

The meeting conducted on 13th February 2012 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
Shri V.R. Khare 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 87th meeting of SEAC dated 7th January 2012

The minutes of 87th meeting of SEAC dated 7th January 2012 were confirmed and approved.

2. Consideration of the Projects

12 cases were invited to make presentation before the SEAC.

Deliberations:

1. Case no. 659/2011 Sh. Neeraj Kumar Jain, Sawarkar Ward, Nai Basti, Katni, Distt. – Katni (M.P.) For- ToR - Budhanwara Laterite and Red Ocher Mine at Khasra no. 339/543, Village- Budhanwara tehsil- Bohriband Distt.- Katni (M.P.) Area- 15.00 Ha. Proposed production Capacity – 16,500 MTPA- Open Cast and Other than fully mechanized mining.

Env. Consultant – Pollution & Ecology Control Services, Nagpur.

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. The project was forwarded by the SEIAA for approval of TOR to carry out EIA / EMP. PP with his consultant presented the case before the committee. The mining lease area is 15.00 Ha. is located at Village - Budhanwara, Tehsil – Bahoriband, District - Katni M.P. It is proposed to mine 20,000 M.T./per annum Laterite and Red Ochre from this mine. Method of mining proposed is Open Cast and Other than fully mechanized. It was reported that the applied area is having three hillocks and this forms a rolling topography on the central side. This hillock having slope in the north and south direction. The applied area is a part of the Lateritic/ murrum mounds. The average thickness of Laterite is 3 m to 4 m in this area. Inliers of Mahakoshal group are exposed in the area. As outcrops a long cutting unit exposed is Laterite. Plantation on 33% of the total mine lease area is proposed with initial plantation in the barrier zone and sides of the mine roads. Total proved reserves is 8,55,243.00 MT and Probable reserves 1,42,465 .00 MT. Laterite and Red Ocher is excavated in the ratio of 90%: 10% & 70%: 30%. Total Mineable reserves is 9,97,708.00 MT, and Entire mine life is 50 years. No drilling and blasting in the mine lease area is proposed. Transportation of red ocher from the mine site

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to the consumer center would be done by own trucks and dumpers. Extraction of laterite and red ochre would be done by semi mechanized method. Manual sorting & sizing will be done at mine site. Consent letter is issued from Mineral resource department vide letter no. 3-40/2007/12/2, dated 08/10/2007. Mining Plan is approved under rule 22 of MCR 1960 vide letter no. MP/ Katni/ Laterite/ MPLAN/ G - 23/ 07-08 Dated 10/03/08.

Location features of the site are as follows:

S. N.	Features	Details	Distance
1.	Water Bodies	R. Bachiya Canal	3.5 Km. 150 Mtr.
2.	National Park / Sanctuary	None in the study area	
3.	Nearest Forest	Open Mixed Jungle	600 Mtr.
4.	Nearest Village	Budhanwara	1.0 Km.
5.	Historical/Archae. Place	None in the study area	
6.	Nearest Road	Ponda –Bachiya	1.5 Km
7.	Seismic Zone	III	

After deliberations committee has decided to issue TOR to the proponent to carry out EIA / EMP with inclusion of following specific points:

- Details for protecting the canal passing from proposed site to be provided.
- Permission from the Gram Panchayat for lifting of water from the public tank of the village, the issues should be dealt in the Public Hearing also.
- The figures mentioned against the proven / probable / minable reserves have to be explained in detail in the EIA report.
- EIA has to be done through accredited consultant.
- At least two AAQMS shall be installed towards forest boundary.
- Other terms shall be as per the terms decided by the committee for mining projects.

2. Case no. 660/2012 Smt. Kiran Bhassen W/o Shri Mohan Bhassen R/o Shiv Dham, Station Road P.O. – Katni (M.P.) –483501 For- ToR Bichhia Laterite & Fire Clay Deposit at Khasra no. P 409, Village- Bichhia Tehsil- Murwara ,Distt. – Katni (M.P) Area- 12.13 Ha. Proposed Capacity – 40,000 TPA - Open Cast and Other than fully mechanized mining.

[Env. Consultant: Grass Roots Research & Creation India (P) Ltd. Noida (U.P.)]

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. The project was forwarded by the SEIAA for approval of TOR to carry out EIA / EMP. PP with his consultant presented the case before the committee. The mining lease area is

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12.13 Ha. is located Khasra no. P 409, Village- Bichhia Tehsil- Murwara ,Distt. – Katni (M.P). This is an existing mine with production capacity of 40,000 M.T./per annum Laterite & Fire Clay. Method of mining proposed is Open Cast and Other than fully mechanized. Drilling and blasting shall be adopted after 5 years. Minalable reserve is reported to be 0.61 million ton. Entire mine life is 17 years.

Location features of the site are as follows:

S. N.	Features	Details	Distance
1.	Water Bodies	Sumer tank Jrangar Nadi	3.5 Km. 1.0 Km
2.	National Park / Sanctuary	None in the study area	
3.	Nearest R. Forest	Open Mixed Jungle	6.5 Km
4.	Nearest Village	Bichhia	not reported
5.	Water requirement	6.0 KLD	
6.	Nearest Road	Chaparwaha-Keolari	-

After deliberations committee has decided to issue TOR to the proponent to carry out EIA / EMP with inclusion of following specific points:

- Details for protecting the river passing through site have to be provided.
- Permission from the Gram Panchayat for lifting of water from the public sources of the village, the issues should be dealt in the Public Hearing also.
- The figures mentioned against the proven / probable / minable reserves have to be explained in detail in the EIA report.
- EIA has to be done through accredited consultant.
- At least two AAQMS shall be installed towards forest boundary.
- Other terms shall be as per the terms decided by the committee for mining projects.

3. Case no. 661/2012 Sh. Rajeev Chadha, M/s Gandhigram Iron Ore/Blue dust,Laterite & Yellow Ochre Mine, Opp. – G.S. College Civil Lines, Jabalpur (M.P) **For –ToR** Enhancement of Capacity of Iron Ore/Blue Dust,Laterite & Yellow Ochre Mine, at Khsra No. 1547, Village – Gandhigram ,Tehsil- Sihora,Distt.- Jabalpur (M.P.) Area- 7.310 Ha. Proposed Capacity & Minerals – 3,00,000 MTPA (Existing Capacity – 81000 MTPA)Env. Consultant – not disclosed.

EC issued vide letter no.157/EPCO-SEIAA/09 dot. 27/07/09

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 next meeting as per the turn.

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4. Case no. 489/2009 M/s S.N.S. (Minerals) Limited, P.O. - Maihar, Distt. – Satna (M.P) **For - ToR** - *Enhancement of Capacity Jamuani Kala Limestone & Dolomite Mine at Village - Jamuani Kala, Tehsil- Vijayraghgarh, Distt. – Katni, (M.P.) Area- 8.584 Ha., Prod. Capa. - 10,000 TPA. to 0.20 Million TPA - Open Cast and Other than fully mechanized mining.*

[Env. Consultant: Grass Roots Research & Creation India (P) Ltd. Noida (U.P.)]
ToR issued vide letter no 144 dt. 18/02/10 – revised TOR is requested for expansion of production capacity.

This is a case of an existing mine TOR was issued for prod. cap. of 10,000 MT/Year. The case was presented before the committee in the 45th meeting dated 27/01/10. TOR was issued to the PP to carry out the EIA on dated 18/02/2010 for the capacity of 10,000 MT/Year. PP has applied for issue of revised TOR with amendment in the production capacity from 10000 MT/year to 2.0 lac MT/Year. The applicant, presented the salient features of the project. Information pertaining to the above project was examined by the committee. Open-cast, manual mining has been proposed, mining shall not intersect the GW table. Nearest village is Jamuniakala which is about 1 Km from the lease area boundary. Nearest State highway is Jhukai-Kymore about 2 Km from the lease area boundary. Validity of mining lease is 22/09/2015. Mining plan for new production capacity is reported to be under preparation. After detailed deliberations, the SEAC has recommended the inclusion of following TORS in the preparation of EIA/EMP:-

- Approved mining plan for new capacity to be submitted with EIA / EMP report.
- Protection of the nalla (reported at 250 meters from the site) has to be addressed in detail.
- Water requirement for the activity has to be reported with justification and sources.
- Permission from the Gram Panchayat for lifting of water from the public sources of the village, the issues should be dealt in the Public Hearing also.
- The figures mentioned against the proven / probable / minable reserves have to be explained in detail in the EIA report.
- EIA has to be done through accredited consultant.
- At least two AAQMS shall be installed towards forest boundary.
- Other terms shall be as per the terms decided by the committee for mining projects.

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5. Case no. 662/2012- Mr. Ashish Tiwari M/s Varun Fertilizer Pvt. Ltd. 203,2nd Floor, Indore Trade Centre, South Tukoganj, Indore, **For – ToR**
Single Super Phosphate: 1000 TPD (Granulated SSP 500 TPD & Powder SSP - 500 TPD)
) Plot No.6,7,8,11,12,13 Industrial Area Sector 1, A.B. Road Dewas (Near Tata Square, Dewas) Distt. – Dewas (M.P.) (Cat. 5(b))
[Env. Consultant – Global M/s. GLOBAL ENVIRO LABS, (QCI- NABET Provisional Accreditation No:43), Tilaknagar “X” Roads, Baghamberpet, Hyderabad]

This is a case for expansion of fertilizer plant with production enhancement from 30 TPD to 1000 TPD for manufacture of Single Super Phosphate (500 TPD GSSP & 500 TPD PSSP), covered under EIA Notification and mentioned at serial no. 5 (a). Cost of project is reported to be Rs 25.0 Crores. Salient features as reported by the PP and his consultant are as follows:

Location features

Address of the unit	Plot. No: 6, 7, 8,11,12,13, Sector 1, Industrial Area, Near Tata Square, Tehsil & District: Dewas, State: Madhya Pradesh .
IDA	Dewas Industrial Area
Latitude	22° 56' 23.22" N
Longitude	76° 00' 31.84" E
Land Availability	75000 Sq. Feet (6900 m ²). Procurement of additional land has not been proposed.
Nearest Highway	1.6 km – NH – 3
Nearest Habitation	Shantinagar – 0.6 km
Archaeologically & Historically Important Sites & Sensitive Places	Nil within the study area
Sanctuaries/National Parks	Nil within the study area
Forest Area	Nagda Reserved Forest – 5.5. Km - SE

Other features of the project are as follows-

Raw Material	Existing	After expansion
Rock Phosphate	17.1 T/day	570 T/day
H ₂ SO ₄	10.8 TPD	360 TPD
Water Requirement (Source Ground Water)		
Process	5.18 KLD	172.8 KLD
Domestic	5.0 KLD	27.2 KLD
Power Requirement	120 kVA	500 kVA
Manpower	20	120

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Silica is reported to be the Solid waste generation from the project to the tune of 0.9 TPD. Anticipated fluorine emission from the project is reported to be 17.81 mg / NM³.

Fugitive Dust will be generated during Rock Phosphate and Finished Product Handling & Vehicular movement. To control the air pollution following measures are proposed -

- Cyclone separators and bag filters in Grinding section
 - Ventury, Cyclone separator and Scrubbers in Mixing section of SSP
 - Dust collecting cyclones will be provided in the GSSP manufacturing section.
 - 15 m. height of stack will be provided after cyclone separation and bag filtering of the dust from the Grinding section of the plant.
 - A 30 m. height chimney venting traces of fluorine gas in to the air, after the three stage treatment of the pollutant from the dryer and den of the plant.
 - The raw material will be unloaded with mechanical devices, which is reasonably closed and there will not be any fugitive dust problem.
 - Fugitive Dust mechanical water sprinklers will be provided to spray water all around the stockpiles to suppress the dust.
- The scrubbing of flue gases released in the den shall produce liquid effluent acidic in nature and containing H₂SiF₆.
- PP is committed for the zero discharge of effluents.
 - This 'liquor' will be collected and passed to settling tanks through a centrifuge for separation of the silica sludge.
 - The silica sludge will be used as filler in the manufacturing of NPK.
 - Clear liquid output of the pit shall be recycled in to the system for the dilution of sulphuric acid. Only 6 m³/day of domestic effluent will be generated and this will be sent to septic tank fallowed by soak pit.

Committee pointed out that the area proposed for the project is very less in response PP reported that external storage area out side the premises shall be procured for storing raw material and final product.

After deliberations committee has suggested inclusion of following TOR to carry out EIA / EMP:

- All locations for external storage facility have to be ear-marked on map showing various aspects such as distance from the unit, infra-structure available, type of procession (purchased, hired or leased etc.) along with the supporting documents.
- Uranium has to be analyzed through authorized laboratory.
- Methods have to be explored to reduce the fluorine gas emissions as below as possible from the prescribed standards.
- Lay out plan showing details of the storage area, plantation area etc.
- Lay out of the Industrial area with list of industries.
- Land allotment orders in name of the proponent (Mr. Ashish Tiwari M/s Varun Fertilizer Pvt. Ltd).
- Copy of notification of Industrial Area from Industry Department has to

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be furnished.

- PP shall have to conduct a public hearing if the proposed plot is not located in a Notified Industrial Area.

6. Case no. 663/2012 - Mr. Mahesh Prasad Agrawal, Mine Owner P.O. – Jaitwara, Distt. – Satna (M.P.) – 485221 For –ToR *Pagar Kalla Ochre, White Earh, Laterite & Bauxite mine at khasra no. 180 (P), 185 (P) Village- Pagar Kalla, Tehsil – Raghuraj Nagar, Distt. – Satna (M.P.) Mine Area – 16.1874 ha. Production Capacity - 50000 TPA.*

Env. Consultant: Creative Enviro Services, Bhopal (M.P.)

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. The project was forwarded by the SEIAA for approval of TOR to carry out EIA / EMP. PP with his consultant presented the case before the committee. The mining lease area is 16.1874 Ha. is located at khasra no. 180 (P), 185 (P) Village- Pagar Kalla, Tehsil – Raghuraj Nagar, Distt. – Satna (M.P.) Method of mining proposed is Open Cast and Other than fully mechanized. During deliberations following facts about the proposed mine were reported by the PP and his consultant.

Location of Project	Village-Pagar Kalla, Raghuraj Nagar, Dist. Satna (MP)
Occupancy	Govt. Waste Land
Lease Period	20year 10.08.1985 to 09.08.2005 (Applied for renewal)
Geological Location	Latitude- 24050’30” TO 24050’40” North Longitude - 80057’13” TO 80057’48” East
Altitude of Site	Average Elevation- 375-319AMSL
Nearest Highway	WBM Road -0.1 km- W State Highway - 5.0km – S
Nearest Village	Pagar - 1.5km – S
Nearest Forest	Kathara PF 500 meters –N
River/Nalla	Sitawa Nalla - 500 meters - W
Type of Mine & Method	Open Cast Semi-Mechanised
Mineable Area	9.9873 Ha
Existing Pits & Quarries	4.1468ha
Existing Dumps	Nil
Infrastructure and road	0.044ha
Mineral Storage/sub-grade	Nil
Plantation	0.01ha (existing) 2.0ha (proposed after mining)

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Recoverable Reserve	338768 T
Expected Life of Mine	9 years
Ultimate Depth of Mining	2m bgl (upto 317mRL)
Water body	0.2ha (existing) , 2.0326ha (proposed after mining)
Average mRL	375-319 AMSL
Ground water table	9m bgl (310AMSL)
Monsoon period	15m bgl (304AMSL)
Dry month	

After deliberations committee decided to approve TOR with inclusion of following specific terms & conditions to carry out EIA / EMP:

- Approved mining plan for the proposed capacity to be submitted with EIA / EMP report.
- Water requirement for the activity has to be reported with justification and sources.
- Permission from the Gram Panchayat for lifting of water from the public sources of the village, the issues should be dealt in the Public Hearing also.
- The figures mentioned against the proven / probable / minable reserves have to be explained in detail in the EIA report.
- EIA has to be done through accredited consultation.
- At least two AAQMS shall be installed towards forest boundary.
- Other terms shall be as per the terms decided by the committee for mining projects.

7. Case no. 665/2012 Dr. M.P. Patel, CEO, N.C.R. Special Area Development Authority (Counter Magnet) 12, City Centre, Gwalior (M.P.) - ToR For –Building Construction - SADA Township of 805 ha. at Village - Sojna, Tighra, Kaitha, Kulaith, Tehsil – Gwalior, Distt. – Gwalior (M.P.) Env. Consultant – ENV Development Assistance Systems(India) Pvt. Ltd. Lucknow (U.P.)

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

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

The proposed TOR for conducting Environmental Impact Assessment Study for the 805 hectare Township at Gwalior West, M.P. were presented by the PP along with the salient

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features of the project.

It was reported by the PP that the existing approach road to the counter magnet city is from Gupteshwar, Moti Jheel, Purani Chhawani and Rairu. All main Arterial roads (60 m right of way), which have already been constructed in scheme areas and is well, connected with Agra-Bombay Road (NH-3). The existing approach roads from Agra-Bombay Road has been kept 60.00 m. wide. 12.50 Km long Tighra Road is a 4 lane main Road connecting old city & Counter Magnet City.

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

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

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

Other salient features of the site are as follows:

Parking facilities	Type of Parking : Open No. of ECS provided : As per MoEF requirement
Power requirement & source	86 MW from MP state Electricity Board
Power Backup	Through DG Sets , backup as per requirement
Water Requirement and Source	Fresh water: 20 MLD (Million liters per day) Recycled water: 18 MLD Total water requirement: 38 MLD Source: Tighra Reservoir
Sewerage Disposal	Total sewage generated: 24 MLD STP Capacity 30 MLD
Total solid waste generated	101.4 Tones/day
Estimated Population	212975

After deliberations the committee has recommended the inclusion of following points in the TOR:

- Water balance to be provided in detail.
- Proposal for dual pipe lines to be dealt in detail including the financial

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- implications.
- Community green area in the project which shall be open to all has to be proposed in the lay out.
 - Pockets of reserve forests have been reported in the project – protection measures of these forests to be furnished.
 - Responsibility to comply with the environmental laws for all projects coming up in SADA area has to be addressed. SADA has to give commitment for complete compliance and enforcement of environmental laws.
 - The present capacity of the MSW processing plant at Gwalior is reported to 250 T / day under such conditions MSW expected from SADA area can not be accommodated in the existing facility. Plan has to be submitted for management of MSW.
 - Location of STP, MSW collection / storage sites, sludge collection site etc. have to be indicated on the approved lay out.

8. Case No. 566/2010 Office of the Commissioner Municipal Corporation Distt-Gwalior-M.P (Presentation on Public Hearing Points) Gwalior Fort Ropeway project. (CF 72nd SEAC Meeting dt. 14/12/10) Public Hearing documents Rec. through SEIAA . Env. Consultant: Creative Enviro Service, Bhopal.

- (1) TOR issued vide letter no. 810 dt.27/09/10. (2) Amended TOR issued vide letter no. 935 dt.02/12/10
- ❖ ToR was issued for the project on 27.09.2010
 - ❖ Site visits were conducted by the sub committee of SEAC on 01.08.2010
 - ❖ Based on the PP's submission revised ToR was issued on 02.12.2010 with exemption from public hearing
 - ❖ SEAC recommended case for grant of prior EC with several specific conditions in 72nd meeting dated 14.12.2010
 - ❖ SEIAA considered the case in 49th meeting (10.02.2011), 58th Meeting (16.05.2011) and 62nd meeting (13.07.2011) and asked the PP to carry out public hearing
 - ❖ Public hearing was conducted on 12.10.2011 for the proposed project.

The public hearing issues were discussed before the SEAC in this meeting. Commissioner of Gwalior Municipal Corporation was present with his consultant during the discussions. Major issues from public hearing were:

1. Protection of green area of Phool bagh.
2. Construction of cafeteria at lower terminal.
3. Felling of trees (27 No.) in the project area.
4. Impacts on the Jain- sculptures.
5. Possible accidents due to operations of rope-way.

The project proponent (Commissioner of Gwalior Municipal Corporation) has given commitment that at lower terminal only related infrastructure shall be constructed and no cafeteria shall be made. Similarly, regarding maintaining the greenery and aesthetic looks of Phool Bagh region all care shall be taken. Based on the public hearing proceedings and the recommendations of the public hearing panel, SEAC has recommended the project

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for grant of EC with following additional special conditions:

- The lower terminal of the ropeway is proposed in Phool bagh, baradari area of Gwalior, this area is basically marked as green belt. Hence, only tower for lower terminal shall be allowed in this region, other constructions such as cafeteria, DG-set, amenities, etc shall not be permitted in this region. The Zoo and Green area of the region shall be maintained.
- 27 trees in the proposed project area are proposed for cutting hence PP shall plant 10 times of the trees in the near by region. The detailed proposal for plantation should be included in the project.
- Project proponent shall take appropriate measures for control of air, water & noise pollution.
- PP shall abide by the laws of Archeology department & forest department.
- The traffic on fort road shall be regulated to reduce the number of vehicles in fort region.
- Battery operated vehicles shall be promoted in the fort.
- Necessary steps shall be taken to avoid traffic congestion at lower terminal area.

9. Case no. 611/2010 - Shri Sudarshan Jhawar, 103 Ground floor, Parswanath Bhawan, Jhawar Estate, Gandhi Road, Gwalior (M.P.).-Mantri City- Integrated Township (Area Developoment cum construction) at Village-Sujana & kulaith The. & Distt. - Gwalior (M.P) with total area 332438.9m2 & built-up area 113685.85 m2 and land development area- 84483.46 m2. - Consultant – In-situ Enviro care, Bhopal

The case was presented before the committee in the 74th meeting dated 5th January 2011, whereby the PP was asked to submit reply with supporting documents to the queries raised by the committee members. The replies submitted by the PP were discussed in the 77th meeting dated 25/08/2011, 82nd meeting dated 13/10/2011 and 87th meeting dated 9/01/2012. Beside the replies submitted by the PP the complaint forwarded by the SEIAA was also discussed in the above meeting and no substance was found in the complaint. Ultimately, the PP was required to make a presentation on STP and MSW management. It was submitted by the PP earlier that the sewage shall be treated in the STP proposed by SADA; later PP submitted a proposal for separate STP for the proposed township.

- PP and his consultant presented the salient features of the STP but could not respond the query made by the members hence PP was asked to submit a revised STP plan at the earliest.
- SADA has provided consent letter for separate STP for the proposed township. PP has proposed that the MSW shall be disposed off in the facility of Nagar Nigam Gwalior on payment basis. In this context PP was asked to submit relevant papers at the earliest to SEAC.

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The case shall be examined with respect to the above mentioned points in the next meeting.

10. Case No. 621/2011 Mr. Shrikant Chobey, M/s Akzo Nobel India Ltd Project Mgement Grp R&T Center, Plot No. 1/1, TTC Indutrial Area, Thane —Belapur Road, Koparkhairane, Navi Mumbai Mumbai (M.S.) -10 EIA Presentation Integrated Paint Plant, Malanpur Industrial Estate GAE- 1, GAF-1, GAF-2, Distt.- Bhind, (M.P.) Env. Consultant: Kadam Environmental Consultant, Ahemedabad. TOR issued vide letter no. 355 dated 19/12/2012

This is a project on setting up an Integrated Paint Industry which falls under Category: B 5(h). The EIA was presented by the consultant & PP after the deliberations followings were revealed by the committee:

Project	Akzonobel India Limited proposes to set up green-field plant (s)
Location	Plot nos GAE-1, GAF-1, GAF-2 at Malanpur Industrial Estate Bhind district, Madhya Pradesh. Village: Gurikha, Taluk:Gohad, District:Bhind, State :Madhya Pradesh
Plant Coordinates	26°21'18.13" N 78°15'55.4" E 26°21'31.32" N 78°16'2.38" E 26°21'21.39" N 78°16'25.2" E 26°21'8.5" N 78°16'18.51" E
Product & capacity	<ul style="list-style-type: none"> • Water based Paint – 150 MLPA • Solvent based Paint – 50 MLPA • Tinter Manufacturing – 7.2 MLPA
Raw material	as per the EIA report
Area of Land	226250 m2 allotted by IIDC Gwalior vide letter dated 24/01/2011
Type of Land	Industrial area
Project Cost	INR 270 Crore
Road Connectivity	NH-3, the Agra-Bombay road
Nearest Habitat	Tillori (0.5 km)
Rail Connectivity	Railway line (5.0 Km)
Airport	Gwalior (5.9 km)
Water Bodies	Morar Nadi (2.5 Km)
Archaeological/Historical /Ancient Monuments within 10 km radius	None

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Near by forest area	Mawai Reserve Forest (1.3 km), Sanichara Reserve Forest (6.0 km)
Water requirement	460 KLD, Source: Malanpur Industrial Estate
Green area of the premises	74664 m2.

Environmental components likely to be effected

Env Component	Generation	Proposed EMP
Waste water management	Water Based process (5 KL/day), Tinter process (4KL/day), Solvent Based Process (20KL/day) total: 29 KLD	Shall be treated in Effluent Treatment Plant
Total Sewage generated	(40 KL/day)	Will be treated in sewage treatment plant
Solid Waste Management	Empty plastic /paper bags of raw materials, Card Board Boxes and paper from office & Waste wood i.e. broken wooden pallets corrugated boxes, poly bag liner and gum side of stickers etc.- not quantified	Proposed to be sold to scrap vendors
Batteries	Not quantified	to be sent back to manufacturer on buy back basis
Air Quality	Emissions of SO ₂ , NO _x and CO are expected from the proposed unit due to following activities: <ul style="list-style-type: none"> • Vehicular movements • DG set operations • material handling and transportation 	Air Pollution Control Measures <ul style="list-style-type: none"> • Dust extraction system like bag filters. • Adequate water-spray system.
Treated Effluent and Treated sewage: Will comply with Indian standards for irrigation application IS 11624:1986. and will be used for gardening		

It was reported that the distance of the project from inter-state boundary is more than 10 Km, hence is under the purview of MPSEIAA. It was also reported that the industry is located in a notified industrial area hence public hearing was not required. Assurance letter from IIDC Gwalior for supply of 500 KLD water.

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Documents submitted: *EIA/EMP report, NOC from forest department (DFO Morena & DFO Bhind), copy of Land allotment order and water fulfillment from industries department.*

The committee was satisfied with the submissions of the PP. The EIA report, pollution mitigation measures and the EMP submitted by the PP are acceptable hence SEAC decided to recommend the case for grant of prior EC subject to following special conditions:

- Ground water quality shall be regularly checked through peizometric study.
- Clear agreement between the two companies (i.e. between Integrated Paint Plant, Malanpur Industrial Estate GAE- 1,GAF-1,GAF-2,Distt.- Bhind, (M.P.)and Powder Coating Plant of m/s Akzonobel Coatings India Private Limited, Malanpur Industrial Estate GAE- 1,GAF-1&2, Village- Gurikha, Tehsil-Gohad,Distt.- Bhind, (M.P.)) regarding maintaining the treatment of sewage / effluent in the combined STP / ETP, as these are located in the same premises and have common facilities for treatment of wastes has to be signed and handed over to the MPPCB while obtaining CTE.
- Surplus treated water has to be stored in the rainy season.
- Possibility has to be explored for treatment of sewage and process waste in a single unit instead of making separate STP & ETP.
- Solvent recovery plant has to be installed with at least 95% efficiency- proposal to be submitted.
- Regular monitoring has to done for TOC, VOC & Bio-assay – to be included in the monitoring budget.
- Quantity of industrial effluent shall not exceed **29 KLD** [from Water Based process (5 KL/day), Tinter process (4KL/day), Solvent Based Process (20KL/day)]
- Quantity of domestic effluent shall not exceed 40 KLD.
- Industry shall segregate the high COD effluent and shall install Multi Effective Evaporator for treatment of high COD effluent.
- Consent for Establishment shall be obtained from the M.P. Pollution Control Board and a copy shall be furnished to the MPSEIAA, before taking up of any construction activity at the site.
- Domestic effluent and trade effluent generated from the unit shall be treated in the effluent treatment plant as per the proposal submitted.
- The water requirement shall not exceed 460 KLD which shall be met from IIDC, Gwalior water supply.
- Emergency or accidental Process emissions & the off gas from the process vents shall be scrubbed in water and Caustic lye solution scrubber. The scrubbing liquid shall be sent to ETP for treatment.
- The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives must be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
- The project authorities shall provide adequate funds both recurring and non-recurring to implement the Environmental Management Measures stipulated by the SEIAA along

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with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.

- A separate Cell with adequate technically competent staff should be appointed to operate the Environmental Control measures and which should report directly to the top Executive of the plant premises.
- Regular Ambient Air Quality Monitoring shall be carried out for VOC and HC besides other parameters in ambient air around the Plant. The location and results of existing monitoring stations will be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. Additional Stations shall be set up, if required. It shall be ensured that at least one monitoring station is set up in up-wind& in down-wind direction along with those in other directions.
- Occupational health surveillance of workers shall be done on a regular basis and records maintained as per the Factories Act, 1948. Proper House keeping and adequate occupational health programme shall be taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be carried out and the records shall be maintained properly for at least 10 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emissions and other Hydrocarbons etc.
- The proponent shall undertake periodical health monitoring of the workers with special reference to the impact on the respiratory and renal system and. maintain the document and appropriate monitoring. Gadget to be deployed to monitor VOC.
- The overall noise levels in and around the plant area shall be kept well within the standards prescribed by the CPCB by providing noise control measures on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Rules, 1989 viz. 75 dBA (day time) and 70 dBA(nighttime).
- HCl, HBr, and vapour emissions from the reactors/process vents shall be provided with suitable scrubbers and condensers. Scrubber efficiency shall be minimum99%.
- Regular monitoring of VOC and HC in the Work Zone Area in the Plant shall be carried out and data be submitted to MoEF / MPPCB.
- Quarterly monitoring of fugitive emissions shall be carried out as per the Guidelines of CPCB.
- The Company shall harvest surface as well as rainwater from the rooftops of the buildings in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- The Proponent shall furnish an undertaking that they will abide by the conditions/recommendations mentioned in the EIA/EMP report furnished by them.
- Greenbelt shall be developed to mitigate the effect of fugitive emissions all around the plant in a minimum 33% plant area in consultation with the DistrictForest Officer (DFO)as per CPCB guidelines.
- Hazardous Solid waste from process (ETP sludge & spent carbon) etc. shall be sent to the Common TSDF.

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- Possibilities shall be explored for co-incineration / co-processing of paint sludge in cement kilns.

11. Case No. 622/2011 Mr. Ghanshyam Ahuja, M/s Akzo Nobel Coating India Private Limited, Plot No. 62-A & B Hoskote Ind. Area, Bangalore – 562 114 EIA Presentation Installation of Powder Coating Plant of m/s Akzonobel Coatings India Private Limited, Malanpur Industrial Estate GAE- 1,GAF-1&2, Village- Gurikha, Tehsil-Gohad,Distt.- Bhind, (M.P.)Env. Consultant: Bhagwati Ana Labs ltd. Hyderabad TOR issued vide letter no. 357 dated 19/12/2012

This is a project on setting up an Integrated Paint Industry which falls under Category: B 5(h). It was reported by the PP that this unit is proposed with in the main plot of Integrated Paint Plant at Malanpur Industrial Estate GAE- 1,GAF-1,GAF-2,Distt.- Bhind, (M.P.) Hence all geographical and location details of this projects are same as the Case no. 621/2011.

The case was presented by the PP after the deliberations followings was revealed by the committee:

Name of the Project	Installation of Powder Coating Plant by M/s Akzonobel Coatings India Private Limited
Production capacity	10,000 MT/Annum
Area of Land	56 acres (16 acres for powder coating plant)
Land Type	Malanpur Industrial area in Gwalior. The proposed area is developed by IIDC for the industries.
Cost of the project	Rs. 55.4 Crores
Plant Capacity	10000 MT/Annum
Power	20988 Kwh/day
Water Requirement including machines top Gardening Domestic Water	about 23 KLD – water will be used in cooling & washing of equipments only. The waste water generated from washings shall be re-used after treatment (filter press system). Domestic effluent generated from the unit shall be treated in the STP of the sister concern i.e. Paint Plant) Source: Water will be drawn IIDC, Gwalior supply.
Employment Potential	150
Raw Material	Wax, Additives, Filler, Pigments, Rutile (TiO ₂), Hardener, Polyester Resin, Epoxy Resin, Flow Control agents and Benzoin

After deliberations it was observed that the Powder Coating Plant less water/air polluting industry hence do not have potential environmental impacts. Nevertheless, as the industry has proposed to use pigments and resins as raw material the ground water monitoring is

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necessary. Committee was satisfied with the submissions and the presentations made by the PP. The EIA studies carried out and EMP proposed are acceptable hence committee decided to recommend the case for grant of prior EC subject to the conditions laid down for the case no. 621/2011 and the following additional conditions:

- Regular ground water monitoring shall be conducted.
- Piezometric studies shall be conducted every six month and reported to the MPPCB.
- Monitoring of PM_{2.5} has to be included in the regular ambient air quality monitoring program.
- Regular health check-up camps shall be organized for the workers and all expenditures towards treatment shall be borne by the Industry.
-

12. Case no. 548/2010 M/s Eastern Minerals Bhagwanthpura 5th K.M., Mauranipur Road, Jhansi – (U.P.) **For –EIA Presentation** Diaspore Pyrophyllite Mine 9.67 ha. at Village Nandanwara, Tehsil. - Jatar, Distt. – Tikamgarh –(M.P.) Cap. 1360 & 15530 Tonnes of ROM per annum. **Env. Consultant – ENV Development Assistance Systems(India) Pvt.Ltd. Lucknow (U.P.)**

It was reported that the Nandanwara Diaspore & pyrophyllite Mine of M/s Eastern Minerals with lease area of 9.67 Ha is located at village nandanwara, Tehsil Jatar, Distt. Tikamgarh. There is no forest land within the lease area. The Mining lease was first granted for 20 years w.e.f. 08/05/1984. The lease deed was further renewed for 20 years w.e.f 07/05/2004. The mine is reported to be closed since 07/11/1992. Other details on the project as reported by the PP are as follows:

- ☐ The mining plan was approved by Indian Bureau of Mines vide letter No. M.P./Tikamgarh/Dias-pyro/MPLN/R-03/08-09 dated 19-09-2008. The mining scheme for the period 2009-10 to 2013-14 has been approved by IBM vide letter No. M.P./Tikamgarh/Dias-pyro/MS/R-28/2010-11 dated 15.04.2011.
- ☐ The envisaged production capacity is 1360 & 15530 Tonnes of ROM per annum for Diaspore & Pyrophyllite respectively.
- ☐ The presentation of the TOR was made on 01.06.2010 before SEAC and TOR was issued on 02.08.2010.
- ☐ Nandanwara Diaspore & Pyrophyllite Mine is located in the village Nandanwara ,Tehsil Jatar in Tikamgarh district of Madhya Pradesh State.
- ☐ The nearest town is Prithvipur which is 4 kms from the mine and the nearest railway station is Jhansi which is about 40 kms from the mine.
- ☐ The co-ordinates of the lease area in the Survey of India Topo Sheet No. 54F G/16 are as follows:
 - ☐ Latitude - 25004'02" to 25004'06"N
 - ☐ Longitude - 780 45'30" to 78045'31"E

Topography: The lease area is a hillock with an undulating topography at the foothills. The highest level of the area is reported to be 358.57 m RL, while lowest level of the area is 307.83 m. RL .

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Drainage: No perennial water body has been reported within the lease area. The Nandanwara Tal is located in the eastern direction of the lease. The rain water drains down the slope and meets the natural drain joining the Tal. Nandanwara Tal is a fairly large pond and the water of the Tal is used for irrigation purpose. River Bargi forms the catchment of the area.

Mining

- ☐ Open cast manual mining will be adopted. It is a low production mine of approx. 5 & 51 tonnes per day of Diaspore & Pyrophyllite mineral respectively.
- ☐ Bench height will be 3 m, overall pit slope of 45° and ultimate depth will be 35 m.
- ☐ The diaspore and pyrophyllite will be removed with the help of chisel, spade and crow bar. A portable compressor and jack hammer will be used to dislodge the rocks.
- ☐ Blasting will be done by Slurry explosives with Gelatinous explosive.
- ☐ Manual hand sorting is done to separate Pyrophyllite & Diaspore.
- ☐ **Transportation:** The Diaspore & Pyrophyllite of different grades will be transported by tractors/ trucks by road to Newari. On an average 56 tonnes of mineral will be transported per day for which 5 to 6 trucks will be required.
- ☐ **Mineable reserves :** The Net Mineable Reserve are 13728 and 145363 metric tones respectively for Pyrophyllite & Diaspore.
- ☐ Life of the mine is around 9 years w.e.f. the year of start of production.

Air Pollution Control Measures

To ensure the PM 10 level remains within the safe limit, adequate provisions will be made for further controlling the air pollution. In Mining activities, the sources of fugitive dust are drilling, blasting and hauling. The following control measures are proposed:

- ☐ The wet drilling system will be adopted.
- ☐ At mines, water sprinkling will be done on the haul roads, working faces and stacking areas.
- ☐ Phased reclamation & rehabilitation of mined out areas & waste dumps and tree plantation will help to reduce the generation of fugitive dust.

Water Pollution Control Measures

Mine is reported to have no wet process.

- ❖ The safety zone will be covered with green belt followed by bushes and grass.
- ❖ Rain water runoff only is likely to cause turbidity for which check dams/ silt ponds proposed to be constructed in the course of rain cuts.
- ❖ The check dams will be constructed by boulders to check the speed of the water, as well, the wash off material also gets arrested.
- ❖ The water after passing through the check dam will be collected in a sump.
- ❖ The overflow, free from silt will be allowed to go outside the lease area.
- ❖ The existing plantation and proposed tree plantation will also definitely check the flow of turbid water to the nala.

Noise & Vibration level control measures

- ❖ Blasting will be carried out strictly as per Central Mining Research Institute (CMRI)

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- ❖ report and additional conditions given by state government.
- ❖ Delay detonator blasting pattern will be adopted to control vibrations & throw of blasted material, noise & ensure better fragmentation.
- ❖ Blasting will be done before & after working hours when the number of the working persons are very less.
- ❖ The blasters and helpers are provided earplugs.
- ❖ Proper maintenance of machineries and transport vehicles will be done to reduce the noise and keep the same within reasonable limit.
- ❖ Further, noise level measurements in the mine area will be carried out once in every six months.

Major Public Hearing Issues:

SN	Issue raised	Action Taken	Amount Spent / Proposed (Rs.)	Remarks
1.	Local Employment	Expansion of the mine will generate employment for 80-100 persons in which mostly local people will be given employment.		
2.	Plantation on dump	Plantation will be carried out on the dump slope which will prevent wash out during rains. Plantation will also be carried out, outside lease area. The existing plantation and proposed tree plantation will check the flow of turbid water to the nala.	Rs.40500 per annum	Will start in the 1 st year of production. These activities will be completed within one year from starting of the mining operation.
3.	Drinking water facility and medical facilities	Water supply from the well and storage tank for rain water One doctor with para-medical staff will be appointed for regular health check-up	Rs. 15,000 thousands	Within one year of start of mining operation Doctor's facility and other medical services will be started with the start of Mining production
4.	Public transport & communication	Repairs of road will be done as per requirement	Rs. 10,000	As decided and required
5.	Education and training facilities	Infrastructural facility will be provided to Nandanwara Primary School. Uniforms and study materials will be provided to students. Financial assistance will be provided.	Rs. 20,000	Immediately with the start of the mine.

Documents submitted by the PP are:

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- Copy of mining lease.
- Copy of approved mining plan.
- NOC from forest department.
- NOC from Gram Panchayat.

After deliberations committee has asked the PP to submit following information along with the supporting documents where ever required:

- Affidavit with commitment for conservation of existing worship place and proper approach road for the visitors visiting the temple to be furnished.
- Written commitment for safe blasting operations strictly as per the guidelines issued by the concerned authorities to be submitted.
- Budgetary provisions for the CSR activities to be furnished.

Meeting ended with thanks to the chair.

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