The 273rd meeting of the State Expert Appraisal Committee (SEAC) was held on 01stApril, 2016 under the Chairmanship of Dr R.B. Lal for discussion on the query responses submitted by the PP and 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. S. K. Iyer, Member
4. Dr. Mohini Saxena, Member
5. Dr. Alok Mittal, Member
6. Dr. Manoj Pradhan, Member
7. Shri A. A. Mishra, Secretary

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

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

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

The case was scheduled for presentation today but PP informed vide letter dated 01/04/2016 that due to some reason their consultant is unable to attend the presentation today thus their case should be deferred for next scheduled meeting of SEAC. The committee decided that on the request of PP, case may be scheduled for presentation in the subsequent meetings of SEAC.

2. **Case No. - 4898/2015 Shri Manish B. Shah, Director, M/s Sadhana Fertilizer & Chemicals Pvt. Ltd., Plot No. 100, AKVN Industrial Growth Centre, Meghnagar, Taluka-Meghnagar, District-Jhabua (MP)-457779** ***Prior Environment Clearance for proposed Sadhana Fertilizer & Chemicals Pvt. Ltd., Production Capacity - 36100 MTPM, Area- 12800 Sqmt., at Plot No.- 100, AKVN Industrial Growth Centre, Meghnagar, Taluka-Meghnagar, District-Jhabua (MP)***

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

This is project pertaining to proposed dye and dye intermediate manufacturing unit with production capacity of 3600 MTPM. The project is covered under EIA Notification as item 5 (a) of the Schedule of the said notification. Application has been forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project.

The case was scheduled for presentation in the 271st SEAC meeting dated 02/03/2016 wherein it was observed that neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a monthôs time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The PP and their consultant came for the presentation but during deliberations it was observed that PP so far has not submitted the desired documents as informed to them by SEIAA vide letter 10531/SEIAA/15 dated 14/01/2016 as SEIAA has mentioned that case should be appraised only after receiving above documents/information. Thus committee decided that PP may be asked to submit all the documents as communicated by SEIAA along with copy of DIC registration for manufacturing of proposed products for further consideration of the project.

3. **Case No. - 5006/2016 Shri Naveen Mehta, Director, M/s Orange Infracon Pvt. Ltd., UG-21, BCM Heights, Sch. No. 54, Indore (M.P.)-452010** ***Prior***

Environment Clearance for expansion of High Rise Residential Project "BCM Park" Existing Built-up Area-19221.84 sq.m. Total Built-up Area-57408.76 sq.m. at Khasra No.-10/8, 11, 12/2/8-Min2, 38-Min2 & 39/3/7-Min-4, & 39/3/7-Min5, Vill-Pipliya Kumar, The & District-Indore (M.P.) **For- Building Construction.**
Name of Consultant: EQMS India Pvt. Ltd., Delhi

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations. This project pertains to expansion of High Rise Residential Project ñBCM Parkò located at Khasra No. 10/8, 11, 12/2/8-min2, 38-min 2 & 39/3/7-min 4 & 39/3/7-min 5, Village Pipliya Kumar and EWS Plot at Khasra No. 30/3/1/5/3, Village Lasuriyamori, Tehsil & District Indore, M.P.

M/s Orange Infracon Pvt. Ltd. has developed a housing colony at village Pipliya Kumar, Tehsil-Indore, District-Indore, M.P. comprising of four residential blocks with S+6 floors (Block A, B, C & E), club block (Block D-G +1), EWS block (outside the project site at distance of apprx 660 m from site), basement and other allied facilities.

The project is spread over an area of 11,570 sq m and has built up of 19221.94 sq m. Due to inclusion of project area within municipal limits of Indore, permissible FAR limit of the plot has increased. M/s Orange Infracon Pvt. Ltd. now intends to expand the housing project to avail FAR of 2 as per bye laws of Bhumi VikasNiyam (previously the FAR was 1: 1.3 when the site was outside the municipal limits).

M/s Orange Infracon Pvt. Ltd. has planned to add 9 nos of floors to each residential block to avail the complete FAR. After expansion, project will comprise of 4 residential blocks with S +15 floors (Block A, B, C & E), club block (block D- G+1), EWS block (S +2)-inside project site, basement for parking and EWS plot of 780 sq m (outside the project site at distance of 660 m from site).

Project involves development of 210 dwelling units and as per the laws it is proposed to provide 48 dwelling units for EWS & LIG section (30-EWS & 18 LIG). LIG units are proposed to be provided at 1-3 floors of block C & EWS units will be provided in EWS blocks proposed within the site (6 units) & outside (24 units) the project site.EWS block proposed outside the project site is of area 780 sq m and is at distance of 660 m from site in NW direction.

SALIENT FEATURES OF PROJECT

Parameters	**Existing**	**Expansion**	**Total**
Population	648	900	1548
Project Cost	55.35 Cr	28.65 Cr	84 Cr
Fresh Water Requirement (KLD)	53.5	74	127.5
Treated Water Requirement (KLD)	59.5	81	150.5
Sewage (KLD)	67	100	167
Rain Water Harvesting Pits	6	6	6
Parking Provided (ECS)	231	93	324
Power Requirement (kVA)	1184 kVA		
Municipal Solid waste Generation (kg/day)	292	405	697
Built-up (sq m)	19221.84	34127.91	53349 .75
Green Area (sq m)	3672	0	3672
Nos. of Units	108	126	234
Height (m)	18	27	45

Nearest City	Indore (7 km, SW)
Nearest School	Bhavan School (100 m, E) Chotiram International School (1.4 km, E) St. Arnold School (2.1 km, SW) Prestige Public School (3.1 km, SW) Shishukunj International School (4.3 km, SE)
Nearest College	SKRP Gujarati Homeopathic Medical College (2.0 km, SW)

Nearest Hospital	Bombay Hospital (1.9 km, SW) Synergy Hospital (2.5 km, SW)
Water Body	Drain (E) Khan River (3.4 km, WSW) Saraswati River (2.9 km, W)
Nearest Roads & Highways	9 m Road abuts site 30 m road connects Eastern ring road (200 m, W) Agra Bombay road (1 km,W) NH-3 (2.5 km, E)
Nearest Railway Station	Lakshmi Bai Nagar Railway station (6.5 km, SW)
Nearest Airport	Devi Ahilya Bai Holkar Airport (12 km, SW)

AREA STATEMENT

Description	Area sq m
Total Plot Area	780
Area under road widening	194.48
Net Plot Area	585.52
Perm GC (@30%)	175.656
Proposed GC	175.656
Permissible FAR (@1.3)	761.176
Proposed FAR (@1.106)	652.98
Non FAR	261.5
Units	24
Green Area (@23% plot area)	135.7
Road/Paved Area	277.3
Built-up	914.48

S. No.	**Built-up Area Total**	**Built-up Area Existing-Project Site**	**Built-up Area Expansion-Project Site**	**Built-up Area-EWS Block Outside Site (Expansion)**
1.	58323.24	19221.84	38186.92	914.48

S. No.		Nos. of Dwelling Units ï Existing	No of Dwelling Units Proposed	Total Nos. of Units
1.	2 BHK	24 (Block A & B)	22 (Block A & B)	46
2.	3 BHK	48 (Block A & B)	44 (Block A & B)	92
3.	4 (S) BHK	12 (Block C)	6 (Block C)	18
4.	4 BHK	24 (Block E)	28 (Block E)	52
5.	Duplex	0	2 (Block E)	2
6.	LIG	0	18 (Block C)	18
7.	EWS	0	30 (24-EWS block outside site & 6 EWS block inside site)	30
Total Units		108	150	258

POPULATION STATEMENT

Category	No of person/DU	Existing Units	Existing Population	Expansion Units	Expansion Population	Total Units	Total Population
Residents	5	108	540	150	750	258	1290

Staff (club +housekeeping +security +O&M)	10% of residential population	--	54	--	75	--	129
Visitors	10% of residential population	--	54	--	75	--	129
Total Population							1548

Total Water Requirement: 212 KLD (102 KLD-Existing & 110 KLD- Expansion)

Sewage Generation: 167 KLD (67 KLD-Existing & 100 KLD- Expansion)

Capacity of STP: 190 KLD

Power Requirement & Capacity of DG Set: 1184 kVA &1 No. DG set of 320 kVA

Parking Required: 249 ECS (136 ECS-Existing & 113 ECS- Expansion)

Parking Proposed: 324 ECS (171 ECS-Basement & 153 ECS Stilt/Podium) and additional visitors parking at surface

Green Area: 3672 sq m (31.73% of plot area, i.e. 11570 sq m)

Total Municipal Solid Waste Generation & Disposal: 697 kg/day and to be disposed off through municipal corporation

No. of RWH Pits: 6 Nos.

The case was presented by the PP and their consultant wherein the submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 142.50 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. 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 660 numbers of trees will be planted in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
5. Power back-up for un-interrupted operations of STP shall be ensured.
6. CFL/LED should be preferred over of tube lights.
7. Fund should be exclusively earmarked for the implementation of EMP.
8. MSW storage area should have 48 hours storage capacity.
9. Dual plumbing should be provided.
10. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
11. 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.
12. PP will obtain other necessary clearances/NOC from concerned authorities.

4. Case No. - 5007/2016The 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.) Env. Cons. – Not disclosed.***

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (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 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 MSW (Management and Handling) Rules, 2000 and subsequent

amendments. 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.

ñSagar MSW Solutions Private Limited (SMSWSPL)ò (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 humid subtropical climate and tropical savana 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. 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.

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.

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.

5. **Case No. - 5008/2016The Project Manager, M/s Katni 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 (150 TPD) at Khasra No.-527, Area-6.20 ha. Village-Padarwara, Tehsil-Katni, District-Katni (M.P.) Env. Cons. – Not disclosed.***

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (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 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 does not comply with MSW (Management and Handling) Rules, 2000 and subsequent amendments. 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 Katni town and 4 other surrounding ULBs.

ñKatni MSW Management Private Limitedò (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 inerts) 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 the 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.

Katni District is abound of Deep and Medium Black Soils. Deep Black Soil: These are dark grayish Brown in color and are found at more than 100 cm depth. These have high clay content ï ranging from 40% to 60% and thus have high moisture retention capacity. Medium Black Soil: These are slightly coarse soil and are found at depths 30 cm to 100 cm. They are dark brown in color and have a lower clay content ï 20% to 40%. The soil has a Medium ï Nitrogen(N) content, Low ï Phosphorus(P) content and Medium ï Potassium(K) Content as per the ñCompendium on Soil Healthò by Ministry of Agriculture. 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 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 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.

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 were 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.

6. **Case No. - 5009/2016Shri Abdullah Husain, M/s Amaltas India Ltd., Partner, S-9, Sanchi Complex, Bhopal (M.P.)-462016*Prior Environment Clearance for Residential Housing Project "Amaltas Westminster" Land Area-2.063 ha., Built-up Area-30389.57 sqmt., at Khasra No.-32/282/32/1/1Ka/2, Village-Rasalakhedi, Tehsil-Huzur, District-Bhopal (M.P.)*FoR- Building Construction.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14th September 2006 and

amended to the date) and involves environmental clearance on the basis of Form 1, Form 1A and Conceptual plan. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

Location:

Village Rasalakhedi,
Bhopal khsara no : 32/282/32/1/1d/2
Village : Rasalakhedi Tehsil : Bhopal District : Bhopal
State : Madhya Pradesh

Total Land Area = 2.063 Ha
Total Built Up Area = 30389.57 SQM

Break-up of expected generation of Municipal Solid Waste (MSW) from the project is given below:

Population of project area	MSW Generation Mt./day
Permanent Population (fully occupied operational phase) 2235	1.148
Floating Population (construction phase) 112	0.001
Total	1.149

Water requirement details are as follows;

Requirements Mode	Water consumption (KLD)
Domestic Water	203
Flushing Water	101
Water requirement for Horticulture will be met through recycled water	Nil
Total	304

The case was presented by the PP and their consultant wherein the submissions made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 216 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. 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 400 no of trees will be planted in residential area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
4. STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.
5. Power back-up for un-interrupted operations of STP shall be ensured.
6. CFL/LED should be preferred over of tube lights.
7. Fund should be exclusively earmarked for the implementation of EMP.
8. MSW storage area should have 48 hours storage capacity.
9. Dual plumbing should be provided.
10. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
11. 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.
12. PP will obtain other necessary clearances/NOC from concerned authorities.

7. Case No. - 2317/2014 Mr. Sanjay Mehta, Director, 21, Vishnupuri GNSS and M/s Raj Homes Pvt. Ltd., Zone-II, M.P. Nagar, Bhopal-462011 (M.P.) ***Building construction project "Raj Shahi Apartments, Raj Classic Apartments and Raj House" at Khasra No.-311/43,43,41,45/1/1/1,45/1/1/2/1, &35/1, Village-NarelaShankari, Tehsil-Huzur, District-Bhopal (M.P.) Total Plot Area -38823.19 Sq.m., Total Build up Area - 87653.22 Sq.m., Env. Cons. – Not disclosed.*** **FoR-Building Construction.**

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

DETAILS OF THE PROJECT

Sr. No.	Item	Details
1.	Name of the project/s	Raj Classic Apartments, RBP-I and part for Multiunit construction project
2.	Proposed built up area	77812.13sqm
3.	Location	Near Minal Residency, J.K. Road, Bhopal
	Plot/Survey/Khasra No.	311/43, 43, 41, 45/1/1/1
	Village	NarelaShankari
	Tehsil	Huzur
	District	Bhopal
	State	Madhya Pradesh
4.	Nearest railway station/airport along with distance in kms.	Bhopal Junction 8 Km Raja Bhoj International Airport 21 km
5.	Nearest Town, city, District Headquarters along with distance in kms.	Bhopal, Bhopal
6.	Village Panchayats, ZillaParishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Bhopal Municipal Corporation, SADAR MANZIL , NAGAR NIGAM BHOPAL Tel: 91-755-2542070
7.	Name of the Applicant	VishnupuriGrihNirmanSahkariSansthaMydt.
8.		Land area 3.44 Ha. The site is plain in nature. MP Bhumi Vikasniyam 2012 shall be followed for the built up area in general 30% ground Coverage and 1:2.5 FAR is permissible. Proposed built up area 77812.13 sqm. Power requirement is 1750 KVA. Required parking is 496 PCU. Provided for 706 PCU.

ACTIVITIES

SNo.	**Information/Checklist confirmation**	**Details thereof (with approximate quantities /rates, wherever possible) with source of information data**
1.3	Creation of new land uses?	The proposed project is a institutional with residential facility. Hence, there will not be any change in land use. The proposed area has been marked for residential development as per the norms of town and country planning.
1.	Construction works?	No, Construction work of all residential buildings with built up area 77812.22sqm shall start with Building permission from Bhopal Municipal Corporation.
2.	Demolition works?	some of the old buildings to be demolished
3.	Facilities for treatment or disposal of solid waste or liquid effluents?	01 Sewage Treatment Plant of 300 KLD shall be provided. Solid waste will be generated during course of operation of facility. It is estimated that total 874.00 kg per day waste will be generated after fully development of the campus. Twin bin waste collection system will be used within the complex - green bins for bio-degradable wastes and blue bins for non-biodegradable wastes shall be provided. Transportation of biodegradable/non recyclable wastes to the common municipal waste landfill site by pp. transportation Personnel engaged in the collection, segregation will be trained and demonstrated to make them proactive and efficient in the solid waste management practices.
4.	Influx of people to an area in either temporarily or permanently?	During construction local worker will be involved. After completion of project about 1750 number of resident are expected to reside within the premises.
5.	Land especially undeveloped agricultural land (ha)	Total 3.44 ha of land is acquired for Project and owned by the applicant. Land use of the area is kept for residential activities as per local land use plan.
6.	Water (expected source & competing users) unit: KLD	(i) Construction Phase : 12 KLD (ii) Operation Phase: During the operational phase, water will be primarily sourced through Municipal water supply as well as from reuse of treated effluent. It is estimated that 294kld fresh water will be required after completion

		of the project.
7.	Energy requirement (MW)	It is estimated that total 1400 KW of power is required while project will be in operation.
8.	Municipal waste (domestic and or commercial wastes)	Mainly domestic and landscape waste will be generated as solid waste from the Project during course of operation. It is estimated that at about 874.00 kg per day of waste will be generated after completion. Adequate number of collection bins for each tower, for bio degradable and non biodegradable waste shall provided as per the MSW (Management & Handling) Rule. Waste form such bin shall collect separately on daily basis. All the collection bins shall be properly placed and maintained on regular basis. The waste will be transported through own vehicles to the trenching ground of BMC.
9.	Treatment of effluent	All waste water generated shall be treated in well designed STP of 300 cum per day. 251 KLD waste water shall be available out which 112kld shall be reused and surplus water shall be discharged to the Municipal drain. Dual plumbing system shall be installed for flushing system in toilets. Separate water tank shall be installed for the treated water.
10.	Alternate Power Supply	DG sets of200KVA and 100 KVA shall be installed for essential services.
11.	Parking Details	Total area provided for parking is in the tune of 24715.66sqm to provide parking for 706 PCUs.
12.	Water Supply	Water requirement during construction stage is 12kld source treated water. Operational phase BMC water supply, it is estimated ~294KLD water will be required.

The case was presented by the PP wherein it was informed by him that there is some revision in the project area for which he has submitted revised form-1 to SEIAA. During deliberation committee asked PP to submit revised project details in fresh Form-1, Form-1A and also revised conceptual plan as per revised project area for further consideration of the project.

8. <u>Case No. - 2341/2014Shri SatyabrataSatpathy, Director, M/s H.P. Ore Processors Pvt. Ltd., Missal Layout, Nagbhoomi Society, Indora, Nagpur (M.S.)-440014 *Environment Clearance for approval of proposed Iron Ore Beneficiation Plant at Industrial Area, Village-Hargarh, Tehsil-Sihora, District-Jabalpur (M.P.) Env. Cons. – Not disclosed.* FoR- EIA Presentation.</u>

This is a project for Iron Ore Beneficiation and is covered under the provision of EIA Notification Category 2(b) hence requires prior EC from SEIAA. The EIA report submitted by the PP was forwarded to SEAC for appraisal and necessary recommendations. Project proponent and his consultant presented the salient features of the project, EIA and the proposed EMP. The presentation and the submissions made by the PP reveals following:

Project Details

S. No.	Particulars	Details
1	Name of the project	Iron Ore Beneficiation Plant M/s H. P. Ore Processor Pvt. Ltd.
2	**Location of the Project Area**	
i	Village	Notified Industrial Area Hargarh
ii	Tehsil	Sihora
iii	District	Jabalapur
iv	State	Madhya Pradesh
3	**Area Specific Details**	
i	Proposed project area	1.782 ha
Ii	Proposed Green Belt	0.588 ha
iii	Toposheet No.	64 A/3
Iv	Latitude	23° 29ô01õN
v	Longitude	80° 09ô51õE
vi	Plot No.	Plot No. 02-05

Requirements		
1.	Total Fresh Water requirement	240 KLD
2.	Total Power requirement	1200 KW
3.	Total Manpower requirement	60 Nos
4.	Total cost of the project	26 Corers
5.	Environmental Protection Cost	2.5 Crores

Details of Project Area		
➢	Nearest	NH ï 7; 7.0 km
➢	Nearest Railway Station	Sihora; 8 km
➢	Nearest Airport	60 km
➢	National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant reserves within 10 km radius	No National Parks, Sanctuaries, Biosphere Reserves, Wildlife within 10 km radius Bohra Reserved forest ï (2.0 Km) Dhanwahd RF ï 6.5 km
➢	Nearest major city	Jabalpur ï 42 km
➢	Nearest River	Hiren river (1.5 km in S direction)

Raw Material Requirements

S. No.	Name	Qty	Source
1.	Iron ore	4,80,000 TPA	Nearby Mines

Land use break up

S. No.	Particular	Area (sqm)
1	Total area available	17815
2	Area for Plant	4000
3	Water reclamation system & tail removal	6000
4	Lab & ADM block	500
5	Raw ore stock	2000
7	Beneficiation Ore stock	1000
9	Green belt & Road	4315

Air Emission control system

S. N.	Source of Air Pollution	Control equipment
1.	Crusher	Dust Collector

Water Requirement & Source

The net fresh water requirement for the beneficiation plant shall be 240 cum per day through MPAKVN.

Breakup of water requirement and usage: Activity	Proposed requirement (m^3/day)	No. of operational days in a year	Annual requirement (m^3/year)
For washing of ore	2400	300	720000
Domestic	10	300	3000

Green belt development	5	365	1825
Total	**2415**		**7204825**

Water Management

About 90% water will be recovered through water reclamation system and recycled

Break up of recycled water usage m^3/day

(a) Quantity of treated water available (90%): 2160

(b) Reuse in Industrial activity: 2160

Fresh water requirement ï 2400- 2160 = 240 m^3/day

Solid waste management

Solid waste	ton per annum	Disposal
Tailing	**1,80,000**	**Supply to Cement plant, Brick Manufacturer and balance of tailings if any will be filled in abandoned mines with permission of competent authority.**

The case was presented by the PP and their consultant wherein after presentation PP was asked to submit response on following issues:

a. Detailed plan of tailings disposal.
b. Elaborate TOR points number 09,10,12,13 and 14.
c. A note on issues raised in public hearing and commitment of PP.

9. Case No. - 5022/2016 Superintending Engineer, O/o Engineer-in-Chief, Water Resources Department, Jal SansadhanBhawan, Tulsi Nagar, Bhopal (M.P.)*Prior Environment Clearance for Dindori Irrigation Project in CCA of 9922 ha., at Village-Bithaldeh, Jadasurang, Tehsil-Dindori, Distt.-Dindori (M.P.)* Env. Consultant : FoR - ToR.

The proposed site is located about 90 K.m. from Dindori Latitude 22* 40' 46.70" N Longitude 81*27'13.8" E. The total percentage of irrigation of dindori district is very low that is 2.38 %. The local people of this area are also pursuing time to time for providing irrigation facilities.

To fulfill the demand of local people project is proposed. Catchment Area of the proposed dam is 283.37 Sq. Km. 75% dependable monsoon yield is 101.80 MCM. The project has been proposed for irrigation & drinking water for Karanjiya Janpad

Panchayat and Villages under command. 82 Villages comes under the command area of Karanjiya, Bajag & Dindori Block. CCA of this project 9922 Hectare.

The area under submergence is 1354.17 Hectare which affects 2 villages fully & 4 villages partially. 2 MCM water is kept for drinking purpose & 5 MCM water kept for environment releases.

Introduction of the Project/Background Information

The project is proposed for irrigation purpose only and is a Earthen Dam along with gated Right Flank spillway. The profession of the people of this area is based on agriculture, the area comes under draught prone area. The percentage of irrigation of this district is very low that is 3.28 %. To improve the percentage of irrigation, Dindori Irrigation project is proposed for development of the irrigation percentage of this area.

Employment Generation (Direct and Indirect) due to the project
Direct - 15 Lakh Man days
Indirect - 35 lakh man Days

Catchment Area of the proposed dam is 283.37 Sq. Km. 75% dependable monsoon yield is 101.80 MCM. The project has been proposed for irrigation & drinking water for Karanjiya Janpad Panchayat and Villages under command. 82 Villages comes under the command area of Karanjiya, Bajag & Dindori Block. CCA of this project 9922 Hectare. The area under submergence is 1354.17 Hectare which affects 2 villages fully & 4 villages partially. 2 MCM water is kept for drinking purpose & 5 MCM water kept for environment releases.

The case was deliberated by the committee. PP was also present during the deliberations. It was decided that the PP may carry out EIA studies as per the standard TOR issued by MoEF&CC. Any additional TOR may be issued / information sought, as necessary after detailed presentation of the project by the PP during next meeting of the committee.

10. <u>Case No. - 5023/2016 Superintending Engineer, O/o Engineer-in-Chief, Water Resources Department, Jal SansadhanBhawan, Tulsi Nagar, Bhopal (M.P.)</u>

Prior Environment Clearance for Kharmer Irrigation Project in CCA of 9959 ha., at Village-Janki-Dungariya, Tehsil-Dindori, Distt.-Dindori (M.P.) **Env. Consultant : Not disclosed. FoR–ToR**

The proposed site is located about 35 K.m. from Dindori Latitude 22* 42' 46" N Longitude 81*07'37" E The total percentage of irrigation of dindori district is very low that is 2.38 %.

Catchment Area of the proposed dam is 145 Sq.Km. that is 75% dependable monsoon yield is 46.79 MCM. The project has been proposed for irrigation & drinking water for Samnapur Janpad Panchayat and Villages under command. 44 Villages comes under the area of command Samnapur & Amarpur Blocks. CCA of this project is completed as 9959 Hectare.

To accommodate 54.632 MCM of water the area under submergence is 962.02 Hectare which affects 03 villages partially. 1.0 MCM water is kept for drinking purpose & 2.5 MCM water kept for environment releases.

Introduction of the Project/Background Information

In case of mining project, a copy of mining lease/ letter of intent should be given. The project is proposed for irrigation purpose only based on Earthen Dam along with gated central spillway. The profession of the people of this area is based on agriculture, the area comes under draught prone area . The percentage of irrigation of this district is very low that is 3.28 % . To improve the percentage of irrigation, Kharmer Irrigation project is proposed for development of the irrigation percentage of this area.

Employment Generation (Direct and Indirect) due to the project

Direct - 5 Lakh Man days
Indirect - 25 lakh man Days

Catchment Area of the proposed dam is 145 Sq.Km. that is 75% dependable monsoon yield is 46.79 MCM. The project has been proposed for irrigation & drinking water for Samnapur Janpad Panchayat and Villages under command. 44

Villages comes under the area of command Samnapur & Amarpur Blocks. CCA of this project is completed as 9959 Hectare. To accommodate 54.632 MCM of water the area under submergence is 962.02 Hectare which affects 03 villages partially. 1.0 MCM water is kept for drinking purpose & 2.5 MCM water kept for environment releases.

The case was deliberated by the committee. PP was also present during the deliberations. It was decided that the PP may carry out EIA studies as per the standard TOR issued by MoEF&CC. Any additional TOR may be issued / information sought, as necessary after detailed presentation of the project by the PP during next meeting of the committee.

11. Case No. - 4954/2016 Shri Badri Prasad Patel, Proprietor, M/s Patel Builders, 63/6/1, SiddiBhawan, Chunna Bhatti, Bhopal (M.P.)-462016 ***Prior Environment Clearance for proposed Multi Residential Colony (SidhiSanskriti) Built-up Area-29821.24 sqmt., Total Plot Area-20600 sq.mt., at Survey no.-151, Vill.- Salaiya, Teh-Huzur, Distt.-Bhopal (M.P.)*** **FoR- Building Construction. CF 272nd SEAC Meeting dt. 31/03/16.**

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

Land use The proposed project site earmarked for development of Group Housing is located at khasara no. 151 village salaiya, Nagar Pallika- Kolar, Tehsil-Huzur , Dist.- Bhopal. The proposed project site earmarked for development of Group Housing is located at khasara no. 151 village salaiya, Nagar Pallika- Kolar, Tehsil-Huzur , Dist.- Bhopal.

The proposed development has been planned in an area of 20600 SQM and the details are as follows:

Total Plot Area = 20600 sqm
Net plot area = 20306 sq m

Area for group housing = 18072.34 sqm
Area for EWS = 408.8 sqm
Club house Area = 684 sqm
Area for shops = 1509.2 sqm
Total Builtup Area =29821.24 sqm
Green Area =30% = 6180 sqm
Ground coverage =30% = 6180 sqm
Road Area = 38 % = 7828

Main Dwelling =252
EWS units = 17
Total Units =269
Total Shops =60

Ecs Parking =239

Residence population =1345
No of floors =g+6 Max Height=21 m
No. of Blocks =7 blocks main and 1 EWS Block

S.No.	Item Description	Number of inhabitants/ Population	Per Capita water Requrement (L/D)	Total water Requiremnt KLD
A.	Flushing Water	1345	45	60.52
B	Domestic Water	1345	90	121
A+B	Total Water Demand			181.52

Solid waste Generation:

Population/Area = 1345
Per capita solid waste generation (kg/day) = 0.6 807
Total solid waste generation (kg/day) =807

The details of Water Requirement:

During the Operational and Constructional phase water will be supplied through the tankers and partly from Kohlar Nagar Nigam.

S. No.	Name	Water Demand (KLD)
1	Flushing@45LPD	60.5
2	Domestic @90LPD	121
3	Horticulture	30.9
	TOTAL	212.52

The Developer will provide sewage treatment plant based on FAB & MBBR process for treatment of sewage & sullage water. The treated effluent shall be of a quality suitable for flushing & horticulture for external areas.

The case was presented by the PP and their consultant wherein after deliberations PP was asked to submit response on following issues:-

a. Distance of project site from the Kaliasot River.
b. Revised EMP with enhanced budgetary provisions.
c. Detailed plantation scheme with financial outlay.
d. Committee also proposes to carryout site visit to ascertain that there is no violation and proximity to Kaliasot River.

[R.B. Lal, Chairman] **[K.P. Nyati, Member]** **[Dr. U.R. Singh, Member]**

[Dr. Alok Mittal, Member] **[Dr. Manoj Pradhan,Member]** **[Dr. S. K. Iyer, Member]**

[Dr. Mohini Saxena, Member] **[A.A. Mishra, Secretary]**