & COD has to be clarified.

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

2. Mode of procurement of the materials for production to be furnished.
3. Copy of agreement for water supply between Welspun and the Government to be furnished.
4. Possibilities for reuse of treated effluent in the process have to be explored and reported. Disposal of treated waste water during rainy season has to be explained.
5. Status of the permission for construction of approach road to be submitted.
6. The proposed industry is expected to generate various hazardous wastes; storage area for the hazardous wastes has to be shown in the lay out which should be sufficient enough for storage of hazardous wastes for at least one month.
7. Plantation scheme including the species & plantation schedule to be submitted.
8. PP has to assure that no disturbance whatsoever is caused to adjacent area specially to Residential School & Academy during construction and operation of the industry.

4. Case No. 545/2010 - M/s Smt. Shakuntala Kasal Ward No. 13, Rain Road Wara seoni, Distt-Balaghat-M.P. Manganese ore mine 6.985 at Village Hathoda, Teh- Katangi, Distt.- Balaghat-M.P. ToR issued vide letter no. 13 dt. 13/01/11 Env. Consultant - Creative Enviro Services, Bhopal. EIA presentation.

This is a case of production enhancement from 1000 MT/Year to 9720 MT/Year without change in area. The project was issued prior EC by MPSEIAA vide letter dated 29/07/2009 Mining Lease period is from 07.10.2008 to 06.10.2028. As the mining of minerals is covered under the EIA Notification at SN 1(a) of the schedule, the project is required to obtain prior EC. PP and his consultant presented the salient features of the project which are summarized below:

Location aspect of the site:

Geological Location	Latitude – 21°27'58" - 21°38'02"N Longitude- 79°48'15" -79°48'24" E
Location of Mine	Village- Hathora, Tehsil- Katangi, Dist.- Balaghat (MP)
Nearest Highway	Tumsar – Katangi state Highway - 1.5 km
Nearest Village	Hathora - ESE - 0.3Km
Hills/Valley	None within 10km radius
Ecological Sensitive Zone	None with in 10km radius
Inter-state boundary	Maharashtra border is 11 Km from the site – as per the letter dated 04/11/2011 issued from Mining Officer Distt. Balaghat
Historical Place	None with in 10km radius

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

Reserve Forest	Kapurwihiri RF – S – within 250m Mohgaonghat RF – SE – 1.25 km Garra south RF – NW – 0.4km Chandpur RF – SSE – 8.0km Phulchur RF – SE – 7.25km
River/nalla	Bawanthari River – SSW – 5.3 km Biloni Nadi – W – 3.25km Katang Nalla – NE – 8.0km Nahlesra Main Canal – N – 7.5km
Altitude	100-97m mRL
Jurisdiction of Mine	Own Agricultural Land & Private Land

PP presented the compliances of the terms and conditions of earlier EC and detailed EMP which appears to be acceptable to the committee. Public Hearing issues were also discussed in length. Public hearing was conducted on 23.07.2011 at Gram Panchyat Office, Village- Hathora Dist Balaghat (MP). Total 40 people have attended the public hearing public. Opinion in general was in favour of the project. Committee was satisfied with response of PP towards the public hearing issues.

Documents submitted by the PP:

- Copy of letter from Mining Department showing distance of site from Inter-state boundary.
- Permission from the Collector for mining (Bhoo-pravesh).
- Copy of papers pertaining to execution of R&R Plan from SDM Court Baraseoni, Distt. Balaghat.
- NOC from Gram-Sabha.
- Copy of Mining Lease.
- NOC from Forest Department.

After deliberation committee is of the opinion that the compliance report for the EC and consent conditions may be called from the MPPCB through its Regional Office before recommending the case for grant of EC.

5. Case No. 643/2011 – Mr. Saroj Kapoor, C/o M/s Krishna Homes 5,GF Block-K-20, "Green City" Arera Colony,Bhopal (M.P.) – 39 Rhythm Towers (Krishna Pinnacle) of M/s Krishna Homes at Bawadia Kalan, PH No. 42/50, Misrod Road, Bhopal (M.P.) Total Area - 35640 sq. mt. Total Build Up Area – 90383.22 sq. mt .for Residential Building, Club House and Schoolmen. Consultant – Creative Envirotech Bhopal - Building Construction.

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

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

- It is a case of construction of High-rise Residential buildings, club house and school. Documents submitted by the PP and the presentation made thereafter reveal following:

Name of the Developer	Smt Saroj Kapoor, M/s Krishna Homes, Bhopal
Total Plot Area	35640 sq mt
Total Built up Area	90383.22 sq mt
Total Project Cost	Rs 68 Crores
Dwelling Units	Residential Flats: Total 800
Maximum height of the Buildings	30 meters
Location of Project	Village- Bawadia Kalan, Misrod Road, Bhopal (MP)
Patwari halka No	42/50
Land ownership	Own Land – in name of Smt Saroj Kapoor W/o Shri D.K. Kapoor.
Geological Location	Lat 23010'58.34" N and Long 77027'22.36" E
Altitude of the Site	465 AMSL
Permission from T & CP	Obtained
Permission from High Rise Committee	Obtained
Criteria	Details
Nearest Highway	NH - 12 ~ 0.50 Km
Nearest Railway Station	Habibganj Railway Station (~ 5km)
Nearest Airport	Raja Bhoj Airport (~ 22 km)
Seismic Zone	III
Annual avg. Temperature	Max. 45.0 & Min. 6.00
Annual avg. Rainfall	1150 mm
Topography	Plain
Land use pattern	Commercial & Residential

Propose to establish eight residential tower each having 10 floor at Hoshangabad Road, Bhopal.

- Total Number of Flats : 800 no (600+60+120+20)
- Parking Area : 13050 sq mt
- Nursery school : 800 Sq mt
- Club House : 410.90 Sq mt

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

Statement of Areas

S No	Particular	Proposed
1	Open Area	10692 sq mt (30%)
2	Services Area	364.23 sq mt (1.03%)
3	Maximum Far	1:2.50
4	Road & Circulation Area	20711.97 sq mt
5	Maximum Ground Coverage	30% (Maximum)
6	M O S Maximum Distance between Two Blocks	Front – 15 mt All side 6 mt 10 mt
7	Maximum Height	30 M + Stilt

Total Water Requirement	564 KLD
Total Waste Water Generation	508 KLD
Total Fresh Water Requirement	371 KLD
Power Requirement	403 KVA
Back up Power facility	1 DG sets of 250 KVA
Solid Waste (MSW)	800 KG per day
Parking Space	23910 Sq Mt for 739 Cars

- STP Capacity: 525 KLD - based on aerobic suspended growth process and used in the secondary treatment effluent/sewage treatment plant has been proposed.
- Fire Fighting Measures shall be provided which include- Overhead Fire storage tanks as per NBC 2005, Fire Hydrant System, Automatic Fire Alarm System, Hydrant pumps, Sprinkler pumps & Jockey pumps, Hand Held Fire Extinguishers' Trolley mounted CO2 system, Automatic Sprinklers System, Wet risers, Fire Extinguishers, Hose Reel.

Documents submitted by the PP:

- ❖ Permission for high rise building from Commissioner Bhopal.
- ❖ Permission from CGWA for abstraction of 128 KLD of ground water.
- ❖ Permission from Town & Country Planning Deptt.
- ❖ Form-1, 1(A) & Conceptual Plan.

After deliberations committee has asked the PP for submission of response for the following queries with supporting documents:

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

1. Fresh water requirement is not consistent in form 1(A) and the presentation the same has to be clarified.
2. Notarized copy of land ownership documents to be submitted with clear title.
3. Source and permission from the concerned agency for the balance quantity of water required for the project.
4. NOC from Railway department.
5. Quantity of MSW has to be reassessed and agreement with Municipal Corporation for the disposal of the same has to be furnished.
6. Green area proposed in the project has to be submitted on lay out map showing percentage covered under green.
7. Building Permission from competent authority to be furnished.
8. Lay out plan showing the locations of STP and MSW collection points.
9. Commitment to follow ECBC guidelines, highlighting the applications.
10. Use of Solar energy in street light / geysers shall be explored and proposal to be submitted.

6. Case No. 619/2011 – M/s KJS Cement, Village –Amilia – Lakhwar Teh. - Maihar, Distt- Satna (M.P) Pin - 485771 Bhatia Limestone Mine at Vill. - Bhatia, Area-10.431 ha. Capacity- 0.60 lac TPA Teh.-Maihar,Distt.- Satna (M.P.) TOR issued vide letter no 79 dt. 11/02/11 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. PP and his consultant presented the EIA / EMP reports before the committee. Nearest Village is Bhatia 1.0 km in West. Nearest Highway is Jabalpur –Varanasi NH-7 at 1.5km from the site. Type of mining proposed is opencast and fully mechanized. Nearest river is river Tons at 8 Km from the site. It was reported that no wild life sanctuary / National Bio-sphere Reserve, Inter-state border is located within 10 Km radius of the proposed site. It was also reported that no litigation is pending against the project. Other features of the project are as follows:

Location aspect:

Production Capacity	1,00,000 MT per Annum
Jurisdiction of Mine	Own & private Agricultural & Stony waste Land
Lease period	29.05.2002 to 28.05.2022
Location of Mine	Village- Bhatiya, Tehsil- Maihar, Dist.- Satna (MP)
Lessees	M/s KJS Cement Ltd., Maihar, Satna (MP)

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

Altitude	331-328m AMSL
Geological Location	Latitude – 24o17'47"- 24o18'3"N Longitude- 80o53'31" -80o53'55" E
Nearest Highway	NH-7 at 2.0 km
Nearest Village	Bhatiya in NW at 1.3Km
Hills/Valley	None within 10km radius
Ecological Sensitive Zone	None with in 10km radius
Reserve Forest	None with in 10km radius
River/nalla	Tamas/Tons River - NW - 8.5km Bakali Nalla - W - 0.5km
Mines	6 no.

Conceptual plan proposed by the PP:

Items	Existing	At the end of lease period
Total lease area	10.431 ha	
Total Mineable area	7.88 ha	
Ultimate depth of mining	10m bgl	10m bgl
Ultimate pit slope	45 degree	45 degree
Area under dumps	0.275 ha	Nil
Area under pits	3.90 ha	7.88 ha
Overburden quantity	5000m3	240742m3
Area to be reclaimed	0.5 ha	3.90 ha
Infrastructure & Road	0.20 ha	0.10 ha
Mineral storage	Nil	Nil
Plantation	0.55 ha	6.351 ha
Water reservoir	3.90ha	3.98 ha

Public hearing

Public hearing was conducted on 27.07.2011 at Govt. Middle School, Village- Bhatiya Dist Satna (MP). Total 84 people have attended the public hearing. General public opinion was found to be in favour of the project.

After deliberations committee has asked the PP for submission of the response to the following queries:

1. All polluting activities including the operating / proposed mines in the 10 Km radius around the site have to be inventoried and furnished.
2. CSR with special reference to Bhatia Village and surrounding area has to be

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

- furnished with proposed activities and budgetary provisions thereby.
3. Notarized copy of Mining Lease in the name of company to be furnished.
 4. NOC from gram sabha.
 5. NOC from Forest department in prescribed format.
 6. Undertaking regarding use of authentic data in the EIA / EMP report.
 7. Executive summary of the report.
 8. Mode of transport of mineral mentioned in the EIA report does not appear to be feasible the same be clarified.
 9. Transportation route to be submitted on map.
 10. Plantation scheme with species, schedule and budgetary provisions to be submitted.

7. Case No. 646/2011 - Sr. President (Works) M/s Prism Cement Limited " Rajdeep", Rewa Road, Satna (M.P.) - 485001 Bandarakhia Limestone mine, Capacity- 0.24 million Tonnes per year, lease area- 40.236 ha .at village – Bandarakhia, Tehsil – Rampur Baghelan, Dist.- Satna (M.P.) Env.Consultant-Creative Enviro Services, Bhopal. **Presentation for TOR**

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

Salient features of the project as revealed from the submissions made by the PP are as follows:

lease area	40.236 ha
Production capacity	2,40,000TPA
Promoters of the Project	M/s Prism Cement Ltd.
Location of Project	Village-Bandarkha, Rampur Baghelan , Dist. Satna (MP)
Occupancy	Govt. waste land (0.048ha) Pvt. land (40.188ha)
Lease Period	20year
Geological Location	Latitude- 24o34'20" N - 24035'7" N Longitude - 80058'37" - 80059'24" E
Altitude of Site	Average Elevation- 292-287AMSL
Other Existing mines	1. Hinouti & Sijhatta-1 – 772.067ha 2. Hinouti & Sijhatta-2 – 99.416ha 3. Mendhi – 117.594ha 4. Bagahai – 512.317ha
Nearest Highway	NH 75 at 2.0 km- S

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

Nearest Village	Bandarkha - Adjacent to lease
Interstate Boundary	None in 10km radius
Hills/Valley	None in 10 km radius
Ecological Sensitive Zone	None in 10 km radius
Historical Place	None in 10 km radius
Reserved Forest	Jamori RF - 1.5 km-NW Sathari RF - 4.5km-ENE Naru PF - 9.0 km- SW
River/Nalla	Tamas River - 0.05 km-N Nar Nadi - 4.0 km -E Simrawal Nadi - 9.0 km - N Magardaha Nalla - 0.250 km-W Dila Nalla - 7.0km -E Badkhar Nalla - 6.75km -WSW

After deliberations it was observed by the committee that the site is located very close to river and habitat. Hence committee decided to examine the site through sub-committee visit before issuing the TOR. The visit shall be clubbed with the site visit planned for Katni and Jabalpur area.

8. 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] Query reply Presentation

The case presented before the committee in the SEAC meeting dated 12/10/2011 whereby the committee asked the PP to submit response to various queries. PP submitted the query response and requested for a presentation on the same. With the permission of Chairman and consent of members the PP was allowed to make the query response presentation. After presentation on the following points

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.

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

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.

It was submitted by the PP that:

- ❖ The provision of ETP has been with drawn as the same is not required' only thickener shall be used for recovery of water and the recovered water shall be sent back into the process and thickened material shall be sent to the filters for solid liquid separation & liquid from the filter will be collected and re-circulated hence no treatment is required as the whole water is re-circulated.
- ❖ This is a rock phosphate beneficiation plant no emissions are expected from process hence no scrubber will be installed.
- ❖ Tailings shall be sold to M/s Madhya Bharat Phosphate (P) Ltd. for use as filler in SSP- copy of agreement has been submitted.
- ❖ PP has submitted a copy of analyses report from Shriram Institute for Industrial Research with respect to uranium content in ore. A copy of analyses report from BARC has also been submitted by the PP for the rock phosphate analyses of same mines.
- ❖ Regarding prevention of contamination from Leachate it was submitted by the PP that raw material will be stored in covered shade with RCC /PCC flooring.

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

1. Total water requirement shall not exceed 180 KLD as per the proposal submitted, 100% waste water shall be re-cycled in the process. No water shall be discharged outside the premises.
2. A latest analysis for uranium has to be carried through BARC in the Rock Phosphate and Beneficiated ore & shall be reported to MPPCB. If radiation is

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC

- found more than the permissible limit the corrective measures shall be taken in accordance to the recommendations of BARC.
3. Garland drain surrounding the raw material storage area has to be constructed which shall be connected to the recycling system. Efforts shall be made to make use of the rain water harvested.
 4. Tailings generated from the process shall be sold to SSP plant & also used for brick manufacturing / building material as per the proposal submitted. Storing / dumping of this waste should be avoided, however if stored or dumped the ground water monitoring of the area has to be carried out periodically in consultation with MPPCB.
 5. Concentration of fluoride has to be monitored in the ground water on regular basis.
 6. Dense green area (not less than 33% of the total plot area) shall be developed all around the site especially in the predominant wind direction.
 7. Occupational health check-up camps shall be organized regularly and records of health of each and every worker should be maintained at site.
 8. National Ambient Air Quality Standard issued by the Ministry vide GSR No. 826 (E) dated 16/11/2009 shall be followed.
 9. Secondary fugitive emissions from all sources shall be controlled within the latest permission limits issued by the Ministry and regularly monitored. Guidelines / Code of practice issued by CPCB shall be followed.
 10. Regular monitoring of influent and effluents surface, sub-surface and ground water shall be ensured and waste water shall be re-cycled in the process. Leachate study for effluent generated & analyses should also be regularly carried out and report submitted to ministry and MPPCB.
 11. Risk & Disaster Management Plan along with the mitigation measures should be prepared and copy shall be submitted to Ministry & MPPCB.
 12. At least ₹ 5.0 Lac shall be spent towards the CSR activities.

Meeting ended with thanks to the chair.

(S.C. Jain)
Chairman

(V. Subramanian)
Member SEAC

(Dr Mohini Saxena)
Member SEAC

(K.P. Nyati)
Member SEAC

(A.P. Srivastava)
Member SEAC