

The meeting conducted on 11th October 2012 was presided over by Shri S.C. Jain. Following members attended the meeting-

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

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

Consideration of the Projects

Following projects were taken up for discussion:

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

Env. Consultant – Grass Roots Research & Creation India (P) Ltd. Noida (U.P.)

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

- 2. Case No. 481/2009** M/s Birla Corporation Limited (Cement Division) P.O. – Birla Vikas, Satna, Distt. – Satna (M.P.) 485 005 Proposed Captive Thermal Power Plant 35 MW (Cement Division) Project at Village – Bela, Tehsil – Raghurajnagar, Distt. – Satna (M.P.) For – EIA Presentation-

[Env. Consultant: M/s J.M. Enviro Net Pvt. Ltd. Gurgaon (Haryana).]

This is a case of Captive Thermal Power Plant (35 MW) of M/s Birla Corporation Limited (BCL) for their Cement Plant. The unit is proposed at village Bela, Tehsil Raghuraj Nagar, District Satna (Madhya Pradesh). The project falls under Category “B”, Project or Activity 1(d) – 4 of EIA Notification, 2006 and amendments. The salient features of the project were presented by the PP and his consultant before the committee members. The submission and the presentation made by the PP revealed following:

Birla Corporation Limited has an existing Cement Plant with Coal washery about 2 km away from this project site. The cement plant was commissioned in 1959. The proposed coal based thermal power plant is captive in nature to meet the power requirements of the existing cement plant and coal washery of BCL located in Satna.

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Coal supply

- Coal required for this project will be sourced from BCL's Captive Coal Washery (2.0 km away from the proposed project site) which will be transported through combination of Belt conveyor and closed trucks.
- Coal linkage has been obtained for the existing Coal Washery from Ministry of Coal vide OM dated 31st March, 2008.
- Quality of coal as reported shall be as per following analyses:

S. No.	Characteristics	Percentage
1.	Calorific Value (GCV), kcal/kg	2800 – 3000
2.	Ash	50 - 52
3.	Volatile Matter	20 - 22
4.	Fixed Carbon	26-28
5.	Sulphur Content	0.5-0.7
6.	Arsenic	Nil
7.	Mercury	Nil

Proposed Pollution Control Equipments

S. N	Pollution Control Equipment	Place	Number
1.	Electrostatic Precipitators	Boiler	1
2.	Bag Filter	Bunker Top	1
3.	Bag Filter	Crusher House	1
4.	Bag Filter	Transfer Towers	4

ESP will be attached to boiler to maintain the PM emission concentration less than 50 mg/Nm³. The specification of the same is as follows:

Type	Horizontal gas flow type with steel casing and pyramid hopper gas path
Chamber	Five field (one standby)
Gas temperature (inlet)	140 °C
Collecting area	3420 m ²
Flue gas volume & Velocity	17.7 Nm ³ /sec/chamber & 0.62 m/sec.

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Site Selection:

PP has submitted following justification for selection of the proposed site and No alternate site was considered for the proposed project.

- Proximity to Raw material i.e. just 2 km away from the existing Coal Washery (Source of Coal) in SW.
- Proximity to source of Water i.e. just 2 km away from the existing Captive Mine Reservoir (Source of water) in NE.
- Availability of adequate land i.e. 4.85 ha land (100% acquired)
- Suitability of land from topography & geological aspects.
- Nearest NH -75 (Satna – Panna) at a distance of 4.0 km in ESE direction.
- Nearest Railway Station Satna at a distance 5.0 km in SW direction
- Nearest River - Tamas at a distance 6.25 km in SE direction.
- No Forest Land is involved.

It was informed by the PP that:

- No National Park, Biosphere Reserve, Wild Life Sanctuary; Protected Forest is present within 10 km radius of the study area.
- Jamori Reserved Forest (9.5 km in E) falls within the study area.
- NOC from Forest department has also been taken for the proposed project activity.
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The Project site is having almost a flat terrain, with minor undulating surfaces having general slope towards SE direction, hence does not require any filling.

Land Requirement & Land-use break-up

- Total land requirement has been minimized to 4.85 Hectares keeping in the CEA norms.
- >33% of plant land will be developed into green belt/ plantation as per CPCB guidelines.
- Ash shall be stored in Silos.
- All the land has been acquired by BCL.
- Coal will be transported to project site by combination of Belt conveyor and closed trucks from nearby Coal Washery (2 km).
- Hence, no land for coal conveyor system is required.

Break up of land use		
S. No.	Project Activity	Area (ha)
1.	Power Plant	1.45
2.	Coal Storage	0.53
3.	Others	1.17

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4.	Green belt	1.70
Total		4.85

Impact on drainage of the area and the surroundings

- The topography of the area is almost flat having general slope towards SE.
- There is no water body within the plant site or nearby.
- It was reported that the natural drainage pattern of the area will not be disturbed due to the proposed project activity.
- Rain water harvesting has been proposed within the plant area.
- Tamas River and Satna River are the major surface water body in the study area flowing at around 6.25 km & 9.0 km from project site in SE & SW direction.
- Hence, no major impact on drainage of the area and the surroundings is envisaged from the project.

Project – Water Management

- Fresh water requirement: 360 KL/day.
- Source : Captive Mine Reservoir, 2 km in NE
- Water will be sourced from the rainwater harvested Captive Mine Reservoir.
- The waste water generated from the project will be treated to meet the MPPCB specifications.
- The treated water would be used for spray at transfer points and sprinkling on road for dust suppression.
- Zero Effluent Discharge will be practiced.

Optimization of COC for water conservation

- Air cooled condenser shall be installed, to minimize the water consumption to condense exhaust steam.
- Cooling tower for other utilities has been proposed to run at COC – 10.
- Rainwater harvesting will be done to conserve the rainwater & for ground water recharge.

Details of greenbelt as proposed in the project:

Greenbelt Area	1.70 ha (35.05% of the total plant area)		
Plantation Density	@ 2500 trees per hectare		
Plant Species to be planted	The local species such as Shisham, Neem, Siris, Jamun, Cassia, Khayar, Pipal, Gulmohar, Amla, Bargad, Aam, Ashok, Subabul, Citrus fruits etc.		
Guidelines	As per CPCB & in consultation with Forest Department		
Planning Schedule	Year	Area to be covered	Trees to be planted

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	1 st	0.5 ha	1250
	2 nd	1.2 ha	3000
	Total	1.7 ha	4250

Solid waste management (Ash)

Solid Waste Generation	Particular	TPD	MTPA
	Total Coal Requirement	1000	0.330
	Total Ash to be Generated	450	0.148
	Bottom Ash to be Generated (10%)	45	0.014
	Fly Ash to be Generated (90%)	405	0.134

Collection System	<ul style="list-style-type: none">Fly Ash - pneumaticallyBottom ash - cooled and collected in dry form in the bed ash hopper
Storage	Separate Silos for each
Management	<ul style="list-style-type: none">As per Fly Ash Notification100% Fly Ash utilization from start of operation phaseFugitive emission control as per CPCB guidelines
Utilization	<ul style="list-style-type: none">Fly Ash - in cement plant for producing PPC in Captive Cement PlantBed ash - in road construction and brick manufacturing

Further it was reported by the PP that-

- There is no displacement of population involved in this project.
- Land oustees have been suitably compensated.
- All the project land has been acquired.

Public hearing points

S. No.	Issue Raised	PP response	Action Plan Proposed
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1.	Employment Provision of employment opportunities to the local people. Outside people should be restricted and local population should be given preference.	The employment opportunities will be given to the local people as per the competency of individuals and the requirement in the proposed plant.	<ul style="list-style-type: none"> Self employment and vocational program are undertaken under the CSR activities and shall be further continued. Rs. 30 Lakh has been allotted for the employment generation programmes.
2.	Water Resource Water Tanks should be made available in summers. Proper arrangement of water should be made for the villages.	This facility is already being provided. It will be implemented in future also.	<ul style="list-style-type: none"> Provision of water tankers shall be maintained & increased for the villages. Water Harvesting shall be practised as a part of CSR in nearby villages to increase ground water recharge. Rs. 55 Lakh will be used to develop water facilities in the nearby villages.
3.	EMP Details of effective pollution control measures, methods of disposal of waste generated are not given in EIA report.	<p>Proper pollution control measures will be used.</p> <p>a) Coal will be stored in hoppers and then will be transferred to the boilers</p> <p>b) ESP will be installed.</p> <p>c) Online emission monitoring instrument will be installed in the chimney for continuous monitoring of emissions.</p>	<ul style="list-style-type: none"> Regular post project monitoring shall be conducted. MOEF & CPCB guidelines shall be followed. Rs. 70 Lac has been allotted for the EMP under CSR plan.
4.	Education To promote education in the proposed villages new ITI colleges should be opened.	The factory management is involved in Satna management committee therefore students of these villages will be helped	<ul style="list-style-type: none"> Efforts for improvement in Education facilities in the villages shall be done under the CSR activities. Total Rs. 45 Lakh has been allotted for education development in the proposed CSR Plan.

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**MINUTES OF STATE EXPERT APPRAISAL
COMMITTEE**

**107th MEETING
11th October 2012**

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		& guided to get admission in ITI.	
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Budget allocation for CSR

S. No.	CSR Activities	FY (2012-13)	FY (2013-14)	FY (2014-15)	Total
1.	Educational facility	15.0	15.0	15.0	45.0
2.	Medical facility	20.0	20.0	20.0	60.0
3.	Spiritual & Religious	10.0	10.0	10.0	30.0
4.	Sports Activities	10.0	10.0	10.0	30.0
5.	Water Supply facilities	15.0	20.0	20.0	55.0
6.	Approach Roads	20.0	20.0	20.0	60.0
7.	Market & Community Centre	10.0	10.0	10.0	30.0
8.	Employment Facility & Training	10.0	10.0	10.0	30.0
9.	Training for Self Employment	10.0	10.0	10.0	30.0
10.	Environment Management	20.0	25.0	25.0	70.0
11.	Rural Livelihood Development Activities	60.0	75.0	100.0	235.0
	Total	200.0	225.0	250.0	675.0

Item-Wise Budgetary Allocation for EMP

S. No	Environment management aspect	Recurring Cost per annum in Lac	Capital Cost in Lac
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1.	Air Pollution Control	11.0	1075.0
2.	Water Pollution Control	5.0	252.0
3.	Noise Pollution Control	1.0	20.0
4.	Environment Monitoring and Management	1.0	15.0
6.	Occupational Health	5.0	30.0
7.	Green Belt	2.0	8.0
	Total	0.25 Crores	14 Crores

After deliberations PP was asked to submit following information along with the supporting documents at the earliest:

1. Note on the CSR activities executed and proposed along with the photographs and other documental evidences to be furnished.
 2. Budgetary provisions for proposed CSR with activity-wise break-up to be submitted.
 3. Details of Corporate Environmental Policy and environmental cell of company to be furnished with special reference to the proposed coal unit.
 4. Activity wise expected environmental impact its proposed mitigation and expected improvement to be furnished.
 5. Details of the proposed Solar Power to be submitted.
 6. FAB based STP is reported to be in operation treatment cost per KL to be calculated and reported.
- 3.** Following mining projects with MLA less than 5.0 hectare were placed before the committee. The guidelines of SEIAA for appraisal of this segment of mining projects as down-loaded from the web-site was also placed before the committee. It was decided by the committee that the following cases along with the other similar cases dealt in earlier meetings may be returned to SEIAA for obtaining necessary information from the respective project proponents as per the policy decided by the SEIAA in its 107th meeting dated 17/09/2012.

1. Case No. 840/2012 Shri Devendra Khurana S/o Mr. Jagdish Chandra Khurana, 18, Chothmal Colony, Malganj, Indore (M.P.) – 452001 *Devendra Khurana S/o Mr. Jagdish Chandra Khurana Stone/Boulder Quarry at Khasra No. 503, Village – Rabdiya, Teh – Tonk Khurd, Distt. – Dewas (M.P.) Lease Area – 02.00 Ha., Capacity – 20,000 Cu.M./ Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]*

2. Case No. 841/2012 Shri N. Shriniwas Rao , Project Manager M/s BVSR Harda-Betul Roads Project Ltd., R/o 8-2-686/B/11/6 /1 Plot No.- 9, Road No. – 12, Banjara Hills, Hyderabad - (A.P.) – 500034 *Sand/ Bajary Quarry at Khasra No. 01, Village – Chichot, Gram Panchayat- Chhipaner, Teh – Timarani, Distt. – Harda (M.P.)*

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Lease Area – 04.00 Ha., Capacity – 20,000 Cu.M./ Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]

3. **Case No. 842/2012** Shri Anil Singh S/o Shri Ramlotan Singh R/o Village – Lusa, Teh.- Madihan, Distt. – Mitjapur (U.P.) – 231001 Stone Boulder Quarry at Khasra No.- 224,226/1 Village – Piperwan, Teh – Chitrangi, Distt. – Singrauli (M.P.) *Lease Area – 04.00 Ha., Capacity – Approx 12,000 Cu.M./ Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]*
 4. **Case No. 843/2012** Shri Deependra Singh S/o Sh. Rajendra Singh R/o Bhupati Bhawan Budhar, Ward No. – 14, Police Station, Budhar, Distt. – Shahdol (M.P.) – 231001 Stone Boulder Quarry at Khasra No.- 1004 Village – Dhangawan, Teh – Anuppur, Distt. – Anuppur (M.P.) *Lease Area – 01.01 Ha., Capacity – Approx 12,000 Cu.M./ Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]*
 5. **Case No. 844/2012** Shri Sanjay Kumar Jain S/o Sh. Javaharlal Jain, Tilak Ward Devri, Distt. – Sagar (M.P.) Stone/ Boulder Quarry at Khasra No.- 109, Village – Chhevla, Teh – Devri, Distt. – Sagar (M.P.) *Lease Area – 03.99 Ha. Capacity – Approx 10,000 MT. / Annum. [Env. Consultant: M/s PEC Nagpur (M.S.)]*
 6. **Case No. 846/2012** Shri Jeevan Parihar S/o Shri Bherulal Parihar R/o Village – Chandukhedi, Post – Nalva, Teh. – Ujjain, Distt. – Ujjain (M.P.) 456222 - Stone /Boulder Quarry at Khasra No.- 296, Village – Jalalkhedi, Teh – Ujjain, Distt. – Ujjain (M.P.) *Lease Area – 01.50 Ha., Capacity – Approx 300 Cu.M./Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]*
 7. **Case No. 847/2012** - Shri Narendra Mahajan, S/o Shri Prakash Mahajan R/o L.B.- 71, New Indra Colony, Burhanpur, Distt. – Burhanpur (M.P.) 450331 . Stone /Boulder Quarry at Khasra No.- 671, Village – Khadkod, Teh – Burhanpur, Distt. – Burhanpur (M.P.) *Lease Area – 02.00 Ha., Capacity – Approx 1500 Cu.M./Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]*
 8. **Case No. 849/2012** - Smt. Suman Sahu W/o Shri Dinkar Sahu R/o M.Q. - 607 Shobhapur Colony, Pathakheda, Distt. – Betul (M.P.) 460449 Kundai Stone Quarry at Khasra No.- 237/2, Village – Kundai, Teh – Multai, Distt. – Betul (M.P.) *Lease Area – 01.00 Ha., Capacity – Approx 15,000 Cu.M./Year. [Env. Consultant: M/s Creative Enviro Services, Bhopal (M.P.)]*
 9. **Case No. 851/2012** - Shri Nitesh Kumar Jain S/o Shri Ashok Kumar Jain, R/o Near Bade Jain Mandir, Court Road, Banda, Distt. – Sagar (M.P.) 470335 Stone /Boulder Quarry at Khasra No. - 169/2, Village – Cheel Pahadi, Teh – Banda, Distt. – Sagar (M.P.) *Lease Area – 0.80 Ha. Capacity – Approx 4000 Cu.M./Year. [Env. Consultant: M/s PEC Nagpur (M.S.)]*
4. The Policy framed by SEIAA to process the cases of minor minerals having MLA less than 5.00 ha was placed before the committee for information and adoption. SEAC discussed the contents of the policy and its applicability. The observation and suggestions given by the committee are summarized in a note and provided to SEAC members for further discussion and finalization in the next meeting to be held on 05 November, 2012. Finalized note will be submitted to SEIAA for consideration.

**** Meeting ended with thanks to the chair and the members. ****

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