

The 288<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 30<sup>th</sup> March, 2017 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. Shri R. Maheshwari, Member.
5. Dr. S. K. Iyer, Member.
6. 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. – 5517/2017 Director, M/s Madhya Bharat Phosphate Private Limited Unit III, Plot No. – 176, AKVN Industrial Area – Meghnagar, Distt. – Jhabua (M.P.) 457779 M/s Madhya Bharat Phosphate (P) Limited Manufacturing of Acid Slurry “LABSA” – 12480 MT/Annum at Plot No. – 176, AKVN Industrial Area- Meghnagar, Distt. – Jhabua (M.P.) Env. Cons. - Creative Enviro Services, Bhopal (M.P.).**

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.

The present proposal is for setting up a 40 TPD unit of Acid Slurry (Linear Alkyl Benzene Sulphonic acid- LABSA) at Plot Number-176 AKVN Industrial Area Meghnagar, Jhabua (M.P.) with an estimated cost Rs. 270 Lacs. The proposed project will be set up within the existing premises of SSP/GSSP unit of Madhya Bharat Phosphate Pvt. Ltd).

PP and their consultant presented the case for ToR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

#### **Salient features of the project**

Particulars	Details
Project	Manufacturing of Acid Slurry (LABSA-90% : 40 TPD Or 12480 TPA

Total Power requirement for process	50 KW
Total Land available	Proposed LABSA unit is interlinked with Existing GSSP/SSP unit. The total Land area available with the unit is 26,600 sq.mt. out of that 3592 sq.mt land is earmarked for the proposed plant.
Raw material required	Linear Alkyl Benzene - 675 MT per Month Sulphuric Acid 98% - 1015 MT per Month
Source of Power	Madhya Pradesh State Electricity Board (MPSEB).
Water Requirement & Source	33 KLD through AKVN water supply
Fuel Requirement	HSD (for D.G. Set) in emergency only
Cost of project	270 Lacs
Cost of Pollution Control Equipments	Approx 5 Lacs
Number of employment generation	10 persons
Recurring cost for environmental proposed (Proposed)	To be estimated in EIA/EMP study
Proposed area for plantation	751.501 sq mt
Existing area of plantation	10653 sq mt
Fund for CSR activities	As per guidelines

- No ecologically protected area or archeologically protected site or other environmental sensitivity has been reported within 10 km radius of the site. Industry has obtained NOC in this regard from DFO
- Industry will cater water requirement from AKVN Meghnagar

**Land break up:**

S. No.	Section	Area (m <sup>2</sup> )
Land earmarked for proposed unit : 3592		
1	Electric Unit area	146
2	Panel room area	92.71
3	Offices area	80
4	Store Room	160
5	Workshop area	248
6	Loading and unloading point	680
7	Main plant area	296
8	Green area	751.50
9	Toilet unit area	31.39
	Total area	3592

**Environmental Setting of Project**

Particulars	Details
Locations	
A. Village	Meghnagar Industrial area
B. Tehsil	Meghnagar
C. District	Jhabua
D. State	Madhya Pradesh
Latitude	23°55'12.04" N
Longitude	74°33'45.65" E
Height above mean sea level	312 mRL

Nearest National/ State Highway	Meghnagar - Ujjain - 0.3 km -N
Nearest Railway Station	Meghnagar - 2.74 km
Nearest Airport	Indore- 130 km
Nearest Tourist Place	None within 10km radius
Archaeological Important Place	None within 10km radius
Ecological Sensitive Areas (Wild Life Sanctuarie	None within 10km radius
Reserved / Protected Forest within 10km radius	None within 10km radius
Nearest Town / City within 10km radius	Meghnagar - 2.74 km
Nearest village	Agral- 1.60 km - E
Nearest River	Anas River- 4 km- S
Nearest Hill Ranges	None within 10 km radius

#### Raw Material Requirement

S. No.	Name of Raw Material	Consumption per month	Means of Storage	Mode of Transportation	Source of Supply
1	Linear Alkyl Benzene	675	Tankers	By Road	M/s Reliance Industries. M/s TIPL
2	Sulphuric Acid	1015	Tankers	By Road	M/s IOCL M/s IPCL

#### Water balance

Water Balance		
Sr. No.	Particulars	Quantity (KL per day)
1	Domestic	05
2	Gardening	05
3	Industrial ( for cooling & addition )	23
	<b>Grand Total</b>	<b>33</b>

Source: Fresh water requirement will be catered from AKVN water supply.

- It is reported by the PP that No effluent shall be generated from the process. Domestic effluent passes through septic tank/soak pit of adequate capacity.
- No waste water is generated in the plant operation. All the water is recycled back in to the process. Only domestic waste water is generated

#### Solid / Hazardous Waste Management

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

- Spent acid shall be used for manufacturing of SSP
- Waste papers and boxes will be sold off to vendors/ recyclers
- Used oil from DG set will be given to authorized recyclers.
- Discarded drums shall be given to the authorized recyclers

The case was presented by the PP and their consultant wherein PP informed that this is an existing SSP unit and LABSA will be produced as additional product. The generated spent acid will be utilized in the existing plant. PP further submitted that approx. 3600 sq. meter area is required for LABSA plant which is available in the existing premises. PP also submitted that baseline data collection has been started from March, 2017. Committee also proposes to carryout site visit of this plant as per the policy decision of SEIAA and any additional TOR may be issued after the site visit (if required). The committee after deliberations decided to issue standard TOR prescribed by MoEF&CC with following additional TORs:

1. Justify in EIA report how zero discharge will be maintained.
2. MoEF&CC compliance report of earlier EC conditions issued for SSP plant duly verified by the competent authority.
3. Justify in EIA report wrt to available space and proposed machinery for the new plant and other facilities.
4. The comprehensive EIA study of AKVN Meghnagar industrial area is being carried out by AKVN. The recommendations made / issues raised in this comprehensive EIA study will have to be addressed by PP.

2. **Case No. - 5507/2017 Public Works Department, Project Implementation Unit, Bhopal Shed No. - 14A, Jawahar Chowk, Distt. - Bhopal, (M.P.) – 462003 Prior Environment Clearance for Revision and Expansion Project Hamidia Hospital (Smart Medi City), Royal Market, Hamidia Road, Peer Gate, Bhopal, (M.P.) Plot Area – 1,61,915.4 m<sup>2</sup>, Cat.- 8(b) Project. Building Construction. Env. Cons.-GRC India (P) Ltd. Noida (U.P.).**

This is a case of Prior Environment Clearance for Revision and Expansion Project Hamidia Hospital (Smart Medicity), Royal Market, Hamidia Road, Peer Gate, Bhopal, (M.P.) Plot Area – 1,61,915.4 m<sup>2</sup>, Built Up Area of Hospital – 1,87,470.15 m<sup>2</sup> Cat. 8(b) Project. The application was forwarded by SEIAA to SEAC for appraisal.

The case was presented by the PP and their consultant in the 287<sup>th</sup> SEAC Meeting dt. 25/02/2017 wherein following submissions were made by the PP:

- M.P. Public Works Department proposes the revision/modification and expansion of Hamidia Hospital (Smart Medicity) located at Royal Market, Hamidia Road, Peer Gate, Bhopal, Madhya Pradesh.
- As a result of proposed modification and expansion, the site area will remain same as earlier 1,61,915.4 m<sup>2</sup> (40.01 acre). However, the built-up area will increase from 76,641.62 m<sup>2</sup> to 1,87,470.15 m<sup>2</sup>.

- As per the gazette notification dated 22<sup>nd</sup> Dec., 14, educational institutional projects including colleges and hostels are exempted from Environment Clearance.
- Further, as per MoEF&CC circular dated 9<sup>th</sup> Jun., 15 a clarification was issued that in case of medical universities/institutes, the component of Hospitals will continue to require Environment Clearance.
- Hamidia Hospital is located within the premises of Gandhi Medical College which is among the oldest and most prestigious medical colleges of Madhya Pradesh and India and was established in the year 1955.
- Modification/Revision: Certain existing buildings will be retained while some would be demolished. It is also proposed to add some new buildings.

**Details of Hospital part:**

Existing buildings to be <b>Demolished</b>	ETP, Admin and Blood Bank, Charm Rog Vibhag, Physiotherapy, Lions ward Old Pvt. Deptt., Operation Theatre and Eye Ward, Operation Theatre, ICCU Cardiology and Medical Ward, Medical Ward
Existing buildings to be <b>Retained</b>	Virology Lab, Animal House, Kamla Nehru Hospital, Lab, Admin & Blood Bank, Old OPD, New OPD
Proposed <b>Buildings</b>	<b>New</b> Hospital Block I, Hospital Block II, Multilevel Parking 10 and 11, Connecting Bridge

**Details of remaining part of Gandhi Medical College (excluding Hospital)**

Existing buildings to be <b>Demolished</b>	Girls Hostel (A3, B4 Block), Boys Hostel (B5 Block), Quarters (A4, A7, B7, B8), Houses (A5, A6, B6), Post Office, Hawa Mahal, Corridor, Kitchen, Garage, Restaurant, Nurse Hostel, H Shade
Existing buildings to be <b>Retained</b>	Boys Hostel (M1-M3), Girls Hostel(D2, D1), Guest House, Gandhi Medical College, Mosque, Staff Quarter(J), Sports Block, Hostel adjoining Kamla Nehru Hospital.
Proposed <b>Buildings</b>	<b>New</b> Nursing College and Hostel, Hostel 7

After presentation, PP was asked to submit following details for further considerations of the project:

1. During presentation and deliberations, it was observed by the committee that the site is within 10 Km radius of Van Vihar National Park (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.
2. PP was also asked to submit the revised form-1 as important environmental features such as Upper Lake, Lower Lake, Defense installations etc. which are in the vicinity of the project site and their details are not mentioned in the from-1 "Environmental Sensitivity".

PP vide letter dated 03/03/2017 has submitted the revised application with copy of online application for NBWL clearance (Proposal No. FP/MP/DISP/1504/2017 Date of submission 02/03/2017) which was forwarded by the SEIAA vide letter no. 5478/SEIAA/17 dated 07/03/2017.

The case was presented by the PP and their consultant wherein PP informed that this is an existing hospital attached with medical college. PP further submitted that some existing buildings will be demolished as per the details given in the proposal and they have started baseline studies from the December, 2016. PP also submitted that since the site is within 10 Km radius of Van Vihar National Park (a Notified PA) clearance from NBWL is therefore needed and thus they have filled online application for NBWL clearance with Proposal No. FP/MP/DISP/1504/2017 & date of submission 02/03/2017. Committee also proposes to carryout site visit of this project and any additional TOR may be issued after the site visit (if required). The committee after deliberations decided to issue standard TOR prescribed by MoEF&CC with following additional TORs:

1. Complete demolition plan illustrating impacts on the existing facilities and activities and the preventive measures proposed to be taken should be discussed in the EIA report.
2. Any buildings of archeological importance should be reported in the EIA report.
3. Population load of attendants with patients, canteens, restaurants etc should also be added in all the load calculations and for prediction of impacts.

4. Disposal plan of C&D materials should be provided with the EIA report.
5. If any tree felling is involved same should be addressed in the EIA report with compensatory plantation scheme.
6. T&CP approval should be submitted with the EIA report.
7. Various facilities proposed for the attendants of patients should be discussed in the EIA report.
8. Green belt plan with name of species, their numbers on layout map should be provided with the EIA report.
9. If laundry is proposed its details, load and disposal plan should be provided with the EIA report.

3. **Case No. - 5523/2017 Govt. Bundelkhand Medical College, Shivaji Ward, Tili Road, Sagar, Distt. Sagar (M.P.) Prior Environment Clearance for Common Bio Medical Waste Treatment Facility through 100 kg per hour rotary kiln based bio medical incineration project at village Habsili, Distt. - Sagar, (M.P.) Cat. 7(da) Project.**

The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category “B” Projects of activity 7 (da) as per EIA Notification dated 14<sup>th</sup> September, 2006 and its subsequent amendments dated 17<sup>th</sup> April 2015, under Bio- Medical Waste Treatment Facilities. 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 of SEAC.

4. **Case No. - 5524/2017 Saagar MSW Solutions Private Limited, 6-3-1089/G/10 & 11, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad – 500082 Prior Environment Clearance for Development of an Integrated MSW Processing and Disposal Facility at Maswasi Grant Village, Distt. - Sagar, (M.P.) Cat. -7(i) Project. Env. Cons.- Ramky Enviro Engineers Ltd. Hyderabad.**

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The current Municipal Solid Waste (MSW) management system in Sagar town and ten (10) other surrounding Urban Local Bodies, ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur) currently does not comply with Solid Waste Management Rules, 2016. Government of Madhya Pradesh (GoMP), realizing the necessity of efficient waste management system, wanted to establish an Integrated MSW processing and Disposal Facility on Public Private Partnership (PPP) basis for management of MSW generated in Sagar Town and 10 other surrounding ULBs.

Sagar Municipal Corporation, with an objective to set up an “Integrated Municipal Solid Waste Management Project” on regional basis through private participation on Design Build, part-Finance, Operate and Transfer (the “DBpFOT”) basis, adopted a one stage online competitive bidding process, and selected “Saagar MSW Solutions Private Limited (SMSWSPL)”, for management of MSW generated in Sagar town and 10 other surrounding ULBs. Considering the population projection, the SMSWSPL proposes to establish a **350 TPD Integrated MSW Processing and Disposal Facility** in Maswasi Grant Village, Sagar District with facilities such as Composting/Dry Fermentation (for recovery of organics), Materials Recovery Facility (for recovery of recyclables), Refuse Derived Fuel (RDF) facility for recovery of high calorific value waste, Sanitary Landfill (for disposal of inerts) and Incinerator for leachate treatment/disposal, RDF disposal, and for animal carcass.

The proposed Integrated Waste Management Facility will be established in a land of about **14.38 hectares** located within Sagar town. No alternative sites were considered for development of this facility. Site Features are :

Nature of the Project	Integrated MSW Processing and Disposal Facility
Location	Maswasi Grant Village, Sagar (23°55'38.28" N, 78°43'29.88" E)
Land Area	14.38 Hectares (35.53 Acres approximately)
Nearest Town	Sagar Town (8 km)
Nearest Railway Station	Saugor railway station (8 km)



Nearest Airport	Dhana Airport (22 km)
Nearest Highway	AH 43 (0.6 km)

Based on the waste characteristics, proposed process consists of Dry Fermentation (*anaerobic digestion*), Compost Plant (*aerobic digestion*), Refuse Derived Fuel (RDF) Facility, and Material Recovery Facility (MRF) etc.

The water requirement for operating the proposed facility is about 10 KLD. It is expected that Sagar Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is about 0.5 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.

It is estimated that it will take up to 15 months for execution of the proposed project (Integrated MSW Processing and Disposal Facility) with all the facilities proposed. Operations will continue for a minimum of about 17.5 years at this facility and will be further extended by another 5 to 10 years. The approximate cost estimate for the proposed facility is about INR 49.5 Crores. About 25 full time employees and 30 contractual employees will be employed for project operation. About 200 indirect employment will be generated for primary/secondary collection, transportation etc.

The case was presented by the PP and representatives of M/s Sagar MSW Solutions Private Limited, Hyderabad and Ramky Enviro, Hyderabad wherein during presentation PP informed that they have started collecting the baseline data from the December, 2016. Committee after deliberations recommends to issue standard TOR as prescribed by the MoEF & CC for conducting EIA studies along with following additional TOR's:

1. How the waste would be segregated while protecting the health of the workers so as not to cause adverse effect on them should be discussed in EIA.
2. Since the proposed site is only 100 meters away from the village road, thick green belt of 50 meters should be developed towards the road side and proposed administrative building should be atleast 200 meters away from the village road to avoid odour and revised layout and plantation scheme should be submitted with the EIA report.

3. Considering the leachates generation, geohydrological studies should be conducted and reported with the EIA report.
4. All the sensitive features and activities within 05 kms of site which will have the impact of this facility should be studied and discussed in the EIA report.
5. How the leachates will be handled be discussed in the EIA.
6. It is proposed that “animal caracals” will be incinerated. Is it possible to recover bones and utilize for other purpose?
7. MSW handling technology should be frezed for all the wastes and worst case scenario be studied and discussed in the EIA.
8. The proposed site is close to railway station, the probable impact be discussed in EIA and mitigative measures should form the part of EMP.
9. Preventive measures that will be taken to avoid occurrence of fire due to methane generation be discussed in the EIA.
10. PP and their consultant informed that they have already stared EIA study including data collection, survey, monitoring etc and requested to use the same. The committee agreed to their request.

5. **Case No. - 5526/2017 M/s Balaji Steroids and Hormones Pvt. Ltd, 15/10, South Tukogunj, Gorani Compounds, Near Treasure Island, Indore, (M.P.) – 452001 Prior Environment Clearance for Proposed Manufacturing of Steroids at Plot No. - F-24, Sector 1, Special Economic Zone, Phase I, (Processing Unit), Ind. Area - Pithampur, Distt. - Dhar, (M.P.) Cat. - 5(f) Project Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug). FoR – ToR Env. Consultant - Anacon Labs, Nagpur (M.S.).**

The project is a Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drug). 5(f) Synthetic Organic Chemicals Industry (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The case was presented by the PP and their consultant wherein following submissions were made by the PP:

Name of the Project Proponent	:	M/s Balaji Steroids And Hormones Private Limited  Jasmina H Aildasani
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Director		
Location	:	Plot no.: F-24, Sector 1, Special Economic Zone Phase I, (Processing Unit), Pithampur, Dhar (Dist), M.P. Pin code - 454775
Office (Regd.)	:	15/10 South Tukoganj, Gorani Compound Near Treasure Island, Indore, Madhya Pradesh, India Pin code - 452001
Name of Promoter/Director	:	JASMINA H AILDASANI (Director)
Proposed Project	:	Proposed Manufacturing of Steroids: Proposed Capacity up to 18 MTPA, Land Area: 2712.0 sq.m.
Total Project Area	:	2712.0 sq.m.
Water Requirement	:	Total Water Requirement - 12 m <sup>3</sup> /day (After treatment 10.0 m <sup>3</sup> /day – outlet qty.)
Power Requirement	:	Electricity is being sourced from Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore). Total installed power 125 KVA (AKVN) ; DG sets of total capacity ~60 KVA standby mode.
Number of Shift	:	Three Shift Basis ( Round the clock)
No. of Working Days	:	365 Days
Total Cost of Project	:	7.0 crore
Man Power Utilization	:	~100 direct and ~100 indirect
Means of Finance	:	Entire funding for the project will be through Foreign Direct Investment (FDI) route.
Schedule of Implementation	:	<u>Commercial Production will be started After 4 months from Receipt of Environmental Clearance, after obtaining CTE/CTO.</u>
Transportation	:	<u>By road - Raw materials will be brought by truck and finished products will be dispatched by trucks.</u>

The case was presented by the PP and their consultant. Committee after deliberations recommends to issue standard TOR as prescribed by the MoEF & CC for conducting EIA studies be issued along with following additional TOR's:

1. How zero discharge conditions will be maintained should be discussed in the EIA report.

2. Monitoring of VOC should be added in the air quality monitoring schedule for EIA.
3. Details of proposed APCD should be provided with the EIA report.
4. All recent MSDS should be attached with the EIA report.
5. Worst case scenario wrt hydraulic load, hazardous wastes, air pollution and water pollution should be discussed in the EIA report.
6. Product by product water balance and mass balance should be provided in the EIA report.
7. Potential occupational health hazards for employees should be discussed in the EIA report.
8. Complete plan of raw material and product w.r.t. their storage, handling and dispatch should be provided with the EIA report.
9. Plans so that no waste be dumped outside of the plant premises. All the wastes hazardous or non hazardous considering it's an steroids manufacturing unit should be disposed off with CTSDF.

6. **Case No. - 5515/2016 Executive Engineer, Indore Development Corporation, 7, Race Course Road, Indore, (M.P.) – 452003 SEIAA letter no. 5308 dt. 20/02/17 rec. dt. 20/02/17. Revised App. Rec. letter no. 5480 dt. 07/03/17 rec. dt. 07/03/17. Prior Environment Clearance for Area Development of Scheme 169B, Super Corridor, Indore, (M.P.) Net Plot Area – 1447900 m2 (357.784 Acre) Total Built up Area – 4400 m2 . Cat. - 8(b) Project. Env. Cons.-GRC India (P) Ltd. Noida (U.P.)**

The proposed project falls under item no 8(b) i.e. area development project of Scheme 169B, Super Corridor, Indore, (M.P.) Net Plot Area – 14,47,900 m<sup>2</sup> 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.

### **EXECUTIVE SUMMARY**

Indore Development Authority (IDA) proposes an Area Development project, Scheme no. 169 B, Super Corridor in the city of Indore.

The Area development of Scheme 169 B, Super Corridor offers to enhance the already rich culture with modern development elements and amenities. SCP is envisioned to be a Transit Oriented Development (TOD) serving the city, it would enable travelers

to shun the city traffic and reach the airport in no time. This enhances the opportunities that the abutting land provides all along the road Ring Road Western - 2 & Main Road 10. The purpose is to develop more attractive vibrant, healthy, clean and safe environment, with modern facilities, a full range of services and well maintained infrastructure offering a highly desirable place to work, live, invest and cater to the needs of a diverse community with a comprehensive development plan including:

- ✓ Plotted area (Commercial)
- ✓ Area under Coordinated Plots (Super Corridor)
- ✓ Public Utility
- ✓ Solid Waste Transfer Station
- ✓ Parking Lots
- ✓ MPEB Grid
- ✓ Commercial Facilities (Petrol Pump, etc)
- ✓ Communication Nodes
- ✓ Parks, roads, pedestrian pathways.
- ✓

Construction will be done by individual plot owners. IDA will construct only the following facilities:

- Over Head Water Tank
- Under Ground Sump well
- Site Office and Store
- Sewage Treatment Plant

The case was presented by the PP and their consultant in the 287<sup>th</sup> SEAC Meeting dt. 25/02/17 wherein it was submitted by the PP that this is an area development project where except few facilities such as over head tank, underground water sump and sewage treatment plant will be constructed by them and all other constructional activities will be taken up by the individual owners. Committee informed PP that with the case file in “project brief” PP has mentioned total built-up area approx. 22,06,500 sq. meters which comprises of residential, commercial, public facilities and other commercial facilities which creates confusion as with this much of construction area this will become category-A project. Committee after deliberations asked PP to submit revised proposal clearly stating the constructional activities that will be taken up by them with the total area of construction for further consideration of the project.

PP vide letter dated 28/02/2017 has submitted the revised application which was forwarded by the SEIAA vide letter no. 5480/SEIAA/17 dated 07/03/2017.

The case was presented by the PP and their consultant wherein PP informed that they have started collecting the baseline data for this project from March, 2017 and total built-up area will be 4400 sq. meter for Over Head water Tank, Under Ground Sump Well, Site Office and Store with following details:

1. Type of project: Area Development Project, Scheme no. 169 B, Super Corridor
2. S. No. & Category as per the Schedule of EIA Notification, 2006: 8 (b), B
3. Project Location: Super Corridor, Indore, Madhya Pradesh
4. Nearest Airport: Devi Ahilya Bai Holkar International Airport (approx.. 7.4 km)
5. Nearest Railway Station: Indore Railway Station (approx. 4.5 km)
6. Net Planning area: 14,47,900 sq. m.
7. Built-up area: 4400 sq.m.
8. Green area: 1,52,200 sq.m.
9. Population: 90,233 persons
10. Water demand: 8443.5 KLD
11. Waste water generation: 6714.5 KLD
12. Electricity load: 50 MW
13. Solid waste generation: 33,025 kg/d
14. Proposed parking: As this is an area development project, parking facilities will be provided within the plots by the respective plot owners as per State Bye Laws norms. Common parking lots (measuring 25,570 sqm) will be developed by IDA.
15. Maximum Building Height: Indore Development Authority will only develop the infrastructure and not do construction work. Hence, building height is not applicable.

Committee after deliberations recommends to issue standard TOR as prescribed by the MoEF & CC for conducting EIA studies be issued along with following additional TOR's:

1. If any tree felling is involved same should be detailed out in the EIA report with number of trees and scheme of compensatory plantation.
  2. All the pollution loads should be calculated considering proposed commercial activities and visitors' population.
  3. Explore the possibility of using high volume cement for construction of CC roads in the project.
  4. Storm water drainage system should be proposed and discussed in the EIA report.
  5. A common STP is proposed for the Scheme 169B& Scheme 151, thus it should be justified in EIA report how one STP will take care the load of both the projects w.r.t. to inlet volume and how the treated waste water will be disposed off.
  6. Details of avenue plantation and green belt development plan should be discussed in the EIA report with proposed financial provision.
7. **Case No. - 5516/2016 Executive Engineer, Indore Development Corporation, 7, Race Course Road, Indore, (M.P.) – 452003 Case forwarded to SEIAA letter no. 5310 dt. 20/02/17 rec. dt. 20/02/17. Revised App. letter no. 5480 dt. 07/03/17 rec. dt. 07/03/17. Prior Environment Clearance for Area Development of Scheme 151 (Sec B, C and D, Super Corridor, Indore, (M.P.) Net Plot Area – 1487400 m2 (367.544 Acre) Total Built up Area – 100 m2 . Cat. - 8(b) Project. Env. Cons.-GRC India (P) Ltd. Noida (U.P.).**

The proposed project falls under item no 8(b) i.e. area development project of scheme 151 (Sec B, C and D, Super Corridor, Indore, (M.P.) Net Plot Area – 1487400 m2, 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.

### **EXECUTIVE SUMMARY**

Indore Development Authority (IDA) proposes an Area Development project, Scheme no. 151 (Sec-B, C and D), Super Corridor in the city of Indore.

With a High impact/market driven nodes, integrated Investment Region (IRs) and Industrial Areas (IAs) have been identified within the corridor to provide transparent and investment friendly facility regimes. These regions are proposed to be self-sustained industrial townships with world-class infrastructure, road and rail connectivity for freight movement to and from ports and logistics hubs, served by domestic/ international air connectivity, reliable power, quality social infrastructure, and provide a globally competitive environment conducive for setting up the business opportunities.

The Area development of Scheme 151 (Sec-B, C & D) Super Corridor offers to enhance the already rich culture with modern development elements and amenities. SCP is envisioned to be a Transit Oriented Development (TOD) serving the city, it would enable travelers to shun the city traffic and reach the airport in no time. This enhances the opportunities that the abutting land provides all along the road RW-2 & MR10. The purpose is to develop more attractive vibrant, healthy, clean and safe environment, with modern facilities, a full range of services and well maintained infrastructure offering a highly desirable place to work, live, invest and cater to the needs of a diverse community with a comprehensive development plan including:

- ✓ Plotted area (Commercial)
- ✓ Area under Coordinated Plots (Super Corridor)
- ✓ Public Utility
- ✓ Solid Waste Transfer Station
- ✓ Parking Lots
- ✓ MPEB Grid
- ✓ Commercial Facilities (Petrol Pump, etc)
- ✓ Communication Nodes
- ✓ Parks, roads, pedestrian pathways

Indore Development Authority will develop the infrastructure including roads, sewer line, CSTP (Common for Scheme no. 151, 166 and 169 B of Super Corridor), water supply line, electricity, etc. Construction will be done by individual plot owners. IDA will construct only the Site Office and Store.

The case was presented by the PP and their consultant wherein it was submitted by the PP that this is an area development project where except few facilities such as over head tank, underground water sump and sewage treatment plant will be constructed by them and all other constructional activities will be taken up by the individual owners. Committee informed PP that with the case file in “project brief” PP has mentioned total built-up area approx. 29,36,050 sq. meters which comprises of residential,



commercial, public facilities and other commercial facilities which creates confusion as with this much of construction area this will become category-A project. Committee after deliberations asked PP to submit revised proposal clearly stating the constructional activities that will be taken up by them with the total area of construction for further consideration of the project.

PP vide letter dated 28/02/2017 has submitted the revised application which was forwarded by the SEIAA vide letter no. 5482/SEIAA/17 dated 07/03/2017.

The case was presented by the PP and their consultant wherein PP informed that they have started collecting the baseline data for this project from March, 2017 and total built-up area will be 100 sq. meter Site Office and Store with following details:

1. **Type of project:** Area Development Project, Scheme no. 151 (Sec-B, C & D), Super Corridor
2. **S. No. & Category as per the Schedule of EIA Notification, 2006:** 8 (b), B
3. **Project Location:** Super Corridor, Indore, Madhya Pradesh.
4. **Nearest Airport:** Devi Ahiliya Bai Holkar International Airport (Approx.7.4 km)
5. **Nearest Railway Station:** Indore Railway Station (Approx. 4.5 km)
6. **Net Planning area:** 14, 87,400 sq.m.
7. **Built-up area:** 100 sq.m (Site Office & Store)
8. **Green area:** 2, 63,100 sq.m.
9. **Population:** 1,22,006 persons (fixed + floating)
10. **Water demand:** 11,522 KLD
11. **Waste water generation:** 8533 KLD
12. **Electricity load:** 50 MW
13. **Solid waste generation:** 44,582 kg/day
14. **Proposed parking:** As this is an area development project, parking facilities will be provided within the plots by respective plot owners as per State Bye Laws requirement. Common parking lots (measuring 34,433 sqm) will be developed by IDA.
15. **Maximum Building Height:** Indore Development Authority will only develop the infrastructure and not do constructions work. Hence, building height is not applicable.

Committee after deliberations recommends to issue standard TOR as prescribed by the MoEF & CC for conducting EIA studies be issued along with following additional TOR's:

1. If any tree felling is involved same should be detailed out in the EIA report with number of trees and scheme of compensatory plantation.
2. All the pollution loads should be calculated considering proposed commercial activities and visitors' population.
3. Explore the possibility of using high volume cement for construction of CC roads in the project.
4. Storm water drainage system should be proposed and discussed in the EIA report.
5. A common STP is proposed for the Scheme 169B& Scheme 151, thus it should be justified in EIA report how one STP will take care the load of both the projects w.r.t. to inlet volume and how the treated waste water will be disposed off.
6. Details of avenue plantation and green belt development plan should be discussed in the EIA report with proposed financial provision.

**8. Case No. - 5492/2017 M.P. Water Resources Department, Office of Engineer-in-Chief, Narmada Bhawan, Tulsi Nagar, Bhopal, (M.P.) – 462003 Prior Environment Clearance for Gopalpura Canal Medium Project at Bhikampur Raiyawari Khasra No. – 65, 96, and Bhikampur Khasra No. – 49, 51, 71, 94, 96, 123, Gopalpura, Bhikampur, Pagra, Distt. - Damoh, (M.P.) Cat. - 1 (c) River Valley Project. FoR – ToR. Case forwarded to SEIAA letter no. 5456 dt. 03/03/17 rec. dt. 08/03/17.**

This is a River Valley projects involving > 10,000 ha. of culturable command area and denies the general conditions and have been mentioned at SN. 1(c) of Schedule of EIA Notification, hence such projects are required to obtain prior EC. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

S.N.	Item	Details
01	Name of the Projects	GopalpuraCanal Medium Project
02	S.N. in the schedule	1 (C)
03	Proposed capacity / area / tonnage to be handled/command area/ lease	Gross Command Area – 31025 Ha Cultivable Command Area – 22300 Ha

	area/number of wells to be drilled	
04	New/Expansion/Modernization	New
05	Existing Capacity/ Area etc.	Not applicable
06	Category of Project i.e. "A" or "B"	"B" In accordance with the circular dated 01.12.2009 that "Irrigation Projects not involving submergence or interstate domain shall be appraised by SEIAA as category 'B' Projects".
07	Does it attract the general condition? If yes, please specify	No
08	Does it attract the specific condition? If yes, please specify	No
09	Location	Latitude 24°01'32.16" Longitude 79°03'37.89"
	Plot/Survey/Khasra No.	Village–BhikampurRaiyatwari, Khasra No. 65,96 Village- BhikampurAabaad, Khasra No. 49,51,71,94,96 and 123 Village- BhikampurMustajariKhasra No. 6,4,19 Village- PagraKhasra No. Tehsil- ShahgarhDistt. Sagar
	Village	Gopalpura, Distt. Sagar
	Tehsil	Banda
	District	Sagar
	State	Madhya Pradesh
10	Nearest Railway Stations/Airport along with distance in km	Nearest Railway station is Pathariya at a distance 42 km from site and nearest Airport is Bhopal at distance 247 km from site.
11	Nearest town, City, District headquarters along with distance in km.	Sagar (M.P.), 55 km.
12	Village Panchayats, ZillaParishad, Municipal Corporation, Local body	1. Village – Gopalpura 2. Gram Panchayat – Naindhara 3. Tehsil – Banda

	(complete postal addresses with telephone nos. to be given)	4. Janpad Panchayat – Banda 5. Zilla Panchayat – Sagar						
13	Name of the applicant	Water Resources Department Government of M.P.						
14	Registered Address	Water Resources Department Government of M.P., Bhopal (M.P.)						
15	Address for correspondence :	Engineer-in-Chief Department of Water Resources Tulsi Nagar Bhopal (M.P.) 462003						
16	Name	Shri. M.G. Choubey						
17	Designation (Owner/Partner/CEO)	Engineer-in-Chief						
18	Address	Water Resources Department Tulsi Nagar, Bhopal, (M.P.), 462003						
19	Pin code	462003						
20	Email	eincwrbpl-mp@nic.in						
21	Telephone No.	0755-2552646, 2552878						
22	Fax No.	0755-2552406						
23	Details of Alternative Sites Examined, if any location of these sites should be shown on a toposheet.	<table border="1"> <thead> <tr> <th>Village</th> <th>District</th> <th>State</th> </tr> </thead> <tbody> <tr> <td>Gopalpura</td> <td>Sagar</td> <td>M.P.</td> </tr> </tbody> </table>	Village	District	State	Gopalpura	Sagar	M.P.
Village	District	State						
Gopalpura	Sagar	M.P.						
24	Inter liked Projects	Water is Utilized from Pagra Feeder Tank under Pancham Nagar Medium Project.						
25	Whether separate application of interlinked project has been submitted	Not Applicable						
26	If Yes, Date of Submission	N.A.						
27	If No, reason	Water is utilized from Pagra Feeder Tank under Pancham Nagar Medium Project whose EC has already been taken vide letter no. 2925/SEIAA/2015 dated 03.01.2015.						
28	Whether the proposal involves approval/clearance under: if yes, details of the same and their status to be given. a. The forest (conservation)	Yes(Forest case has been uploaded vide file no. – FP/MP/IRRIG/22109						

	Act, 1980? b. The Wildlife (Protection Act, 1972) ? c. The C.R.Z. Notification, 1991?	/2016) No No
29	Whether there is any Government Order/Policy relevant/relating to the site?	No
30	Forest land involved (hectares)	1.905 Ha.
31	Whether there is any litigation pending against the project and / or land in which the project is proposed to be set up? a. Name of the Court. b. Case No. c. Orders/Directions of the court, if any and its relevance with the proposed project.	No litigation pending against the project and/or land in which the project is proposed to set up. N.A. N.A. N.A.

The case was presented by the PP in 286<sup>th</sup> SEAC Meeting dated 28/01/17 for issuing of TOR to carryout EIA studies with site specific details. During presentation it was informed by the PP that it's an expansion project but as per the Form-1 submitted by PP it is a new project. However, since the proposed CCA is 22,300 ha the project falls under Category-A. PP during discussion submitted that as per GOI, MoEF&CC notification dated 01/12/2009 which states that "Irrigation project not involving submergence or interstate domain shall be appraised by SEIAA as Category-B project. Committee after deliberations decided that since the CCA of the project is >10,000 ha, this project becomes category- A project and case may be sent to SEIAA for necessary action.

SEIAA vide letter no. 5456/SEIAA/2017 dated 03/03/2017 has informed that as per above recommendations of SEAC the case was discussed in the 410<sup>th</sup> SEIAA meeting dated 17/02/2017 wherein after detailed discussion SEIAA decided *that "since the project does not involve submergence or interstate domain (138 Kms from UP boundary) and the project could be appraised as category-B according to the EIA notification of MoEF&CC dated 01/12/2009 (II- ii). The case may be returned to SEIAA for appraisal"*.

The case was presented by the PP. During presentation and deliberation committee observed that since it's an expansion of the earlier project (with CCA of 9,900 ha) which has submergence thus this project should be treated as expansion/modification of earlier project as total CCA is 22,300 ha. (9,900 of previous project+12,400 of this project) which is >10,000 ha. Since there was submergence involved in the earlier project and now CCA of the project is >10,000 ha, this case was previously recommended by the committee in 286<sup>th</sup> SEAC Meeting dated 28/01/17 as category-A project.

However, as per the decision of SEIAA to consider this case as Category-B, standard TOR as stipulated by MoEF&CC is recommended to carryout EIA studies with following additional TOR's:

1. Since project involves 1.9 ha forest area, FC clearance has to be obtained. PP should indicate the status of FC clearance in EIA report.
2. Separate details of both the projects existing (for which EC is obtained) and proposed should be furnished in the EIA report.
3. PP should also submit the compliance report of earlier EC conditions of MoEF&CC duly verified by the competent authority of Pagra Feeder Tank under Pancham Nagar Medium Project EC issued vide letter no. 2925/SEIAA/2015 dated 03.01.2015.
4. Study of alternative sites considered should be discussed in the EIA report.
5. If there is any mining activity in the area, same should be discussed in the EIA report.
6. Being pipeline project, precautions proposed to avoid seepage/leakage etc should be discussed in the EIA report.
7. Cost benefit analysis including environmental factors should be given in the EIA report.
8. Green belt plan and catchment area treatment plan be provided in the EIA report.
9. Inventory of existing trees and their management should be provided in the EIA report.
10. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
11. The potential risks and threats associated with the dam when it reaches FTL to the nearby villages should be discussed in the EIA.

Further the committee is of the opinion that it being a case of expansion of earlier project involving submergence of 1685.16 ha area and now with total CCA of 22,300 ha CCA (>10,000 CCA) the SEIAA may be requested to seek clarification on categorization of project from MoEF&CC. If the project is categorized as Category-A project, PP may be required to seek fresh TOR from MoEF&CC.

9. **Case No. - 5008/2016 The Project Manager, M/s Katni MSW Managment Private Limited, 6-3-1089/G/10 &11, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad-500082 Prior Environment Clearance for development of an Integrated Municipal Solid Waste Processing & Disposal Facility (150 TPD) at Khasra No.-527, Area-6.20 ha .at Khasra no.-527, Village-Padarwara, Tehsil-Katni, District-Katni (M.P.) Cat. - 7 (i) Common Municipal Solid Waste Management Facility (CMSWMF). FoR- EIA Presentation. Env. Cons. Ramky Enviro Engineers Limited, Hyderabad.**

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The current Municipal Solid Waste (MSW) management system in Katni town and four (4) other surrounding Urban Local Bodies, ULBs (Sehora, Kymore, Barhi, and Vijayaragavagarh) currently do not have adequate MSW management facility. Hence realizing the necessity of efficient waste management system, it is proposed to establish an Integrated MSW processing and Disposal Facility on Public Private Partnership (PPP) basis for management of MSW generated in Katni town and 4 other surrounding ULBs.

“Katni MSW Management Private Limited” (Project Proponent) was chosen for establishing an Integrated MSW Processing and Disposal Facility in Katni town. Currently, Katni town along with 4 other ULBs generate an average MSW of 90 TPD. All the 4 participating ULBs are within 50 km radius of Katni town. The Project Proponent proposes to establish a 150 TPD Integrated MSW Processing and Disposal Facility in Katni City with facilities such as Composting/Dry Fermentation (for recovery of organics), Materials Recovery Facility, MRF (for recovery of

recyclables), Refuse Derived Fuel (RDF) facility for recovery of high calorific value waste, Secured Landfill (for disposal of inert) and an Animal Carcass Incinerator.

The proposed Integrated Waste Management Facility will be established in a land of about 6.20 hectares located within Katni City. No alternative sites were considered for development of this facility. The proposed site proves to be the best location considering both the environmental and economical factors. One additional benefit is that the dumpsite located within the site will be cleared up with progress of sanitary landfill operations.

The water requirement for operating the proposed facility is about 10 KLD. It is expected that Katni Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is about 0.4 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.

The current MSW waste generation (considering Katni Town and 4 surrounding ULBs together) is estimated to be about 94 TPD. However, considering the population and waste projections, it is proposed to establish the Integrated Waste Management Facility to handle about 150 TPD (Design Capacity).

Based on the waste characteristics, proposed process consists of dry fermentation (Anaerobic digestion), Composting (Aerobic digestion), RDF and Material (Recyclables) recovery facilities. The waste received to the facility will be taken at waste receiving platform after its weightment and inspection process. At the waste receiving platform, bulky / large articles like tyres, boulders etc. will be separated and the same will be sent for further process and the rejects / inert material will be sent for disposal into sanitary landfill. From there the waste will be mechanically segregated using a Trommel / Screens with screen hole size of 100 mm into organic fraction (100 mm in size). The organic fraction of waste will be processed through dry fermentation process to recover bio-gas followed by aerobic composting process in the windrow platform. Upon completion of these anaerobic and aerobic decomposition processes the waste will be routed for coarse segregation / primary screening and segregated into components by size, manual separation of waste components, and separation of ferrous and non-ferrous metals. The segregated materials will be sent for further processing. The final products from the proposed processing plants will be Bio-gas, Compost, Recyclables and RDF. The quantity of the final products resulting from



processing facility may vary depending on the characteristics of incoming waste. The quantity of inert / process rejects sent to landfill will be restricted to less than 20%.

The case was presented by the Project Manager, M/s Katni MSW Solutions Private Limited in 273<sup>rd</sup> SEAC meeting dated 01/04/2016 wherein during deliberations it was informed to the committee by the PP that Municipal Corporation, Katni has entered in to an agreement with M/s Ramky Enviro for the execution of the project. M/s Ramky Enviro has constituted a SPV with the name M/s Katni MSW Solutions Private Limited for the execution of the project.

The case was earlier discussed in the 273<sup>rd</sup> SEAC meeting dated 01/04/2016 wherein as per the observation of the committee all the formalities for obtaining EC are to be completed by PP or his authorized person only, which in this case is Municipal Corporation, Katni. The M/s Katni MSW Solutions Pvt. Ltd is only a concessioner of the project. The M/s Katni MSW Solutions Pvt. Ltd appearing as PP was unable to produce any document issued by Municipal Corporation, Katni authorizing them to obtain EC on their behalf. The committee is, therefore, of the view that M/s Katni MSW Solutions Pvt. Ltd be asked to submit a clarification to this effect with supporting documents from Municipal Corporation, Katni.

PP vide their letter dated 29/04/2016 has submitted a letter of Commissioner, Katni Municipal Corporation issued on dated 28/04/2016 wherein it is mentioned that “नगर पालिक निगम, कटनी सीमा क्षेत्र एवं बरही, कैमोर, विजयराघवगढ़, एवं सिहोरा नगर पंचायत परिषद् सीमा क्षेत्र में ठोस अपशिष्ट प्रबंधन कार्य हेतु नगर पालिक निगम, कटनी एवं रामकी इन्वायरां इंजी. प्राई. लि., हैदराबाद से दिनांक 07/5/15 को कन्सेशन अनुबंध निष्पादित किया गया है । कन्सेशन अनुबंध के प्रावधान अनुसार एकीकृत ठोस अपशिष्ट प्रबंधन योजना कार्य के निष्पादन हेतु उक्त एजेंसी के द्वारा कटनी एम.एस.डब्ल्यू. मैनेजमेंट प्राई. लि., नाम से एस.पी.व्ही. गठित की गई है, जिससे नोवेशन अनुबंध नगर पालिक निगम, कटनी द्वारा किया गया है । कन्सेशन अनुबंध के प्रावधान अनुसार पर्यावरण स्वीकृति संबंधी कार्यवाही एस.पी.व्ही. द्वारा ही निष्पादित की जाना है । अतः अनुरोध है कि एकीकृत ठोस अपशिष्ट प्रबंधन कटनी को कार्य योजना हेतु अधिकृत कटनी एम.एस.डब्ल्यू. मैनेजमेंट प्राई.लि. को नियमानुसार पर्यावरण स्वीकृत प्रदान किये जाने का कष्ट करें।

The case was presented by the PP (Mr. Surendra Mishra, Project Engineer, Katni Municipal Corporation), representatives of M/s Katni MSW Solutions Private Limited, Hyderabad and Dr. B Chakradhar of Ramky Enviro, Hyderabad in 276<sup>th</sup> SEAC Meeting dt. 13/05/16. Committee after deliberations decide that since Commissioner, Katni Municipal Corporation, Katni have authorize M/s Katni MSW Solutions Private Limited, Hyderabad, Standard TOR as prescribed by the MoEF&CC for conducting EIA studies be issued along with following additional TOR's:-

1. How the waste would be segregated while protecting the health of the workers so as not to cause adverse effect on them should be discussed in EIA.
2. How the lechates will be handled be discussed in the EIA.
3. It is proposed that “animal caracals” will be incinerated. Is it possible to recover bones and utilize for other purpose?
4. MSW handling technology should be frezed for all the wastes and worst case scenario be studied and discussed in the EIA.
5. The proposed site is close to railway station, the probable impact be discussed in EIA and mitigative measures should form the part of EMP.
6. Preventive measures that will be taken to prevent fire due to methane generation be discussed in the EIA.
7. PP and their consultant informed that they have already stared EIA study including data collection, survey, monitoring etc and requested to use the same. The committee agreed to their request.

PP has submitted the EIA report vide letter dated 22/02/2017 which was forwarded by SEIAA vide letter no. 5345/SEIAA/2017 Dated 25/02/17.

The case was presented by the PP and their consultant wherein PP submitted that the proposed Integrated Municipal Solid Waste processing and Disposal Facility will be established in a land of about 6.20hectares located 5km from Katni City. No alternative sites were considered for development of this facility. One additional benefit is that the dumpsite located within the site will be cleared up with progress of this sanitary landfill operation. The land is owned by Nagar Palika Nigam Katni (NPNK). The nearest town from the proposed site is Katni town (5 km). Nearest railway station is Madhav Nagar railway station (0.6 km) and nearest airport is Jabalpur airport (74 km).

S. No	Tehsil	Village	Khasra No./Plotno.	Area (ha)	Ownership	Landuse
1.	Murwara	Padarwara	Khasra no. 527	6.20	Nagar Palika Nigam Katni (NPNK)	Existing dumpsite

Based on the waste characteristics proposed process capacities consists of Dry Fermentation (anaerobic digestion) – 35TPD, Compost Plant (aerobic digestion) – 35TPD, Refuse Derived Fuel (RDF) Facility–70 TPD and Material Recovery Facility

(MRF) – 15 TPD, Landfill – 30 TPD and Animal Carcass Incinerator – 5TPD as Integrated Municipal Solid Facility. Katni Municipal Corporation estimates that the current total waste generation is about 90 TPD (Katni town-65TPD, Sehora– 13.4 TPD, Kymore–5.43TPD, Barhi–4.05TPD, Vijayavaragavagarh–2.75 TPD). However, considering the population projection and the waste generation forecast, it is proposed to establish the Integrated Municipal Solid Waste Processing and Disposal Facility to handle about 150 TPD. The water requirement for operating the proposed facility is about 20 KLD. It is expected that Katni Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is about 0.4 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG sets (750KVA) are also proposed for power backup. Adequate measures are proposed to be taken up for leachate management. Since the plant is designed with a closed windrow and best practices are followed during landfill operation, minimum quantity of leachate will be generated which either will be circulated to landfill, sprayed on landfill for dust control, use to keep the windrows moist. Any excess leachate that accumulates after following the above mentioned activities will be utilized in spray drier connected to the incinerator to bring down the high temperature of the flue gases before passing through scrubbers and other air pollution control devices. The EIA/EMP was presented by the PP and their consultant and other submissions made by the PP were found to be satisfactory and acceptable hence committee decided to recommend the case for grant of prior EC for development of an Integrated Municipal Solid Waste Processing & Disposal Facility (150 TPD) at Khasra No. 527 on an area-6.20 ha at Village - Padarwara, Tehsil - Katni, District-Katni (M.P.)\_subject to the following special conditions:

1. The landfill facility shall be developed as per the proposal submitted by PP with 1.5 mm thick HDPE liners, Geo-textile media, Drainage media, Gas evacuation system and leachate collection system.
2. The PP will establish the adequate leachate treatment facilities to achieve the M.P. Pollution Control Board (MPPCB) zero discharge norms. As proposed, no effluent/leachate from the facility shall be discharged outside the premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
3. Treated leachate shall be sprayed on landfill for dust control, keep the windrows dry and excess leachates shall be utilized in spray drier.

4. Regular leachate quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the MPPCB.
5. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. The ground water quality monitoring shall be monitored as per the MPPCB norms. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPPCB.
6. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odour nuisance.
7. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to MPPCB regularly.
8. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
9. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
10. No hazardous and biomedical waste should be disposed off in this facility.
11. As proposed, 33% of the project area shall be developed as green belt within plant premises with at least 5 meter wide green belt on all sides along the periphery of the project area and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
12. All the commitments made in the Public Hearing shall be implemented by PP.
13. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
14. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
15. In case of power failure, stand- by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure.
16. All internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
17. Atleast two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations.
18. Fire fighting system shall be provided as per the norms covering all areas and Disaster Management Plan shall be implemented.

19. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
20. The ambient air quality shall be monitored in and around the facility area and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
21. All the storage tanks shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
22. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
23. Training shall be imparted to all the workers on safety and health aspects of chemicals handling and facility operations.
24. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
25. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
26. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
27. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
28. The Environmental Management Cell with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
29. Peripheral plantation all around the project boundary shall be carried out using tree plants of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings.
30. CFL/LED should be preferred over of tube lights.
31. PP will obtain other necessary clearances/NOC from concerned authorities.
32. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in

product - mix in proposed mining unit shall require a fresh Environment Clearance.

10. **Case No. - 5527/2017 Executive Engineer, M.P. Housing and Infrastructure Development Board, Division Ratlam, Jawahar Nagar, Ratlam, (M.P.) – 457001 Prior Environment Clearance for Proposed New Residential Building Project of "SAMANVAY PARISAR" (under Atal Ashray Yojana) at Khasra no. – 181/19/2, 181/2/13, Village-Dosigoan, Tehsil & Distt. - Ratlam, (M.P.) Total Land Area - 99049 Sqm., Proposed Total Built up Area – 78,950 Sqm. Cat. – 8 (a) Project. FoR – Building Construction. EIA Consultant: M/s Mantra Green Resources Ltd., Nashik.**

The proposed project falls under item no 8(a) i.e. Clearance for Proposed New Residential Building Project of "SAMANVAY PARISAR" (under Atal Ashray Yojana) at Khasra no. – 181/19/2, 181/2/13, Village-Dosigoan, Tehsil & Distt. - Ratlam, (M.P.) Total Land Area - 99,049 Sqm., Proposed Total Built up Area – 78,950 Sqm hence requires prior EC from SEIAA before initiation of activity at site. The application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

PP and his consultant presented the salient features of the project before the committee in the meeting. During presentation PP informed that electrical lines are passing through the project area and they have left 10 meters area as no development area on the both sides of lines as per the norms. The fresh water requirement for the project is 1100 KLD and a STP is proposed for the treatment of 1000 KLD of waste water. PP further submitted that 1100 trees are proposed on the project periphery and inside green areas for green belt development. Committee after deliberations asked PP to submit response on following issues:

1. If any tree felling is involved same should be reported with number of trees and scheme of compensatory plantation.
2. Disposal plan of 271 KLD excess treated water as PP has proposed to dispose of this treated water through municipal drain/sewer line and at present no such sewer line/ drain is in existence.
3. Revised Water Requirement and Water Balance Chart considering floating population and commercial activities for the commercial area.
4. Source of water supply with clear commitment of the concerned authority.

11. **Case No. – 5444/2016 Director, M/s Shivangi Rolling Mills Pvt. Ltd, 305-306, Airen Heights, B/h Pakiza, 14, PU-3, Commercial, Vijay Nagar, AB Road, Indore, MP – 452010. Case forwarded to SEIAA letter no. 5632 dt. 20/03/17 Rec. dt. 20/03/17. Expansion of Mini Steel Plant at Plot No. 460, 461 & 475 Sector 3, Industrial Area - Pithampur, Teh. - Dhar, Distt. - Dhar (M.P.) Existing Capacity - MS Ingots, Bar & Casting – 40000 MTPA., Proposed Capacity - MS Billets, TMT Iron Bars – 2,00,000 MTPA, Land Available- 31000 sqm. Cat. 3 (a) Metallurgical Industries ( Ferrous & Non Ferrous) Env. Cons. - Creative Enviro Services, Bhopal (M.P.).**

This is a rolling mill project. All non –toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at SN 3(a), B. Hence these projects are required to obtain prior EC before establishment. The project is proposed in Sector 3, Industrial Area - Pithampur, Teh. - Dhar, Distt.- Dhar (M.P.).

The case was earlier schedule in the 284<sup>th</sup> SEAC meeting dated 26/11/2016 wherein 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 and even if the PP remains absent, the case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

Salient features of the project, proposed TOR and other details of the project were presented before the SEAC by the PP and his consultant, which reveals following:

S. N.	Particulars	Details
1	Location	Plot No. 475, 461, 460 Industrial Area Pithampur
2	Longitude	75 <sup>0</sup> 35' 37.60" E
3	Latitude	22 <sup>0</sup> 37' 19.23" N
4	Total plot Area	31000 sqm
5	Existing capacity	40000 MTPA – Billets, TMT Bars
6	Proposed Capacity	200000 MTPA – Billets, TMT Bars
7	Raw Material Required	MS Scrap/sponge Iron ,Ferro Alloys

		Fluxes, Refractories Consumable
8	Total Power requirement	26.25 x 106 kwh
9	Source of Power	MPSEB
10	Water requirement	625 kld
11	Source of water	MPAKVN, Indore
12	Major Plant & equipment	Induction Furnace : Proposed 20 TPH – 2Nos. Existing 6 t & 7t – one each
13	Pollution Control equipments	Fume extraction system, Bag filters Chimney , STP for domestic waste water
14	Number & Height of stack	30m – 1 No. for IF 15m – 1 Nos for DG set 500 KVA
15	Level of particulate matters after APC	Less than 50mg/Nm <sup>3</sup>
16	Cost of pollution control equipments.	200.0 lakhs
17	No. of employment generation.	200 Nos.
18	D.G. Set	2 x 500 KVA
19	Fuel proposed to be used	Electricity for IF and HSD for DG sets
20	Nearest Highway	Agra Mumbai (NH-3) 17.0 km
21	Nearest Railway Line / Railway Station	Rau 26 km
22	Nearest Village / Township	Pithampur – 8.5 km
23	Nearest Airport	Indore 55 km
24	Nearest Major city	Indore 50 km
25	Nearest River	Non within 10 km radius
26	Nearest Valley	Non within 10 km radius



27	Ecologically Sensitive Zones (National parks, Wildlife Sanctuaries)	Non within 10 km radius
28	Major Industries within 5-km radius	Janak Ind., Paras Rampuriya, Rathi Steer, Prakash Tube, Jaideep Ispat, Bhanu Iron & others
29	Environmental data Collection period	Started from 1 <sup>st</sup> Oct 2016.

### Land use breakup

Total land of factory	31000 sqm.
Total Plant Area	9513 sqm.
Office/Lab	216 sqm.
Storage Yard	516 sqm
Colony/Rest House	873 sqm.
Existing Green Belt	2160 sqm.
Proposed Green Belt	8070 sqm.
Open Land	9652 sqm.

### Air Emission control system

S. N.	Source of Air Pollution	Control equipment	Height of stack
1.	Induction furnace	FES, Bag filter, ID fan	30m

### Water Requirement and source

The water requirement for plant is proposed to be sourced through MPAKVN, Indore.

**Construction phase** – 5 kld Source MPAKVN

**Operational phase-**

Head	Water consumption		Discharge	
	Existing	Proposed	Existing	Proposed
Process	Nil	Nil	Nil	Nil
Domestic	05.0 kld	25.0	1.0 kld	22.0 kld
Cooling Rolling Mill	150.0 kld	600.0 kld	nil	nil
Total	155.0 kld	625.0 kld	01.0 kld	22.0 kld

Waste water from DM/softener shall be used for slag quenching.

Waste Water Treatment – STP of 25 kld shall be installed.

Dry technology will be implemented hence; there will not be any effluent generation from the process and cooling.

Water harvesting structure has been made.

Zero discharge will be implemented.

**Solid and Hazardous waste management**

Source Generation	Type of Waste	Quantity	Management
Process	plant dust, Mill scale , papers	5.0 TPA	Segregation at source using dust beans and collection at “value yard” selling to local vendor.
Process	iron Slag	12000 TPA	A unit of iron recovery from slag has been installed and the recovered iron shall be used with scrap to charge in induction furnace. The remaining part shall be used for civil work & bricks manufacturing.
DG Set / Machineries	Spent oil	15 kl / yr.	Shall be given to authorized recyclers.
WTP/CT	Resin	3-5 kl/yr	Shall be given to authorized recyclers.

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details in 285<sup>th</sup> SEAC Meeting dated 26/12/2016 wherein PP submitted that monitoring has been started from October, 2016. Being existing unit, during presentation, PP was asked to submit production date since 2006, which were submitted by PP vide letter dated 26/12/2016. As per the information submitted by PP, the maximum production 22,176.810 MT was achieved in the year 2015-2016 against the 40,000 MT existing consented capacity. Committee after deliberations recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's:-

1. Being existing unit, compliance of M. P. Pollution Control Board's consent conditions duly authenticated by Regional officer should be submitted with EIA report.
2. Evaporation losses that may occur during the process should be studied and discussed in the EIA report.
3. Methods proposed for water conservation should also be discussed in the EIA report.
4. Options of best available technologies for manufacturing and pollution control in this manufacturing sector should be studied and discussed in the EIA report.

PP has submitted the EIA report vide letter dated 10/03/2017 which was forwarded by SEIAA vide letter no. 5632/SEIAA/2017 Dated 20/03/17.

The case was presented by the PP and their consultant wherein PP submitted that they have obtained the compliance report of the consent conditions from the regional officer, MP Pollution Control Board wherein the compliance status is satisfactory. During presentation PP further submitted that two induction furnaces of 20 TPD each will be installed as expansion in the existing shed of the unit and other existing facilities will be used for this proposed expansion. PP further submitted that all the internal roads are made pucca wherein committee suggested that to control fugitive emissions PP should provide road sweeping machine which should be operated at a regular intervals. Committee further suggested that the existing re-heating furnaces should be dismantled by the PP and no parking of vehicles/trucks related to the project activity should be allowed to park outside the plant premises. The submissions of EIA/EMP, Certified Consent Compliance and the presentation made by the PP and their consultant found to be satisfactory and acceptable thus based on the submissions the case is recommended for grant of prior EC for the capacity

enhancement from 40,000 MTPA for MS Billets and TMT Iron Bars to 2,00,000 MTPA, subject to the following special conditions:

1. Double row thick-plantation shall be taken up all around the periphery of the project boundary and within the plant premises as per the submitted proposal.
2. Close circuit cooling system should be provided. Oil skimmer should be provided for removal of oil and there after it should be used for the cooling. The separated oil shall be stored in the MS drums and be disposed off through authorized recyclers after obtaining the permission from the M. P. Pollution Control Board.
3. Re-heating furnace shall not be used in the process and should be dismantled.
4. Storm water drains should be maintained properly.
5. Treated water from the STP should be used for the green belt and to achieve the zero discharge norms.
6. As proposed, reverse pulse jet cleaning bag filters should be provided as APCD with 2<sup>nd</sup> stage fume extraction system on the top of the shed.
7. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to MPPCB regularly.
8. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
9. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
10. As proposed, 8070 sq. meter of the project area shall be developed as green belt within plant premises and on all sides along the periphery of the project area. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
11. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
12. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Atleast two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations.

14. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
15. The ambient air quality shall be monitored in and around the industry and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
16. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
17. Good housekeeping shall be maintained within the premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
18. The Environmental Management Cell with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
19. PP will obtain other necessary clearances/NOC from concerned authorities.
20. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

**DISCUSSIONS OF QUERY RESPONSES SUBMITTED BY PP/ISSUES RECEIVED FROM SEIAA.**

12. **Case No. – 5199/2016 Mr. Rohit Wadhwa, Director, Krishna Kunj, Gandhi Road, Gwalior -474011 Prior Environment Clearance for “The Olympia” of M/s Blue Lotus Realtors Pvt. Ltd, Teh & Distt. –Gwalior (M.P.) at Khasra no. - 45/min-2, 47, 48, 49, 50, 61/1/1, min-2, 68/2/min-2, 52, 53/1, 54, 57, 58/1, 59/min-1, 65, 58/2, 59/min-2,60, 68/2, min-3, 61/1/1/min-1, 61/2, 63, 66, 68/2/min-1, 36/1, 36/2, 37/min-1, 39, 40/1, 40/2, 44, 37/min-2,55/1. Total Plot**

**Area -78060 sq.mt., Total Built-up Area - 142710.17 sq.mt. For – Building Construction. PROJECT FEATURES**

Name of the Project	: “The Olympia” of M/s Blue Lotus Realtors Pvt. Ltd.Board.
Coordinates of Site	: 26°10’4.73"N, 78°13’2.26"E Elev. 688 ft.
Topography	: Almost Flat
Climate	: Sub – Tropical (Generally dry except Monsoon Season)
Annual Avg. Temperatures	: Max. – 33.50C, Min. – 16.60C
Annual Average Rainfall	: 910 mm
Relative Humidity	: 45% Min. & 85% Max.
Annual Dominant Wind	: NW
Railway Station site	: Gwalior Railway Station – 8.2 Km away from site
Air Port	: Gwalior Airport– 17.2 Km away from site
Total Plot Area	: 78060.00 Sq. Mt.
Proposed Built–Up Area	: 142710.00 Sq.mt
Total No. of block	: 13 blocks (Res. 8, school 1, club house 1, community hall 1, commercial 1, duplex block 1,)
Total no. of units	: Residential 1424, studios 273, duplex 14, EWS 117, convenient shop 10,club house 1
Total No. of EWS	: 117 Nos.
Height of building	: B+S+30 M
Road width / MOS	: 24/12/7.5 m
Expected Population	: 8425
Water requirement	: 1234 KLD

Source of Water : GMC Water supply

Power requirement : 5514 KVA for Residential & 1288.26 KVA for Commercial.

Source of Power : MPEB

Solid Waste Generation : 4.129185 TPD

Waste Water Generation : 1048.31 KLD - STP Proposed – 1100 KLD

**Water Supply**

S. No.	Item Description	Residential
1.	<b>Domestic Water Requirement</b>	<b>761 KLD</b>
2.	<b>Flushing Water Requirement</b>	<b>407 KLD</b>
3.	<b>Landscaping &amp; other uses</b>	<b>66 KLD</b>
4.	<b>Total Water Demand</b>	<b>1234 KLD</b>
5.	<b>STP Capacity</b>	<b>1048 KLD on 100% Load &amp; 1100 KLD Proposed</b>
6.	<b>Available Treated Water</b>	<b>471 KLD</b>
7.	<b>Used Treated Water</b>	<b>472 KLD</b>
8.	<b>Net Fresh Water</b>	<b>761 KLD</b>

**Car Parking:**

Flats	Car required	Cars available
2bhk	730 nos.	876 nos.
2bhk + study	260 nos.	312 nos.
3 bhk	208 nos.	250 nos.
Total	1198 Nos.	1438 Nos.

The case was scheduled for the presentation in the 279<sup>th</sup> SEAC meeting dated 02/07/2016 wherein the PP and their consultant were present. After the presentation, PP was asked to submit details on following for further consideration of the project:

1. Revised water balance details with measures proposed for the reduction in water demand and utilization of excess treated water.
2. Revised EMP wherein the cost of proposed sewage pipeline for connection with municipal corporation drain should be added.
3. Written commitment of PP that 15 meter area will be left from the HFL of the adjoining nallah.
4. In the layout of the project, some Govt. land is in existence and thus committee recommends that the surrounding area of this Govt. land should be developed as green belt for which a commitment be submitted by the PP.
5. Detailed plans of proposed commercial sectors be submitted by the PP.
6. Details protection plan of neighboring nallah be submitted.
7. Parking plan with sector wise details on layout map be submitted.

PP has submitted the reply of above vide letter dated 24/08/2016 and thus placed in the agenda for query reply the presentation.

The case was presented by the PP and their consultant in the 284<sup>th</sup> SEAC meeting dated 26/11/2016 wherein PP was asked to submit response on following:

1. PP has submitted a written commitment of restricting construction activity by at least 15 meter from the adjoining nallah. However, the PP was asked to leave 15 meters from the HFL of the adjoining nallah. Thus PP was again asked to submit HFL marked on the layout map and 15 meters area left from the HFL of the nallah.
2. Similarly, PP was asked to submit detailed plans of proposed commercial sectors wherein PP has submitted typical floor plan of only 2425.45 sq. meter area while the proposed area is 24154.81378 sq. meters. Thus PP was again asked to submit the detailed plans of all the floors of proposed commercial sector.
3. PP was asked to submit details protection plan of neighboring nallah which is missing in query reply. Thus PP was again asked to submit protection plan of neighboring nallah.

PP has submitted the reply vide letter dated 03/12/2016 with reference to the 284<sup>th</sup> SEAC meeting dated 26/11/2016 which was placed before the committee in the 285<sup>th</sup> SEAC meeting dated 26/12/2016. On scrutiny of the reply submitted by the PP it was observed that PP has submitted the reply which is the copy of the reply submitted earlier by PP vide letter dated 24/08/2016. Thus after deliberations



committee decided that PP may be asked to submit precise and query wise reply as per the discussion of 284<sup>th</sup> SEAC meeting dated 26/11/2016 for further consideration of their project.

PP has submitted the reply vide letter receipt dated 31/01/2017 with reference to the 285<sup>th</sup> SEAC meeting dated 26/12/2016 which was placed before the committee. On scrutiny of the reply submitted by the PP it was observed by committee that PP has submitted the reply of other queries but have not enclosed the “HFL marked on layout map” as per the queries raised in 284<sup>th</sup> SEAC meeting dated 26/11/2016. The committee decided that PP may be asked to submit layout map of the project site HFL area marked on it within 30 days.

PP vide letter dated 02/03/2017 has submitted the replies of above queries which was placed before the committee. Committee found that the reply submitted by PP is found adequate and satisfactory thus the case is recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 947 KLD.
2. The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
3. No construction activity should be take-up within 15 meters HFL of adjoining nallah.
4. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 3180 no of trees will be planned in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
5. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
6. Power back-up for un-interrupted operations of STP shall be ensured.
7. CFL/LED should be preferred over of tube lights.
8. Fund should be exclusively earmarked for the implementation of EMP.
9. MSW storage area should have 48 hours storage capacity.
10. Dual plumbing should be provided.
11. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
12. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for

cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

13. PP will obtain other necessary clearances/NOC from respective authorities.
14. PP will comply with all the commitments made in by the letter dated 24/08/2016, 03/12/2016, 27/12/2016 and 02/03/2017.

- 13. Case No- 4156/2015 Shri Manoj Verma, Territory Coordinator, M/s Bharat Petroleum Corporation Limited, BPCL LPG Bottling Plant, Bhopal-Indore by Pass Road, P.O. Bhouri, Bakania, Bhopal-462030 Prior Environment Clearance for approval of Expansion of Construction of New Mounded Storage Vessels 3 Nos. x 300 MT each, Cylinder Pressure Testing Shed with two Paint Booths, Addition of two Unloading Bays, Addition of one DG Set 500 KVA, Construction of Underground Diesel Tank 20 KL for Captive use, Construction of Tank Lorry Parking at LPG Bottling Plant, Bakania. at Khasra no.-37 & 21, Village-Kolukhedi, Tehsil-Huzur, District-Bhopal (MP) Capacity – 22 TMTPA Cylinder Bottling Capacity Proposed Cap. – 90 TMTPA Existing Area= 11.6 Acres Proposed Area – 12.2 Acres. (Cat. – 6 (b)Project) EIA Consultant : ABC Techno labs India Pvt. Limited, Chennai.**

### PROJECT PROPOSAL

The project proposal is to set up Construction of new mounded storage vessels 3Nos. X 300 MT each, Cylinder Pressure Testing Shed with two Paint Booths , Addition of two Unloading Bays, Addition of one DG Set 500 KVA, Construction of Underground Diesel Tank 20 KL for captive use, Construction of Tank Lorry Parking at LPG Bottling Plant, Bakania.

### EXISTING Facilities

The LPG bottling plant located at Bakania near Bhopal handles 22000MT of LPG per year with bottling facility of 7000 cylinders/day. The existing facilities of the bottling plant are as follows:

Sl.No.	Name of Items	Capacity
01.	Storage Tanks for LPG	2 Nos. A/G Bullets ( 2x100 MT)
02.	Safety Valves on Storage Tanks	2 Nos.

03.	Set Pressures (Kg/Cm <sup>2</sup> g)		14.2
04.	Discharge Height (Meters)		2.5 M to 3.0 M
06.	Unloading Bay		2 Bays
07.	No. of tankers to be unloaded at a time		2 Nos.
08.	No. of Carousel		1 (Electronic Carousel of 12x18 stations)
09.	LPG Pumps		2 x 27 m <sup>3</sup> /hr
10.	LPG Compressor		1 x 65 CFM
11.	Air Compressor		1 x 200 CFM
12.	Air Drying Unit		1 x 200 CFM
13.	DG Set		1 x 250 KVA
14.	Fire Water Storage		2 x 1900 KL (A/G)
15.	Fire Water Pumps		3 x 450 KL/Hr
16.	Jockey Fire Water Pumps		2 x 16 m <sup>3</sup> /hr

### Utility Services

The utility facilities for smooth operation of the main plants are as under:

- a) Road Tanker (TLD) Shed
- b) LPG Pumps & Compressor House
- c) LPG Empty Cylinder Storage
- d) LPG Filling Shed
- e) Filled Cylinder Storage Shed
- f) Air Compressor Unit
- g) Air Drying Unit
- h) DG Sets
- i) Fire Water Storage
- j) Fire Water Pumps
- k) Jockey Fire Water Pumps
- l) Potable & Service Water System
- j) Filling / Empty cylinder shed
- k) Filled Cylinder Shed
- l) Valve Change Shed
- m) Bulk loading/unloading Bay (2 Nos.)

### Off-Site Services

Following off-site facilities are available for smooth operation of the proposed storage facilities:

- a) Admn/Amenity building.
- b) Security Cabin
- c) Parking Shed (Cycle/Scooter)
- d) Time Office/Dress change Room/Toilet
- e) Weigh Bridge
- f) Transformer Yard
- g) Electrical Panel Room
- h) D.G. Set Room
- i) Inspection Platform
- j) Tank Lorrys Parking Area
- k) PCV Crew Rest Room
- l) Bore Well
- m) Engg. Stores
- n) Air Compressor

### Project Location

The LPG bottling plant of BPCL is located in Bhauri village near Bakania in Bhopal district of Madhya Pradesh State. The storage and bottling terminal is at Bakania, about 25-Kms from Bhopal City, on a vacant 5 acres plot available adjacent to the premises of existing POL Depot of BPCL. The POL Depot is spread over an area of about 35 acres of land owned by BPCL. The entire area of 35 acres of land has been declared as area earmarked for storage and handling of petroleum products by State Government. The vacant land for the proposed Mounded Storage Vessel is a barren land full of bushes. The entire area is devoid of vegetation. The proposed plot of about 5 acres of land does not require felling of trees.

A railway line which connects Bhopal to Indore passes adjacent to the boundary of proposed site in northern direction. The railway siding area of POL Depot is located in northern direction of the oil depot. Only three industrial units are located around LPG Bottling Plant. The first industrial unit is the POL Depot of BPCL which is located adjacent to proposed site. The second industrial unit is Oil Depot of M/s Reliance Petrochemicals, which is located at a distance of about 1.0-Km in north north-western direction of proposed site. The third industrial unit is the LPG bottling plant of IOCL, which is located in south-western direction at a distance of about 1-

Km. Besides above industrial units; the entire area around proposed LPG bottling plant presents rural outlook. State Highway No-18 which connects proposed site to Bhopal City is located in western direction and is located merely at a distance of about 50-metres from boundary of POL Depot. Besides above the proposed site is surrounded by agricultural land presenting a rural outlook.

Geographically the LPG bottling plant site is located at 77°15'39.31" east longitude and 23°15'45" north latitude. Some important villages which are located within 10-km of the bottling plant are Bhauri, Bakania, Barkheda, Kolu Kheda etc. The nearest railway station is located at a distance of approximately 1-Km POL Depot. The nearest State Highway is SH-18 which passes merely at a distance of about 50-metres in north-western direction. The nearest National Highway is NH-12 is located in north-eastern direction at a distance of about 9-Kms. The topography of the site is more or less flat without undulation. The main broad gauge railway line is located about 100-m away from the boundary of proposed site.

#### **Fire Protection:**

Fire protection facilities are designed to fight one major fire (single largest risk) as per design philosophy given in OISD 117. Water spray system is provided for existing LPG Bullets, Pump Houses and Sheds.

Safety distances between facilities are provided as per PESO/ OISD norms. Also, fire water tanks and pumps are located more than 30 m away from risk area (including proposed tanks) as stipulated by OISD 117. Required number of firewater pumps and jockey pump are provided to take care of the fire hydrants. Four hours pumping capacity are provided for fire water storage in two tanks of 3800 KL each.

There is a well laid out ring main system around the hazardous area which is provided with fire hydrant points and monitors as per requirements of OISD-117. In addition, adequate number of portable fire extinguishers of dry chemical type is also provided. The additional tanks proposed also will be provided with a fire hydrant system all around and water sprinkler system as required.

The case was presented by the PP and their consultant in the 269<sup>th</sup> SEAC meeting dated 29/02/2016 wherein after presentation committee decided to issue standard TOR prescribed by the MoEF&CC for carrying out EIA study with following additional TOR's:-

1. Site specific risk assessment study should be carried out and same should be submitted with EIA report.
2. Data already collected can be used in EIA report.
3. VOC's should be monitored with other air quality monitoring parameters.
4. Compliance of earlier EC conditions be submitted through MoEF&CC.

PP has submitted the EIA report vide letter dated 16/11/2016 which was forwarded by the SEIAA vide letter no. 4463/SEIAA/16 dated 23/22/2016.

The EIA was presented by the PP and their consultant in the 285<sup>th</sup> SEAC meeting dated 26/12/2016 wherein after presentation PP was asked to submit response on following:

1. Complete details of parking facilities developed inside the premises as it could be seen from the Google image of 28/04/2015, numbers of vehicles are parked outside the premises causing traffic congestion.
2. Detailed traffic circulation plan should also be submitted to avoid unnecessary waiting time of vehicles and PP's written commitment and at any time there will be no parking outside of the premises.
3. Detailed reply with EMP of all the queries rose during public hearing.
4. Compliance of earlier EC conditions be submitted through MoEF&CC.
5. Detailed green belt plan with area, name of species and their number.

PP vide letter dated 10/03/2017 has submitted the replies of above queries and the compliance report of earlier EC conditions which was forwarded by SEIAA vide letter no. 5689/SEIAA/2017 dated 25/03/2017 which were placed before the committee. Committee found that the reply submitted by PP is found adequate and satisfactory and the compliance report of MoEF&CC of earlier EC conditions is also satisfactory, thus the case is recommended for grant of prior EC for Expansion for Construction of New Mounded Storage Vessels 3 Nos. x 300 MT each, Cylinder Pressure Testing Shed with two Paint Booths, Addition of two Unloading Bays, Addition of one DG Set 500 KVA, Construction of Underground Diesel Tank 20 KL for Captive use, Construction of Tank Lorry Parking at LPG Bottling plant, Bakania subject to the following special conditions:

1. Adequate buffer zone to be created around the tankage facilities, as per the requirements of OSID or other statutory requirements.
2. VOC and HC shall be regularly monitored in the work zone in the plant along with the other parameters and data shall be submitted to MPPCB and R.O of MoEF&CC.
3. The company shall construct garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted regularly and reports should be submitted to concerned authorities.
4. PP should install oil & grease trap and entire process effluent should be channelize through oil & grease trap before sending effluent to the ETP.
5. The project authorities should comply with the provisions made in Manufacture. Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc. All Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2008.
6. Company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulations made by the respective authorities.
7. Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
8. As committed, PP should plant atleast 1000 trees per year as per the submitted plan.
9. All recommendations mentioned in the EMP / DMP shall be binding for the project authorities.
10. Dedicated parking facility for loading and unloading of material shall be provided in the plant. Management shall develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on public road. No parking of loading and unloading vehicles related to this faculty outside plant premises is permitted.
11. The Environmental Management Cell with suitably qualified and experienced staff for implementation of the stipulated

environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.

12. Good housekeeping shall be maintained within the premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
13. PP will obtain other necessary clearances/NOC from concerned authorities.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Atleast two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations.
17. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
18. The ambient air quality shall be monitored in and around the industry and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
19. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
20. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

14. **Case No. - 5007/2016 The Project Manager, M/s Sagar MSW Solutions Private Limited, 6-3-1089/G/10&11, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad-500082 Prior Environment Clearance for development of an Integrated Municipal Solid Waste Processing & Disposal Facility (350**



**TPD) at Khasra No.-166, Village-Hafsili, Tehsil-Sagar, District-Sagar (M.P.)FoR- ToR .**

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The current Municipal Solid Waste (MSW) management system in Sagar town and ten (10) other surrounding Urban Local Bodies, ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur) currently do not have adequate MSW management facility. Hence realizing the necessity of efficient waste management system, it is proposed to establish an Integrated MSW processing and Disposal Facility on Public Private Partnership (PPP) basis for management of MSW generated in Sagar Town and 10 other surrounding ULBs.

“Sagar MSW Solutions Private Limited (SMSWSPL)” (Project Proponent) was chosen for establishing an Integrated MSW Processing and Disposal Facility in Sagar town. Currently, Sagar Town along with 10 other ULBs generate an average MSW of 180 TPD. All the 10 participating ULBs are within 75 km radius of Sagar Town. Considering the population projection, the Project Proponent proposes to establish a 350 TPD Integrated MSW Processing and Disposal Facility in Sagar Town with facilities such as Composting/Dry Fermentation (for recovery of organics), Materials Recovery Facility (for recovery of recyclables), Refuse Derived Fuel (RDF) facility for recovery of high calorific value waste, Secured Landfill (for disposal of inerts) and Incinerator for leachate treatment/disposal, RDF disposal, and for animal carcass.

The proposed Integrated Waste Management Facility will be established in a land of about 10.50 hectares located within Sagar town. Because this project aims at modernization of existing dumpsite (which is being used for more than 10 years), no alternative sites were considered for development of this facility. The proposed site proves to be the best location considering both the environmental and economical factors.

Sagar District is abound of Deep and Medium Black Soils. Sagar has a borderline climate with hot summers, a somewhat cooler monsoon season and cool winters. Heavy rain falls in the monsoon season in the month of July and August. Sagar experiences maximum precipitation (64% of the total annual) in the month of July and August with 16.5 mm and 19.7 mm rainy days whereas March and April experience least. Summers lasts from March to June whereas December and January are coldest months.

The water requirement for operating the proposed facility is about 10 KLD. It is expected that Sagar Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is about 0.5 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.

The current MSW waste generation from Sagar and surrounding ULBs is about 180 TPD. Considering some factor of safety, the proposed Integrated MSW Processing and Disposal Facility will be established to handle about 350 tons of MSW per day (350 TPD).

Based on the waste characteristics, proposed process consists of dry fermentation (Anaerobic digestion), Composting (Aerobic digestion), RDF and Material (Recyclables) recovery facilities. The waste received to the facility will be taken at waste receiving platform after its weightment and inspection process. At the waste receiving platform, bulky / large articles like tyres, boulders etc. will be separated and the same will be sent for further process and the rejects / inert material will be sent for disposal into sanitary landfill. From there the waste will be mechanically segregated using a Trommel / Screens with screen hole size of 100 mm into organic fraction (100 mm in size). The organic fraction of waste will be processed through dry fermentation process to recover bio-gas followed by aerobic composting process in the windrow platform. Upon completion of these anaerobic and aerobic decomposition processes the waste will be routed for coarse segregation / primary screening and segregated into components by size, manual separation of waste components, and separation of ferrous and non-ferrous metals. The segregated materials will be sent for further processing. The final products from the proposed processing plants will be Bio-gas, Compost, Recyclables and RDF. The quantity of the final products resulting from

processing facility may vary depending on the characteristics of incoming waste. The quantity of inert / process rejects sent to landfill will be restricted to less than 20%.

The case was presented by the Project Manager, M/s Sagar MSW Solutions Private Limited wherein during deliberations it was informed to the committee by the PP that Municipal Corporation, Sagar has entered in to an agreement with M/s Ramky Enviro for the execution of the project. M/s Ramky Enviro has constituted a SPV with the name M/s Sagar MSW Solutions Private Limited for the execution of the project.

The case was earlier discussed in the 273<sup>rd</sup> SEAC meeting dated 01/04/2016 wherein as per the observation of the committee all the formalities for obtaining EC are to be completed by PP or his authorized person only, which in this case is Municipal Corporation, Sagar. The M/s Sagar MSW Solutions Pvt. Ltd is only a concessioner of the project. The M/s Sagar MSW Solutions Pvt. Ltd appearing as PP were unable to produce any document issued by Municipal Corporation, Sagar authorizing them to obtain EC on their behalf. The committee is, therefore, of the view that M/s Sagar MSW Solutions Pvt. Ltd be asked to submit a clarification to this effect with supporting documents from Municipal Corporation, Sagar.

PP vides their letter dated 29/04/2016 has submitted a letter of Commissioner, Sagar Municipal Corporation wherein it is mentioned that “*Sagar Municipal Corporation hereby provides Authorization to Sagar MSW Solutions Private Limited to obtain Environmental Clearance on Sagar Municipal Corporation’s behalf*”.

The case was presented in the 276<sup>th</sup> SEAC meeting dated 13/05/2016 by the PP (Mr. Karunakar Nune, Excecutive, HR, Sagar Municipal Corporation), and representatives of M/s Sagar MSW Solutions Private Limited, Hyderabad and Shri Chakradhar, Ramky Enviro, Hyderabad. Committee after deliberations decide that since Commissioner, Sagar Municipal Corporation, Sagar have authorize M/s Sagar MSW Solutions Private Limited, Hyderabad, Standard TOR as prescribed by the MoEF & CC for conducting EIA studies be issued along with following additional TOR’s:

1. How the waste would be segregated while protecting the health of the workers so as not to cause adverse effect on them should be discussed in EIA.
2. How the lechates will be handled be discussed in the EIA.
3. It is proposed that “animal caracals” will be incinerated. Is it possible to recover bones and utilize for other purpose?
4. MSW handling technology should be frezed for all the wastes and worst case scenario be studied and discussed in the EIA.
5. The proposed site is close to railway station, the probable impact be discussed in EIA and mitigative measures should form the part of EMP.
6. Preventive measures that will be taken to prevent fire due to methane generation be discussed in the EIA.
7. PP and their consultant informed that they have already stared EIA study including data collection, survey, monitoring etc and requested to use the same. The committee agreed to their request.

PP vide letter dated 30/03/2017 has submitted a request for withdrawal of their earlier application related to construction of landfill site at Hafisli, Sagar with proposal no. SIA/MP/MIS/3234/2015 and file no. 5007/2016 as fresh application with new allotted site at Maswai Grant, Sagar with proposal no. SIA/MP/MIS/17995/2016 and file no. 5524/2017 which was placed before the committee. Committee on perusal of above submission observed that TOR for the new site at Maswai Grant, Sagar has been approved by the committee in this meeting and thus decided that on the above request of PP and allotment of new site for landfill, case can be considered for withdrawal and file may be sent to SEIAA for further necessary action.

- 15. Case No. – 2192/2014 Shri Gourav Khandelwal, Partner, M/s Siddhivinayak Enterprises, Teacher Colony, Rambhalpur Road, Meghnagar, Jhabua (MP)-457779 expansion of unit for Organic intermediate manufacturing(Revised Product-Phosphorus,Gypsum,Magnesium Sulphate,Dyes Intermediates along with previous product i.e Zinc Sulphate in the record) at Plot No.- 30, Meghnagar Industrial Area at Meghnagar, District-Jhabua (MP) Capacity- 50 MT/Month. Total Area- 2346.24 Sqm.**

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 188<sup>th</sup> SEAC Meeting dated 02/05/15. The presentation and the submissions made by the PP reveals following:

- It is an existing unit is located at Plot No. 30, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh.
- The unit is manufacturing magnesium sulphate, manganese sulphate and Phospho gypsum. Existing production capacity is 500 MT/Year as per CCA No. AW- 23181. Now, the unit has proposed expansion for manufacture of Dye Intermediates.
- Proposed capacity for manufacturing of Dye Intermediates is 600 MT/Year.
- The project proponent is also having a second unit - M/s Devansh Trading Company in the same area and will manufacture same Dye Intermediates at Plot No. 137, AKVN, Industrial Area, Meghnagar, District-Jhabua (M.P.) the application of which is listed as Case no. 2193 at SEIAA for prior EC.
- The expected cost of proposed expansion is Rs.80 lacs..
- The total plot area is 2346.24 sq. m. The planned green belt area will be 710 sq. m. i.e. about 30% of total area.

**Project location**

The proposed project site is located at Plot No. 30, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh. It is approximately 15 Km distance from Dist. Jhabua. The approximate geographical positioning of the project site is at Latitude: 22°55’10.5168”N Longitude: 74°33’30.351”E.

**Water consumption**

Category	Water Consumption (KL/DAY)
Domestic	5
Industrial	
Process	10
Washing	5

Boiler	5
Cooling	5
Total(Industrial)	25
Tot (Industrial + Domestic)	30

**Waste water generation**

Category	Waste Water Generation (KL/Day)
Domestic	3
Industrial	
Process	5
Washing	5
Boiler	2
Cooling	2
Total(Industrial)	14
Total (Industrial + Domestic)	17

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 over all water balance to be worked out presented with details of the proposed 'Zero liquid discharge' claim.

3. Product-wise material and solvent balance
4. Latest MSDS data with compliance plan to be furnished for all the raw material / finished products hard-copies to be furnished.
5. Details of all the scrubbing agents to be furnished.
6. The fly-ash from boiler is proposed to be supplied to the brick manufacturers; the qualitative analyses report of the ash to be furnished from the already operating similar units.
7. The EIA has to be prepared by an accredited consultant only.
8. Detailed plantation scheme essentially incorporating thick peripheral plantation to be furnished along with mapping of green areas on a lay-out map.
9. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.
10. Details of storage of each product & raw material.
11. Detailed lay-out with adequate green area.
12. Plan for prevention of waste water percolation into the ground water to be submitted.
13. Ground-water study shall be carried out in the region including the water table and the quality.
14. Base line environmental data can be used in the EIA but the data should not be older than 02 years. The existing data if used in the EIA should be validated before use.

The TOR was approved in the 188<sup>th</sup> SEAC meeting dated 02/05/2015. The PP and their consultant presented the EIA in this meeting and after discussions PP was asked to submit response to the following queries:

1. The quantity of flyash generated should be submitted corresponding to the fuel used.
2. Storage of product in the plant premises along with their compatibility study be submitted.
3. During discussion it was suggested that generated iron sludge and gypsum sludge should be disposed off in the CTSDf, Dhar for which PP should submit commitment.
4. Liners of containers should be disposed off in CTSDf, Dhar for which PP should submit commitment.

5. Ground water table data of the study area should be submitted as per the TOR.
6. PP should also submit a declaration regarding no construction/development activity under taken at the project site which so far has not been submitted along with the certification of the consultant that no construction or production activity at this site for the proposed products has been taken.
7. Surface water monitoring is carried out only at two locations thus PP was asked to carryout additional surface water monitoring for winter season at atleast four more locations covering two nearby ponds (one named as amlipather pond).
8. In EIA where ever, the concentration of pollutants exceeds the prescribed limits, justification along with mitigation measures suggested which is missing in this case. Thus PP was asked to submit the same with revised EMP addressing above.

Committee also proposes 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, PP may also be called for discussion/presentation on issues that emerge during site visit.

**Site Visit Report was discussed in the 256<sup>th</sup> SEAC Meeting dated 03/01/2016 which is as follows:**

**BACKGROUND**

The TOR was issued to this unit in the 188<sup>th</sup> SEAC meeting dated 02/05/2015 and EIA presentation was made by the PP in the 245<sup>th</sup> SEAC meeting dated 09/12/2015 wherein it was decided to carryout 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, PP may also be called for discussion/presentation on issues raised at the time of site visit.

As decided, Shri K. P. Nyati, Member SEAC and Shri R. Maheshwari, member SEAC visited the site on 20/12/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer MP Pollution Control Board, Bhopal and Shri Gaurav Khandelwal,



PP were also present. The concerned Regional Officer, of MPPCB Dhar Region, Shri Hemant Sharma, and Shri AK Bisen EE accompanied the SEAC team to the site.

**Project location**

This unit is located at Plot No. 30\*\*, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh. It is approximately 15 Km distance from Dist. Jhabua and 0.5 Kms from Ghosliya bada Village. The approximate geographical positioning of the project site is at Latitude: 22°55’10.55’’N, Longitude: 74°33’30.45’’E.,

The unit is manufacturing Magnesium Sulphate, Manganese Sulphate and Phospho Gypsum. The existing production capacity is 500 MT/year and now, the unit has proposed expansion for manufacturing of Dye Intermediates to the tune of 600 MT/Year. Thus, the total production capacity will be 1100 MT/Year. The total plot area is 2346.24 sq. m. with following details:

SL.No.	DETAILS	AREA IN m2	% OF TOTAL AREA
1.	Plant Area and Raw Material storage area	772	32.90
2.	ETP Area	450	19.18
3.	ETP Expansion area	200	08.5
4.	Green Belt Area	704	30
5.	Finished Goods Storage Area	120	5.1
6.	Open Space Area	210	8.95
7.	Road Area	150.24	6.39

	TOTAL	2346.24	
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The total requirement of water is 31 KL/Day out of which 16 KL/Day fresh water will be fulfilled by the MPAKVN and remaining 15 KL/day will be recycled water recovered from MEE.

During site visit, it was observed that two reactors and three mixers are in existence under a shed in the plant premises with one tank for storage purposes. No industrial operations were being carried out at the time of inspection. As informed, the unit earlier has obtained consent to operate on dated 26/07/2012 (consent to establish on 14/11/2013) from the M. P. Pollution Control Board for manufacturing of Acid slurry. Later on unit has obtained consent to establish and consent to operate from the board as expansion for manufacturing of Manganese Sulphate and Phospho Gypsum to the tune of 500 MT/Annum on dated 14/11/2013 and 07/12/2013 respectively. Neither any process residues nor waste materials of earlier production were stored on the site/plant premises, however the remains of it were observed on the premises soil which also appears to be freshly spread with gravel and its some portion freshly concreted. PP was also unable to explain how these materials were disposed off. No documentary evidences were produced by the PP for the disposal of above wastes even when demanded by the committee. PP also failed to produce the details of products manufactured earlier.

#### RECOMMENDATIONS

Following are the recommendations:

1. Since necessary details are not provided during site inspection, thus PP may be asked to provide following details:-

- a. The list of equipment and machineries with year of installation of each one of them after 26/07/2012 from date of consent to establish obtained from M. P. Pollution Control Board.
  - b. The product-wise monthly production details from 2012 till date vis-à-vis the consented capacity of M. P. Pollution Control Board.
  - c. The product-wise monthly consumption of raw materials from 2012 till date.
  - d. Copies of consent and authorization under HW (M, H & TBM) Rules, 2008 obtained from M. P. Pollution Control Board.
  - e. Details/components of Effluent Treatment Plants installed for the treatment of waste water for earlier products.
  - f. Any dismantling activities taken up in the recent past and if yes, how these equipments and other debris are dismantled and disposed off.
  - g. Details of hazardous wastes with their respective quantities generated since 2012 and their mode of disposal with documentary evidences.
  - h. Details of any notices/directions issued by the M. P. Pollution Control Board or any other Govt. Department during last three years and their compliance statement.
2. Regional Officer, M. P. Pollution Control Board, Dhar may also be asked to provide details of any notices/directions issued to the company and compliance report of consent conditions issued for earlier products. Similarly, analysis reports of waste water and any other solid/hazardous wastes collected from the premises of the unit, if any.

PP vide letter no. 512 dated 02/03/2016 was asked to submit the above information for further consideration of the project but till date no information is submitted by PP. The above case was placed before the committee as PP has not submitted the desired information since long. The committee observed that since PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information and pending since long.

**16. Case No. – 2193/2014 Shri Mahesh Prajapati, Partner, M/s Devansh Trading Company, Dashara Maidan, Meghnagar, Jhabua (MP) M/s Devansh Trading Company proposed expansion for manufacturing of Dye Intermediates (Revised Product-Ammonium Sulphate, Iron Sulphate, Sodium Sulphate, Phosphorus Gypsum, Dyes Intermediates in the record) at Plot No.- 137, Meghnagar Industrial Area at Meghnagar, District - Jhabua (MP) Capacity- 50 MT/Month.**

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 188<sup>th</sup> SEAC Meeting Minutes dated 02<sup>rd</sup> May 2015. The presentation and the submissions made by the PP reveals following:

- This is an existing unit is located at Plot No. 137, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh.
- The unit is manufacturing Ammonium Sulphate, Iron Sulphate, Sodium Sulphate and Phospho Gypsum .
- Existing production capacity is 500 MT/year as per CCA No. AW-23182.
- Now, the unit has proposed expansion for manufacturing of Dye Intermediates.
- Proposed capacity for manufacturing of Dye Intermediates are 600 MT/Year.
- Thus, total capacity for manufacturing is 1100 MT/Year.
- The expected cost of proposed expansion is Rs.80 Lacs.
- The total plot area is 3203 sq. m.
- The planned green belt area will be 961 sq.m. i.e. about 30% of total area.

**Project location**

- This unit is located at Plot No. 137, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh.
- It is approximately 15 Km distance from Dist. Jhabua.
- The approximate geographical positioning of the project site is at Latitude: 22°54'20.7"N, Longitude: 74°33'16.8"E.

**Water consumption**

Category	Water Consumption (KL/Day)
Domestic	5
Industrial	
Process	10
Washing	5
Boiler	5
Cooling	5
Total(Industrial)	25
Total (Industrial + Domestic)	30

**Waste water generation**

Category	Waste Water Generation (KL/Day)
Domestic	3
Industrial	
Process	5
Washing	5
Boiler	2
Cooling	2
Total(Industrial)	14
Total (Industrial + Domestic)	17

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 over all 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. Base line environmental data can be used in the EIA but the data should not be older than 02 years. The existing data if used in the EIA should be validated before use.

The TOR was approved in the 188<sup>th</sup> SEAC meeting dated 02/05/2015. The PP and their consultant presented the EIA in this meeting and after discussions PP was asked to submit response to the following queries:

1. The quantity of fly ash generated should be submitted corresponding to the fuel used.
2. Storage of product in the plant premises along with their compatibility study be submitted.
3. During discussion it was suggested that generated iron sludge and gypsum sludge should be disposed off in the CTSDF, Dhar for which PP should submit commitment.
4. Liners of containers should be disposed off in CTSDF, Dhar for which PP should submit commitment.
5. Ground water table data of the study area should be submitted as per the TOR.
6. PP should also submit a declaration regarding no construction/development activity under taken at the project site as the same has not been submitted so far. A certification of the consultant that no construction or production activity at this site for the proposed products has been taken also to be submitted.
7. Surface water monitoring is carried out only at two locations thus PP was asked to carryout additional surface water monitoring for winter season at least at four more locations covering two nearby ponds (one named as amlipather pond).
8. In EIA where ever, the concentration of pollutants exceeds the prescribed limits, justification along with mitigation measures suggested which is missing in this case. Thus PP was asked to submit the same with revised EMP addressing above.

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, PP may also be called for discussion/presentation on issues emerging during site visit.

**Site Visit Report was discussed in the 256<sup>th</sup> SEAC Meeting dated 03/01/2016 which is as follows:**

The TOR was issued to this unit in the 188<sup>th</sup> SEAC meeting dated 02/05/2015 and EIA presentation was made by the PP in the 245<sup>th</sup> SEAC meeting dated 09/12/2015 wherein it was decided to carryout 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, PP may also be called for discussion/presentation on issues raised at the time of site visit.

As decided, Shri K. P. Nyati, Member SEAC and Shri R. Maheshwari, member SEAC visited the site on 20/12/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer MP Pollution Control Board, Bhopal and Shri Mahesh Prajapati, PP were also present. The concerned Regional Officer, of MPPCB Dhar Region, Shri Hemant Sharma and Shri AK Bisen, EE accompanied the SEAC team to the site.

### **Project location**

This unit is located at Plot No. 137, AKVN, Industrial area, Meghnagar, District: Jhabua, Madhya Pradesh. It is approximately 15 Km distance from Dist. Jhabua and 0.5 Kms from Ghosliya bada Village. The approximate geographical positioning of the project site is at Latitude: 22°54'20.7"N, Longitude: 74°33'16.8"E.

The unit is manufacturing Ammonium Sulphate, Iron Sulphate, Sodium Sulphate and Phospho Gypsum. The existing production capacity is 500 MT/year and now, the unit has proposed expansion for manufacturing of Dye Intermediates to the tune of 600 MT/Year. Thus, the total production capacity will be 1100 MT/Year. The total plot area is 3203 sq. m. with following details:

<b>SL.No.</b>	<b>DETAILS</b>	<b>AREA IN m2</b>	<b>% OF TOTAL AREA</b>
1.	Plant Area and Raw Material storage area	910	28.4
2.	ETP Area	500	15.5
3.	ETP Expansion area	332	10.4
4.	Green Belt Area	961	30



5.	Finished Goods Storage Area	140	4.4
6.	Open Space Area	210	6.6
7.	Road Area	150	4.7
	TOTAL	3203	

The total requirement of water is 31 KL/Day out of which 16 KL/Day fresh water will be fulfilled by the MPAKVN and remaining 15 KL/day will be recycled water recovered from MEE.

During site visit, it was observed that two reactors and two mixers are in existence under a shed in the plant premises with three tanks for storage purposes. No industrial operations were being carried out at the time of inspection. As informed, the unit earlier has obtained consent to operate on dated 09/12/2013 (consent to establish on 14/11/2013) from the M. P. Pollution Control Board for manufacturing of Ammonium Sulphate, Iron sulphate, Sodium Sulphate and Phospo Gypsum to the tune of 500 MT/Annum. Neither any process residues nor waste materials of earlier production were found stored on the site/plant premises, however the remains of it were observed on the premises soil which also appear to be freshly spread with gravel. PP was also unable to explain how those materials were disposed off. No documentary evidences were produced by the PP for the disposal of above wastes even when demanded by the committee. PP also failed to produce the details of products manufactured earlier.

## RECOMMENDATIONS

Following are the recommendations:

1. Since necessary details are not provided during site inspection, thus PP may be asked to provide following details:-
  - a. The list of equipment and machineries with year of installation of each one of them after 14.11.2013 from date of consent to establish obtained from M. P. Pollution Control Board.
  - b. The product-wise monthly production details from 2013 till date vis-à-vis the consented capacity of M. P. Pollution Control Board.
  - c. The product-wise monthly consumption of raw materials from 2013 till date.

- d. Copies of consent and authorization under HW (M, H & TBM) Rules, 2008 issued by the M. P. Pollution Control Board.
- e. Details/components of Effluent Treatment Plants installed for the treatment of waste water for earlier products.
- f. Any dismantling activities taken up in the recent past and if yes, how these equipments and other debris are dismantled and disposed off.
- g. Details of hazardous wastes with their respective quantities generated since 2013 and their mode of disposal with documentary evidences.
- h. Details of any notices/directions issued by the M. P. Pollution Control Board or any other Govt. Department during last three years and their compliance statement.

Regional Officer, M. P. Pollution Control Board, Dhar may also be asked to provide details of any notices/directions issued to the company and compliance report of consent conditions issued for earlier products. Similarly, analysis reports of waste water and any other solid/hazardous wastes collected from the premises of the unit, if any.

PP vide letter no. 510 dated 02/03/2016 was asked to submit the above information for further consideration of the project but till date no information is submitted by PP. The above case was placed before the committee as PP has not submitted the desired information since long. The committee observed that since PP has neither submitted the desired information nor has requested for providing additional time to submit desired information and thus decided that this case may be recommended for delisting to SEIAA as per MoEF&CC OM No. F-11013/5/2009-IA-II (Part) dated 30/10/2012 as PP has not submitted the desired information and pending since long.

**[Dr. R. B. Lal]**  
**Chairman**