

The 271<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 02<sup>nd</sup> March, 2016 under the Chairmanship of Dr R.B. Lal for the projects / issues received from SEIAA. The following members attended the meeting-

1. Shri K. P. Nyati, Member
2. Dr. U. R. Singh, Member
3. Dr. Mohini Saxena, Member
4. Dr. Alok Mittal, Member

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

1. **Case No.- 2552/2015 Shri Ajay Kumar Tiwari, EE, Div. No.-4, M.P. Housing & Infrastructure Development Board, 1<sup>st</sup> Floor, Satellite Plaza, Ayodhya Nagar, Bhopal-462041 (M.P.) Proposed "Group Housing Project - "Suramya Parisar" at Phase-III, Ayodhya Extension, Opp. Rajiv Nagar, Distt-Bhopal (M.P.) Total Plot Area-1,11,400.00 m<sup>2</sup> Build up Area-2,39,636.20 m<sup>2</sup>. (EIA Consultant: Ascenso Enviro Pvt Ltd, Noida)**

This is a building construction and area township project covered as item 8 (b) in the Schedule of EIA Notification hence requires prior EC from SEIAA before commencement of activity at site. The application was forwarded by the SEIAA to SEAC for scoping so as to determine TOR for the project to carry out EIA and prepare EMP for the project. The salient features of the project were presented by the PP and their consultant. The project is proposed on a plot area of 1,11,400.00 m<sup>2</sup> with total built-up area of 2,39,636.20 m<sup>2</sup>.

The case was presented PP and their consultant for TOR in the 192<sup>nd</sup> SEAC meeting dated 08/05/2015 wherein by Based on the submissions made by the PP and the presentation the Committee recommended for inclusion of following points to be addressed in the EIA / EMP in addition to standard TOR:

- Provision of mobile type of toilets and shelter for the project workers to be made.
- Concept and design of STP has to be finalized and presented.
- Plantation scheme with provision of double row peripheral plantation to be furnished.

The EIA was presented in this meeting wherein PP and their consultant were present. After presentation, PP was asked to submit response on following quarries:

1. During presentation PP informed they have been exempted for providing housing for EWS by T&CP as the same have been provided in other nearby project. PP was asked to provide complete details of above with exemption letter from providing housing for EWS from concerned authority.
  2. Management plan of excavated soil during construction phase.
  3. A commitment from PP that fuel and other facility to labors will be provided during construction phase.
  4. Details about proposed batching plant and plan of storage of raw materials.
  5. Details about peripheral plantation and detailed plantation scheme.
  6. Children's play area should be marked on layout map and submitted.
  7. Revised project schedule chart because as per submitted chart many activities have started.
  8. Revised plan of 'Role & Responsibility of Developer' as per existing designation in the organization.
  9. Revised parking plan.
2. **Case No. - 4433/2015 Executive Engineer, M.P. Housing & Infrastructure Development Board, Division-Khandwa, A-576, Civil Lines, Khandwa-450001 (MP) Prior Environment Clearance for proposed Residential Housing Project "Tulja Vihar" at Khasra No.-238, 239, from 245/1 to 245/3 and from 246, 247/1 to 247/12, Village-Mallipura, Tehsil-Khandwa, District-Khandwa (MP) Total Plot Area - 16.23 Ha., Build up Area-43244.00 Sqm.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

Neither the Project Proponent (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 subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

3. **Case No. - 4931/2016 Sh. Suresh Kumar CEO, Gwalior Development Authority, Vikas Bhawan , 1 Ravi Nagar Gwalior (MP)- 474002 Construction of affordable Housing**

**Project “Atal Ashray Yojna”, at Survey No. – 322, 323, 324,325, 326, Vill. – Jazderua Kalan,Th.- Gwalior, Distt. - Gwalior, M.P. Total Project Area – 24750 Sqm., Build up Area – 37124 Sqm.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

**Site Specific details**

Particulars	Details
Location	<b>Environment Clearance of Affordable Housing Project “Atal Ashray Yojna”</b> at Survey No. 322, 323, 324, 325, 326 at Village- Jaderua kalan, District- Gwalior, Madhya Pradesh, India.
Type of Project	Building and large construction project
Category	B, Type- 8(a)
Elevation (m)	194 m above mean sea level
Latitude and Longitude	26°15'23.35"N, 78°14'15.32"E
Current status of land	Residential Landuse as per GDA Master Plan, 2021
Type of facilities	Housing with basic Facilities
Nearest Highway	Outer circular road: 800 m (S) NH-3(Mumbai-Agra) : 11 km (S) NH-92 (Bhongaon- Gwalior): 2.5 km (W)
Nearest railway station	Birla nagar railway station: 5 km (W) Gwalior junction railway station: 7 km (W)
Nearest airport	Raj mata Vijayraje Scindia air terminal : 4 km
Rivers/Lakes	Morar River : 450 m (E) Shank River : 18 km (W)
Seismic zone	Seismic Zone-II as per BIS 2002 map.
Defense installations	Gwalior Cantonment Area: 3.5 km (S) Maharajpur Air Force Station: 4 km (S)

Area Statement

S. No	Items	Details
1.	<b>Type of Building</b>	<b>Residential</b>
2.	Net plot Area	24,750 sq mt
3.	<b>Ground Coverage</b>	Permissible: 7,425 sq mt (30%) Proposed: 7,209 sq mt (29.1%)
4.	<b>FAR</b>	<b>Total Permissible FAR (@ 1.50) = 37,124 m<sup>2</sup></b>  <b>Proposed FAR: 37,124 m<sup>2</sup></b> For Residential Development = 23092.9 m <sup>2</sup> For convenient shops, health center and school building= 14032.1m <sup>2</sup>
5.	<b>Built up area (as per MoEF )</b>	<b>37,124 m<sup>2</sup></b>
6.	Total open area	17,541 sq mt (70.9% of net plot area)
7.	Internal roads and Paved area	5,680 sqm (23% of net plot area)
8.	Green Area	Proposed: 2,780 sq mt (11.23 % of net plot area)
9.	No. of Trees (Required-1 Tree/100 sqm of open area)	Required: 175 Trees Proposed: 200 Trees
10.	Number of floors	G + 3 floors
11.	Parking facilities	<b>Not Required</b>
12.	Power requirement & source	1500 kVA Source : Madhya Pradesh KshetraVidyutVitran Company Limited
13.	<b>Power Backup</b>	1 DG set of 50 KVA
14.	<b>Water Requirement and Source</b>	<b>Fresh Water Demand : 406 KLD</b> <b>Recycled Water: 24 KLD</b> <b>Total Water Demand : 430 KLD</b> <b>Source: Ground water</b>
15.	<b>Total Dwelling Units</b>	<b>576 Units</b> (EWS Unit 192 LIG Unit 384)
16.	<b>Estimated Population (fixed + floating)</b>	Residential ó 2880 (@5 person per unit) School ó 200 Health Center ó 160 Convenient Shops ó 20 Visitors ó 288
17.	<b>Height of the Building</b>	G + 3 (12 m approx.)

**Development mix of the project**

Sl no	Building type	No of towers	No of units per floor	No of floors	Total no of units
1.	LIG block	6	16	4	384
2.	EWS block	3	16	4	192
					<b>Total no of units = 576</b>

**Water Balance Operation Phase**

S. No.	Description	Total Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
1	<b>EWS /LIG (576 units)</b>	2880	135	389
2	<b>School</b>	200	45	9.0
3	<b>Health Centre</b>			
	i Staff	10	45	0.5
	ii Visitors	150	15	2.3
4	<b>Convenient Shops</b>	20	45	0.9
5	<b>Visitors @10%</b>	288	15	4.3
<b>Total Domestic water</b>				<b>406</b>
6	<b>Horticulture and Landscape development</b>	2780 sqm	5 l/sqm	14
7	<b>Vehicle, Road washing and other low end uses</b>			10
<b>Total Water Requirement</b>				<b>430</b>

### Solid waste Generation

S.No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)(including LIG)	2880	1440
2.	staff (@0.15 kg/day)	230	35
3.	Visitors (@0.15kg/day)	438	68
<b>Total Solid waste generated</b>			Approx. 1543 kg/day
Horticulture Waste (@ .0037 kg/m <sup>2</sup> /day)			11 Kg/Day
E-Waste (0.15 kg/C/Yr)			< 1 Kg/Day

The case was presented by the PP and their consultant wherein in it was observed that the total fresh water requirement is 406 KLD and for conservation of water committee advised the PP should explore the possibility of providing dual plumbing. After presentation PP was asked to submit response on following quarries:

1. Revised plantation scheme with details of peripheral plantation.
  2. Revised parking plan.
4. **Case No. - 4954/2016 Shri Badri Prasad Patel, Proprietor, M/s Patel Builders, 63/6/1, Siddi Bhawan, Chunna Bhatti, Bhopal (MP)-462016 Prior Environment Clearance for proposed Multi Residential Colony (Sidhi Sanskriti) Built-up Area-29821.24 sqmt., Total Plot Area-20600 sq.mt., at Survey no.-151, Vill.- Salaiya, Teh-Huzur, District-Bhopal (MP)**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was scheduled for the presentation today but none of the members had received the documents related to the project prior to the meeting. Thus committee decided that the PP

may be called again for the presentation in the subsequent meetings of SEAC and PP was also requested to forward the documents well in time to all the members for appraisal of the project.

**5. Case No. - 4965/2016 Shri Rajesh Kasliwal, Managing Director, M/s Vishesh Diagnostics Pvt. Ltd., A.B. Road, Geeta Bhawan Chouraha, Indore (MP)-452001 Prior Environment Clearance for proposed Nursing Home & Hospital at Khasra No.-89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1, Village-Chitawad, Tehsil-Indore, District-Indore (MP) For Building Construction.Env. CES, Bhopal(M.P.)**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

This is a proposed Hospital Building unit along with guest house. The project is proposed at khasara No. : **Khasra No. 89/1/1, 89/1/2, 90/1, 91/3, 97/2, 91/2, 89/1/3, 92/2/1 Village Chitawad & Plot No. 2, ring Road, Yojna No. 94, Sector-1.** The land is owned by the project proponent. A subcommittee of SEAC has visited the site on 13/02/2016 and it is found that no construction activities has been taken up by the PP hence no violation. The submission and presentation made by the PP reveals following: .

**Project Details:**

Facility	Hospital & Guest House
Total No. of Beds	200 Nos.
Total Water requirement	274 kld
Fresh Water requirement	145 kld
Power requirement	2343 KW
Backup Power facility	2 x 1250 KVA
Municipal Solid Waste	0.25 ton per day
Bio medical waste	0.06 ton per day
Height of the Building	24m
Parking area	8540 sqm
Parking Nos.	244 ECS
Area under greenbelt	2168.53 sqm
Area under Road	5595 sqm

**Details of Approvals Obtained**

- T & CP Approval
- Permission for water supply from corporation vide letter No. 5722/15-16 dtd. 20/11/15.
- Solid waste disposal/ BMW from CMO Indore vide letter No. 29917dtd. 09/11/2015.
- Sewage disposal vide letter No. 2581/15-16 dtd. 20/11/2015.

**Statement of area**

HOSPITAL BUILDING			
sl no.	FLOOR	Construction Area	Unit
1	Basement-2	7502.37	SQM
2	Basement-1	8235.1	SQM
3	Ground floor	3200.65	SQM
4	First Floor	2867.03	SQM
5	Secont Floor	3193.34	SQM
6	Third floor	3195.19	SQM
7	Service floor	3311.01	SQM
8	Fourth Floor	3197.64	SQM
9	Fifth Floor	1958.35	SQM
10	Sixth Floor	1958.35	SQM
11	Mumty	131.11	SQM
	Total	38750.14	SQM

Guest House BUILDING			
Sl no.	floor	Construction Area	Unit
1	Ground floor	570.87	SQM
2	First Floor	570.87	SQM
3	Secont Floor	570.87	SQM
4	Third floor	570.87	SQM
8	Fourth Floor	570.87	SQM
9	Fifth Floor	570.87	SQM

10	Mumty	32.4	SQM
	<b>Total</b>	<b>3457.62</b>	SQM
<b>Total Construction area for both building</b>		<b>42207.76</b>	SQM

### Source of water supply

1. During construction phase water will be taken from the private tankers, or from existing well.
2. The IMC will supply water for the project. It is submitted that sewerage network is in the area is well developed hence excess treated water after reuse in flushing / HVAC system and land scaping shall be discharge in to the same.

### Water balance

Total Treated water = 274 KLD

Make up water = 145 kld

### Availability of Recycled water

Flushing = 32 KLD

HAVC system = 87 KLD

Horticulture = 6 KLD

Total = 125 KLD

### Energy conservation measures ó

S. No.	description
1	Solar lighting is proposed for open spaces.
2.	LED lighting will be done
3.	Green LED based lighting in the interior
4.	Solar water heater

### Land Scope Proposal

2168.53 sq mt area as open for landscaping was proposed which is 12 % of the total plot area. PP has submitted the landscape layout with area of landscape.

The submission and the presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 145 KLD
2. Roof type solar system shall be provided.
3. STP is proposed in 1st basement and hence proper ventilation shall be ensured.
4. Thick green belt shall be developed all around the periphery of the project site.

### **Fire & safety measures**

The planning of the Fire Safety and life safety scheme for the entire Building is based on the following consideration:-

- National Building Code (NBC) and local fire norms.
- Indian standard-3844
- Indian standard-2189
- Indian standard-2190
- Directive of Local fire authorities

### **Portable Fire Extinguishers:**

- The following type of portable fire extinguishers shall be provided at all floors of the blocks, at strategic location as marked on the building plans as per IS:2190.
- Mechanical foam type fire extinguishers 9 liters capacity each conforming to IS: 10204.
- CO<sup>2</sup> type fire extinguishers 4.5 Kg capacity each conforming to IS: 2878.
- Dry Chemical Powder type fire extinguishers (Stored Pressure Type) 5 Kg capacity each conforming to IS: 13849.
- Fire bucket with stand (For sand / water)

### **Environmental Management Plan**

- Storm water within the site will be allowed to the recharge pits/ trenches through proper storm water drainage network. A collection sump of adequate capacity will be made to collect the overflow. The storm water shall be diverted to storm water drain. Thus flooding on the proposed site is not envisaged.
- Vertical rain water pipes provided as per requirement and as per site conditions will collect the rainwater through khurrahs and this will discharge into masonry storm water drains with SFRC Covers.

- Drainage system shall be designed and various statutory codes. Surface drainage consisting of surface drains and underground storm water disposal pipes will be provided so that there is no accumulation of rain water. In addition to this Rain Water Harvesting and Ground Water Recharge structures will also be provided to make optimal use of the rain water so collected.
- Rain water harvesting schemes will be implemented within the complex for the conservation of water resources as per the Central Ground Water Board Guidelines and local regulations.

### **Solid Waste Management**

It is estimated that at about 0.25 ton per day of municipal solid waste and 0.06 ton per day BMW will be generated and from the project during the operation.

### **Construction Debris**

Construction debris is bulky and heavy and re utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity.

Recycled aggregate will be used for filler application, and as a sub base for road construction. Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be given to recyclers.

Construction contractors shall remove metal scrap from structural steel, piping, concrete reinforcement and sheet metal work from the site. A significant portion of wood scrap can be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

### **Operation Phase**

#### **Collection and transportation**

During the collection stage, the biodegradable and non- recyclable/ non biodegradable waste will be stored and collected separately. The non- recyclable and non-biodegradable waste, sludge from STP and Biodegradable waste will be deposited at a landfill site.

The Bio Medical waste shall be collected and stored in coloured coded bins and disposed as per the BMW(Management & Handling) Rules 1998 and its amendment.

To minimize littering and odours, waste will be stored in well designed containers/bins that will be located at strategic locations to minimize disturbance in traffic flow.

The collection vehicles will be well maintained to minimize noise and emissions, and while transporting waste, these will be covered to avoid littering.

### Disposal

With regard to the disposal/treatment of waste and STP sludge, the waste shall be disposed off at trenching ground of the Indore Municipal Corporation.

### Operational Phase

- DG sets will have appropriate stack height as prescribed by the Central Pollution Control Board
- Proper ventilation will be provided to all parts of the building
- Open burning of any waste shall not be allowed.
- Land scape to be provided in consultation with expert adviser.

Case was presented by PP and their consultant. During presentation and deliberations, it was observed that the site is within 10 Km radius of Ralamandal Abhayaran (a Notified PA) from the Google image based on the co-ordinate by the PP thus clearance from NBWL is therefore needed. Committee after deliberations decided that PP should be asked to apply online for NBWL clearance and a copy of the application may be submitted to SEAC for further appraisal of the project.

6. **Case No. - 4976/2016 Shri Anurag Shrivastav, Executive Engineer, M.P. Housing and Infrastructure Development Board, Housing Board Plaza, Shopping Complex, A.B. Road, Indore (MP)-452011 Prior Environment Clearance for proposed High Rise Development (Apparel Park & Residential Block) Land Area-12747.60 sq.mt. , Built-up Area-53157.6 sq.mt.at Khasra No.-148, 148/1653 & 151/1654, Village-Snehlataganj, Tehsil-Indore, District-Indore (MP) For Building Construction. Env. Con.Not disclosed.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was scheduled for the presentation today but none of the members received the documents related to the project prior to the meeting. Thus committee decided that the PP may be called again for the presentation in the subsequent meetings of SEAC and PP was

also requested to forward the documents well in time to all the members for appraisal of the project.

7. **Case No. - 2318/2014 Mr. Manoj Jain, Plant Head, M/s SRF Limited, Special Economic Zone, Phase-I, Sec-III, Plot No. C-1 to 8, C-21 to 30, D-13 to 18, D-25 to 32 and 41, 41A, 42, 43 & 54, 55, 56 & 56A, Village & Tehsil-Pithampur, District-Dhar (MP)-454775 Manufacturing of Polyester Film & Polyester Resin Production at Indore Special Economic Zone, Phase-I Sec-III, Plot No. C-1 to 8, C-21 to 30, D-13 to 18, D-25 to 32, and 41, 41A, 42, 43 & 54, 55, 56 & 56 A, Village & Teh-Pithampur, District-Dhar (MP) , Product : Polyester Film- 64123 MT/Annum, Polyester Resin – 61000 MT/Annumn( Including value added Metallised film 12000 MT, Holographic Film- 1200 MT) Area- 68592 sq/m. ( ToR (173 Meeting dt. 23/02/15) letter issued letter no. 69 dt. 10/04/15) For EIA Presentation.**

Neither the Project Proponent (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. A letter is submitted by PP informing that due to some causality in family, they are unable to attend the meeting. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings.

8. **Case No. - 4897/15 Shri Deepak Kantilal Shah, Director, M/s SAP Finechem Pvt. Ltd., Plot No. 174, AKVN Industrial Growth Centre, Meghnagar, Taluka-Meghnagar, District-Jhabua (MP)-457779 Prior Environment Clearance for proposed Manufacturing of Dyes & Intermediates, Production Capacity- 300 MTPM, Area- 5000 sq.mt., at Plot No.- 174, AKVN, Industrial Growth Centre, Meghnagar, Taluka-Meghnagar, District-Jhabua (MP)**

The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. PP and his consultant presented the salient features of the project before the committee in the meeting.

The case was presented by the PP and their consultant and after deliberations committee recommended for inclusion of following additional points to be addressed in the EIA / EMP in addition to standard TOR:

1. Worst case scenario study to be carried out with respect to Air, water and Soil environment and the mitigation measures to be proposed accordingly.
  2. Product-wise Water balance along with the overall water balance to be worked out & presented so as to achieve -Zero liquid discharge from the unit.
  3. Latest MSDS data with compliance plan to be furnished for all the raw material / finished products.
  4. Inventory of all the raw material with mass balance of each of the chemicals being used or proposed to be used.
  5. The EIA has to be prepared by an accredited consultant only.
  6. Detailed plantation scheme essentially incorporating thick peripheral plantation to be furnished along with mapping of green areas on a lay-out map.
  7. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.
  8. Plan for prevention of waste water percolation into the ground water to be submitted.
  9. Existing pollution load with respect to air / water and soil to be presented.
  10. List of material proposed to be stored beyond the prescribed thresh-hold limits.
  11. Ground-water study shall be carried out in the region including the water table and the quality.
  12. Committee also proposes to undertake site visit as per the suggestion of SEIAA vide letter no. 7452/SEIAA/2015 dated 09/11/2015 (decision taken in 250<sup>th</sup> SEIAA meeting dated 14/10/2015) and after site visit if required, additional TOR may be issued.
9. **Case No. - 4898/15 Shri Manish B. Shah, Director, M/s Sadhana Fertilizer & Chemicals Pvt. Ltd., Plot No. 100, AKVN Industrial Growth Centre, Meghnagar, Taluka-Meghnagar, District-Jhabua (MP)-457779 Prior Environment Clearance for proposed Sadhana Fertilizer & Chemicals Pvt. Ltd., Production Capacity - 3600 MTPM, Area-12800 Sqmt., at Plot No.- 100, AKVN Industrial Growth Centre, Meghnagar, Taluka-Meghnagar, District-Jhabua (MP)**

The proposed project falls under item no 5(f) i.e. Synthetic organic chemicals hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. PP and his consultant presented the salient features of the project before the committee in the meeting.

Neither the Project Proponent (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 subsequent meetings after

hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

**10. Case No. - 4963/2016 Shri Vivek Maheshwari, Director, M/s Narmada Sugar Pvt. Limited, Village-Thaini, Post-Bankhedi, District-Hoshangabad (MP)-461990 Prior Environment Clearance for 30 MW Bagasse Based Cogeneration Power Plant at Khasra No. 132/1 C, 133, 135/1, 132/1B, 132/1D, 134, 135/2, 1321A, Village-Pondar, Tehsil-Salichouka, District-Narsingpur (MP) Total Land Area – 4.804 Ha., FoR- ToR. Env. Consultant: Not disclosed.**

This is a project pertaining to co generation power plant. The activity is mentioned at S.N. 1 (d) of the Schedule of EIA Notification 2006 as amended from time to time. Hence the project requires prior Environmental Clearance from the SEIAA. The case was forwarded by SEIAA to SEAC for scoping so as to determine TORs to carry out EIA and prepare EMP for the project.

**Salient Features**

<b>The proposed bagasse based power plant is co generation plant. The proposed plant will use the bagasse of the parent sugar plant.</b>	
Site Address	132/1c, 133, 135/1, 132/1b, 132/1d, 134, 135/2 - 132/1a, Village - Pondar, Salichouka, Dist -Narsingpur (M.P.)
Production Capacity	30 MW Power Plant (Bagasse based )
Cost of Project	13490 Lac
Bagasse Requirement	Bagasse (2.55 lakh tonne per Annum)
Steam Requirement for sugar plant	150 TPH
Net fresh Water Requirement	74 KLD
Capital Cost for Environmental measures (proposed )	2.5 Crores
Recurring cost for environmental proposed ( Proposed )	To be estimated in EIA/EMP study
Proposed area for plantation	3.65 acres
Existing area of plantation	2 Acres in the area of sugar plant.
Land acquired	Total 40 acres land is in possession of proponent for sugar plant and further 11 acres land has been acquired for installation of CPP unit
Land required for plant and building	3050 sq mt
Direct employment generation	around 150 number

Type of Boiler	Travelling Grate Combustion
Stack Height	80 mt
Pollution control equipment	Hybrid ESP and Dust Extraction Filters
Level of particulate Matter after ESP	< 150 mg/ NM <sup>3</sup>
Ash Generation	3825 TPD
Silo Capacity	50 MT

### Environment setting

S. No.	Particulars	Details
1	Co-ordinate	22°51'12.60"N- 78°39'2.67"E 22°51'16.24"N- 78°38'58.12"E 22°51'22.80"N- 78°39'5.94"E 22°51'18.52"N- 78°39'12.07"E 22°51'12.67"N - 78°39'7.49"E
2	Height above mean sea level	350-347mRL
3	Nearest Town	Gadarwara - 14.0km
4	Nearest Railway Station	Sali Chouka Road - 3.50km - SE
5	Nearest Airport	Jabalpur - 148km
6	Nearest Highway/Road	Pipariya- Gadarwara SH 22 - Adjoining
7	Hills/Valley	None within 10km radius
8	Ecological Sensitive Zone	None within 10km radius
9	Reserve Forest	None within 10km radius
10	Nearest Village	Salichouka - 1.0km - E
11	Nearest River/ Nalla	Dudhi River - 5.0km - W  Umar (Shkhi) Nadi - 3.50km - NE  Local Nalla - Adjoining - E
12	Other industries in 5 km radius	None
13	Surrounding Features	North : SH-22  South : Agricultural Land  East : Agricultural Land  West : Agricultural Land

### Raw Material Requirement

Item	Value	
	Season	Off season
Crushing rate, TCH	227.27	-
Bagasse generation at 29.00 % on cane, TPH	65.91	-
Bagacillo / handling loss at 0.80 % on cane, TPH	1.82	-
Bagasse available as fuel at 28.20 % on cane, TPH	64.09	-
Total equivalent bagasse available, MT	225600	-
Bagasse required by new boiler, TPH (MT)	55.15 (211776)	43.75 (43650)
Bagasse saved / available for off season operation, MT	-	13824
Bagasse saved / available for off season operation, MT	-	30000
Days on procured bagasse from group sugar Mills	-	29

The fuel for the cogeneration power plant operation will be bagasse. The bagasse from the storage area and last mill will be conveyed to the boiler by a combination of belt and chain slat conveyors. The system shall have provision for returning the excess bagasse to the storage yard. The bagasse handling system shall be designed for a capacity of about 90 TPH. Bagasse / biomass fuels will be fed to the boiler through series of conveyor belts and silo of suitable size manufactured for 10 minute storage of bagasse to drum feeder driven by variable frequency drive. Rotary drum feeders will feed the fuels to extraction type screw feeder driven by constant speed drives.

### Water Balance

Unit	Water Consumption	Waste Water Generation
	Proposed	Proposed
Boiler ( From DM unit)	180 KLD	90 KLD
Aux. Cooling Tower	204 KLD	20 KLD
DM water	300 KLD	120 KLD
Domestic	40 KLD	34 KLD
	554 KLD	264 KLD
Only 74 KLD of ground water shall be abstracted for the purposes of CPP out of total requirement of		

554 cum per day water , as 480 KLD water will be available as condensate from sugar manufacturing unit		
Sr. No.	Items	Treatment & Disposal
1.	Domestic	Domestic effluent from will be given treatment in the Sewage Treatment Plant having capacity of 50 cum per day and will be reused for Horticulture Purpose/Ash conditioning
2.	Boiler, WTP and Cooling Tower	Boiler blow down will be neutralised in neutralisation tank and mix with CT blow down and will be reuse in Horticulture activity/Ash conditioning

### Air Pollution Control Measures

- É ESP will be provided at stack of boiler to control the emission below 150 mg per cubic meter.
- É Dust collectors system shall be provided at various material transfer points. Transfer Points and Conveyors will be provided with dry extracting system facilitated with Bag Filters.
- É Dense plantations will be developed in and around the plant over area of 2 acres.
- É Ambient air quality and stack emission will be regularly monitored to ensure that ambient air quality meets the given standards
- É In order to ensure that the fugitive dust emissions due to transportation activity as low as possible, all the roads within the plant areas shall be asphalted.
- É All the unpaved roads as well as paved roads will be sprinkled with water.
- “ Plugging all leakages and enclosing storage and material handling systems.
- “ All concerned workers shall be provided with dust mask or other safety t .
- “ Screen House shall be totally enclosed with brick-sheet walls and covered with sheet roofing

### SOLID WASTE MANAGEMENT

Following will be solid waste management practice to be adopted by unit:

- É Fly ash from the boiler will be given for brick /cement manufacturing. unit
- É Waste papers and boxes will be sold off to vendors/ recyclers
- É Used oil from DG set will be given to authorized recyclers.

**Afforestation Plan**

Year	Area ( Sq mt)	Number of Plants
1 <sup>st</sup> Year	4000	800
2 <sup>nd</sup> Year	4000	800
3 <sup>rd</sup> Year	3000	600
4 <sup>th</sup> Year	3000	600
5 <sup>th</sup> Year	1850	400
Total	15850	3200
Existing At Sugar unit	2 Acres	

Project proponent and his consultant presented the salient features of the project, PFR, baseline data and the proposed TOR before the committee. PP also informed that they have started collecting the baseline monitoring data from February 2016.

After presentation committee decided to issue standard TOR prescribed by the MoEF&CC for conducting EIA with following additional TOR;

1. EIA should discuss the possibility of pre-drying of bagasse before burning in the boiler.

**R.B. Lal**  
**Chairman**