

The 279<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 02<sup>nd</sup> July, 2016 under the Vice-chairmanship of Shri K. P. Nyati for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohini Saxena, Member
2. Dr. U. R. Singh, Member
3. Shri. A. A. Mishra, Member Secretary

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

1. **Case No. – 2093/2014 Executive Engineer-6, Bhopal Development Authority, Pragati Bhawan, Press Complex, M.P. Nagar, Zone-1, Bhopal-462011 Prior Environment Clearance for approval of proposed residential project "Misrod Upnagar" at Village-Bawadia Kalan, Tehsil-Huzur, District-Bhopal (MP) . Plot area of the project is 73.55 Ha and total built-up area proposed is 88362.74 m2. (ToR approved 172 SEAC meeting Meeting dt. 22/02/15, ToR letter issued vide letter No. 65 dt. 10/04/15) FoR – Building Construction. EIA Presentation Consultant: M/s Sawen Consultancy Services Pvt. Ltd., Lucknow.**

This is an area development project comprising Residential premises. Plot area of the project is 73.55 Ha and total built-up area proposed is 88362.74 m2. The project is covered under the provisions of EIA Notification as item no. 8(b). Hence requires prior EC before commencement 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 to mitigate environmental impacts expected from the project during construction and operational phases.

The project is development of Misrod Upnagar, Phase I township under RESIDENTIAL, COMMERCIAL & PUBLIC SEMI-PUBLIC LAND USE WITH AAPSI KARRAR.

S. No.	<u>AREA BREAK UP</u>	<u>IN HACTARES</u>	<u>%</u>
1	TOTAL PLOT AREA	73.551	100
2	Scheme approved U/S 30 of the Act	8.256	11.23
3	Area under MP Road development	4.355	5.92
4	TOTAL SCHEME AREA	60.94	
5	DEDUCTING VARUN HOUSING SOCIETY	-1.214	1.65
<b>6</b>	<b>NET SCHEME AREA</b>	<b>59.726</b>	<b>81.20%</b>

**PROJECT LAND AREA BREAK UP:**

S. No.	AREA BREAK UP	IN HACTARES	IN %
1	PLOTTABLE	33.567	56.22
2	ROADS	13.89	23.21
3	GREEN AREA	6.885	11.55
4	SERVICES	1.543	2.55
5	PARKING	0.58	0.95
6	INFORMAL SHOPPING	0.515	0.87
7	CONVENIENT SHOPPING	0.665	1.12
8	INFORMAL SECTOR	1.318	2.23
9	HAAT BAZAR	0.325	0.55
10	RECREATION & CLUB	0.447	0.76
	<b>TOTAL</b>	<b>59.726</b>	<b>100</b>

<b>Total Population</b>	:	<b>47270</b> personnel's
<b>Floating Population</b>	:	<b>9450</b> personnel's
Nos. of Dwelling units	:	3566 DWs including EWS & LIG.
<b>Total Consumption of Water</b>	:	<b>6.35</b> MLD
Total nos. of rainwater harvesting pits	:	92 Nos.
Project Duration	:	24 Months
<b>Total Sewage Generation</b>	:	<b>3.13</b> MLD
Proposed Capacity of STPø	:	1 no. x 3.5 MLD
(Sequential Batch Reactor Technology)		
Total Project Cost	:	140.0586 Crores

**PROPOSED LAN USE- PROJECT PLANNING**

S. NO.	DETAILS	RESIDENCIAL 39.946 HEC	%	COMME RCIAL 12.80 HEC	%	PSP HEC 6.98	%	TOTAL	%
1	NET SCHEME AREA	39.946	100%	12.8	100%	6.98	100%	59.726	100%
2	PLOTTABLE	22.817	57.12	6.4	49.97	4.35	62.32	-	56.22
3	ROADS	8.521	21.33	4.52	35.29	0.85	12.18	-	23.21
4	OPEN	4.804	12.03	1.31	10.24	0.771	11.05	-	11.55
5	SERVICES	0.534	1.34			1.009	14.46	-	2.55

6	PARKING	-	-	0.58	4.5	-	-	-	<b>0.95</b>
7	INFORMAL SHOPPING	0.515	1.29	-	-	-	-	-	<b>0.87</b>
8	CONVENIENT SHOPPING	0.665	1.66	-	-	-	-	-	<b>1.12</b>
9	INFORMAL SECTOR	1.318	3.30	-	-	-	-	-	<b>2.23</b>
10	HAAT BAZAR	0.325	0.81	-	-	-	-	-	<b>0.55</b>
11	RECREATION & CLUB	0.447	1.12	-	-	-	-	-	<b>0.76</b>
	<b>TOTAL</b>	<b>39.946</b>	<b>100</b>	<b>12.8</b>	<b>100</b>	<b>6.98</b>	<b>100</b>		<b>100</b>

**SOLID WASTE GENERATION**

<b>DESCRIPTION</b>	<b>POPULATION</b>	<b>Solid Waste Generation Rate</b>	<b>SOLID WASTE GENERATION (Kg/Day)</b>
Residential	25880	@0.514 Kg/ Day	13302.32
Commercial	11160	@0.25 Kg/ Day	2790
Public & Semi - Public	10230	@0.25 Kg/ Day	2557.5
Floating Population	9450	@0.15 Kg/ Day	1417.5
	<b>56720</b>		<b>20067.32 ~20 MT</b>

The case was discussed in the 172<sup>nd</sup> SEAC meeting dated 22/02/2015 wherein the salient features, EMP for construction as well as operational phase and proposed TOR were presented by the PP before the committee.

After deliberations Committee has approved the TOR with inclusion of the following points in addition to standard TOR to be addressed in the EIA / EMP:

- Executive Engineer, BDA has reported that the site is more than 2 Km away from the HFL of River Kaliyasot; an affidavit in this regard has to be furnished with EIA.
- Water requirement for the complete project with ensured source for the same to be furnished along with the supporting documents.
- Water balance in terms of consumption, waste-water generation and re-cyclable / disposable treated waste-water to detailed.
- Details of STP (s) proposed in the project.
- MSW Management including the details from generation, collection, storage and ultimate disposal of MSW.
- Exact distances of all the water bodies, fragile areas within 5 Km from the project

boundary to be detailed out.

- Land-use / land-cover in 5 Km area around the project boundaries.
- Contour map depicting Water-shed and drainage pattern of the site.

PP has submitted the EIA and case was scheduled for the EIA presentation in the 278<sup>th</sup> SEAC meeting dated 14/06/2016 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for the presentation wherein the PP and their consultant were present. During the presentation it was observed by the committee that within the project boundary three other colonies are in existence/proposed out of which two are named as Varun Housing Society and the third one is Rohit Housing Society. PP and Consultant were asked by the committee to explain the integrated impacts of these societies on this project with respect to transportation, water, sewage, parking etc which they could not explain. Committee observed that being this the case of EIA, these issues should be addressed properly with justification and their management plan and thus committee asked PP to provide integrated impacts of these projects wrt transportation, water, sewage and parking etc for further consideration of the project.

**2. Case No. – 2688/2015 Mr. L.K. Batle, Executive Engineer, M.P. Housing & Infrastructure Development Board, Div.-5, Satellite Plaza, 1st Floor, Ayodhya Bypass, Bhopal-462041 (M.P.) Prior Environment Clearance for proposed Residential Project "Ayodhya Phase-V Part-II" of M. P. Housing & Infrastructure development Board, Bhoapl, at Khasra No. – 113/1, 113/1/2, 122, 125, 130, 129, 131, 133, 134, 348/136, 324/136, Village-Narela Shankari, Tehsil-Huzur, District-Bhopal (M.P.) Total Plot Area- 36.80 Acre, Qry. 196 SEAC meeting dated 02/06/2015. ToR Approved 230 meeting dated 26/10/2015. For EIA Presentation(Building Construction). Consultant: M/s INSITU ENVIRO CARE, BHOPAL**

This is case of Residential Project "Ayodhya Phase-V Part-II". The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located Khasra No. 113/1, 113/1/2, 122, 125, 130, 129, 131, 133, 134, 348/136, 324/136, Vill.-Narela Shankari, Teh.-Huzur, District-Bhopal (M.P.) Total Plot Area- 36.80 Acre, Total Built up Area- 68478.06 Sq. mt. The project requires prior EC before commencement of any activity at site.

**Area Details:-**The proposed residential duplexes units project is planned in a land measuring 36.80 acre at Village Narela Sankari, Tehsil - Huzur & Dist.- Bhopal. (MP).

KH. NO.	RAKBA	OWNERSHIP
113/1	36.80 Acre	M P Housing Board.
113/1/2		
122		
125		
130		
129		
131		
132		
133		
348/136		
324/136		
<b>TOTAL AREA = 36.80 Acre.</b>		

Total Land Area =	148987.85 Sq.mtr. or 36.80 Acre	(100%)
Plot area =	79967.50 Sq.mtr.	(53.67%)
Road & Circulation area =	32777.327 Sq.mtr.	(22%)
Open/Green Area =	14898.785 Sq.mtr.	(10%)
14.33% of land will be developed as plots for Commercial & other propose.		

### Source of Water Supply

S. No.	Item Description	Residential
1.	<b>Domestic Water Requirement</b>	<b>367 KLD</b>
2.	<b>Flushing Water Requirement</b>	<b>99 KLD</b>
3.	<b>Landscaping &amp; other uses</b>	<b>70 KLD</b>
4.	<b>Total Water Demand</b>	<b>370 KLD</b>
5.	<b>STP Capacity</b>	<b>On 100% Load 268 KLD</b>

		<b>Proposed 320 KLD</b>
<b>6.</b>	<b>Available Treated Water through STP</b>	<b>241 KLD</b>
<b>7.</b>	<b>Used Treated Water</b>	<b>194 KLD</b>
<b>8.</b>	<b>Net Fresh Water</b>	<b>370 KLD</b>

### Water Balancing

S. No.	Item Description	Number of Persons / Seats	Water Requirement / head (litres)	Total water Requirement (litres)
<b>A</b>	<b><i>Fresh Water Requirement</i></b>			
1	Apartments/Flats & Duplex	2200	90	198000
2	EWS	0	90	0
3	Commercial Area	0	5	0
4	Maintenance Staff	0	20	0
	<b><i>Sub Total of A</i></b>			<b><i>198000</i></b>
<b>B</b>	<b><i>Flushing Water</i></b>			
1	Apartments/Flats & Duplex	2200	45	99000
2	EWS	0	45	0
3	Commercial Area	0	20	0
4	Maintenance Staff	0	25	0
	<b><i>Sub Total of B</i></b>			<b><i>99000</i></b>
<b>C</b>	<b><i>Treated Effluent Water Requirement – Misc. Uses</i></b>			
1	Landscaping			45000
2	Misc. óOther Uses			25000
	<b><i>Sub Total of C</i></b>			<b><i>70000</i></b>
	<b><i>Total water requirement (A+B+C)</i></b>			<b><i>367,000</i></b>
				<b>Or says 370 KLD</b>

**WASTE WATER TO STP**

<b>WASTE WATER TO STP</b>				
<b>S. No</b>	<b>Item Description</b>	<b>Total water Requirement (litres)</b>	<b>Percentage of water to STP @ 85 % For Domestic and @ 100% for Flushing</b>	<b>Total water Requirement (litres)</b>
<b>A</b>	<b><i>Domestic water</i></b>			
<b>1</b>	Apartments/Flats & Duplex	198000	0.85	168300
<b>2</b>	EWS	0	0.85	0
<b>3</b>	Commercial Area	0	0.85	
<b>4</b>	Maintenance Staff	0	0.85	0
	<b><i>Sub Total of A</i></b>			<b><i>168300</i></b>
<b>B</b>	<b><i>Flushing Water</i></b>			
<b>1</b>	Apartments/Flats & Duplex	99000	1	99000
<b>2</b>	EWS	0	1	0
<b>3</b>	Commercial Area	0	1	0
<b>4</b>	Maintenance Staff	0	1	0
	<b><i>Sub Total of B</i></b>			<b><i>99000</i></b>
	<b><i>Total waste water (A+B)</i></b>			<b><i>267300</i></b>
		<b>SAY CAPACITY OF STP ~</b>		<b>268 KLD</b>
			<b>Proposed</b>	<b>320 KLD</b>
<b>Approx 20% enhance capacity</b>				

The case was presented by the PP and their consultant in the 196 th. SEAC meeting dated 02/06/15 wherein it was observed that the project is part of already existing / operational project. The approval of plan from Town & Country Planning Department for complete project (i.e. existing as well as proposed) was granted in year 2003. Thus, from the above it appeared that this is an expansion of an existing township project. A clarification on the issue was, therefore, sought from the Commissioner Housing Board. Accordingly, the PP had submitted revised application mentioning the facts.

The case was placed for discussion in 223<sup>rd</sup> SEAC committee meeting held on 15/09/15 wherein it was informed that the PP has submitted the requisite information about the existing/ operational projects. Committee decided that since PP has submitted the reply they may be called for the presentation on any subsequent date of SEAC's meetings.

The case was presented by the PP and their consultant in the 230 SEAC meeting dated 26/10/2015 wherein after presentation and deliberation, it was decided to issue standard TOR prescribed by MoEF&CC as in a similar project of the PP at the adjacent site, the TOR was issued for conducting EIA vide 192<sup>th</sup> meeting of SEAC dated 08/05/2015 with following additional TOR:

1. Explore the possibility of treatment of sewage from built-up projects constructed prior to 2006 notification and include in the same T&CP approval.
2. Explore the measures for conservation of water even in the existing built up projects of same T&CP approval.
3. Concept and design of STP has to be finalized and presented.
4. Plantation scheme with provision of double row peripheral plantation to be furnished.

PP has submitted the EIA and case was scheduled for the EIA presentation. The case was presented by the PP and their consultant in the 275<sup>th</sup> SEAC meeting dated 12/05/2016 wherein Committee observed that there are many inconsistencies/mismatch in the report. Even some of the TORs have not been addressed in the report. For example, some of the discrepancies in the report are as follows:

1. At page 9 it is mentioned that Land Detail in a format are provided on Page No. 14 but there is no such table is on page 14.
2. At page 8 it is mentioned that necessary clearance from the competent authority for drawl of requisite quantity of water for project is attached at Annex 6V but it not necessary clearance but contour Map on Annex 5.
3. At section 2.1.2 of page26 it is mentioned that T & CP approved drawing of project is attached as Annexure III, but no such drawing is available in Annexure III.
4. In compliance of TOR point Arrangements proposed / made to protect the water bodies are reported to be provided in Chapter no.2 at page no. 50-51 but in the EIA report on this page Historical data on climate condition is provided.
5. Backup calculations of water demand of 367 KLD is not provided in the EIA report.

The PP is therefore requested to properly address the relevant TORs and provide necessary information as required, make necessary corrections in the EIA report and submit it for further considerations. It was also suggested by the committee that PP should explore the possibility of providing solar water heating systems in all the duplex.

As above, PP has submitted the EIA report and case was scheduled for the presentation in the 278<sup>th</sup> SEAC meeting dated 14/06/2016 wherein PP vide letter no. 1173 dated 14/06/2016 requested that they need 05 days time for submission of revised EIA incorporating all suggestions given by the committee in the earlier meeting. The Committee accepted the request and decided to schedule the case in the next meeting.

The PP has submitted the reply of queries and revised EIA report vide letter no. 1091 dated



21/06/2016. The case was scheduled for the presentation wherein the PP and their consultant were present. The submissions made by the PP were found satisfactory and acceptable and hence the committee decided to recommend the case for grant of prior EC subject to the following special conditions:

1. Fresh water requirement for the project shall not exceed 370 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 300 no of trees will be planned 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. STP other than equalization tanks and treated waste water storage tanks should be constructed above the ground. No treated sewage is allowed to discharge outside of the premises.
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. Explore the possibility of using solar water heating systems.
13. 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.
14. PP will obtain other necessary clearances/NOC from concerned authorities.
15. PP should explore the possibility of providing rain water harvesting systems in part- B and part- C of the neighboring projects as well.
16. The commitments / plans submitted by PP vide their letter no 1091dated 21/06/2016 should be complied with.

**3. Case No. - 3324/2015 Shri Ajay Kumar Tiwari, E.E MPH & IDB Dn No.4, Satellite Plaza, 1st floor, Avodhya Nagar, Bhopal M.P.-462041. Prior E.C for Proposed Group Housing Scheme at Khasra No. -57, 58, 59, 60, 69, 70 ,Vill.- Khajuri Kalan, Bhopal, (M..P.) Total Plot Area - 105622.13sq.m. Build up Area - 228098.4 – Area development project- for**

**prescribing of TOR.(ToR issued 210 SEAC Meeting dt. 25/07/15 vide letter no. 1405 dt. 09/09/15) For-Building Construction. Consultant: M/s GREENCINDIA CONSULTING PRIVATE LIMITED, GHAZIABAD.**

**PROJECT OVERVIEW**

<b><u>Project Name</u></b>	<b><u>Group Housing Scheme, Khajuri Kalan , Bhopal</u></b>							
<b><u>Population (no.)</u></b>	<u>6,630</u>							
<b><u>Land Requirement (in m<sup>2</sup>)</u></b>	<b><u>Plot Area</u></b>	<b><u>Ground Coverage</u></b>	<b><u>Green Area</u></b>	<b><u>Sub Station</u></b>	<b><u>Road</u></b>	<b><u>Parking</u></b>	<b><u>Incidental Open Space</u></b>	<b><u>Area under Nala and DP road</u></b>
	<u>1,05,622.13</u>	<u>25,472.82</u>	<u>11,827.02</u>	<u>946.82</u>	<u>18,730.9</u>	<u>8,559.5</u>	<u>33,322.70</u>	<u>6,762.35</u>
<b><u>Built-up Area (in m<sup>2</sup>)</u></b>	<b><u>FAR</u></b>		<b><u>Non-FAR</u></b>				<b><u>Total</u></b>	
	<u>1,33,410.0</u>		<u>94,688.4</u>				<u>2,28,098.4</u>	
<b><u>Total units (no.)</u></b>	<u>1,326 Dwelling units and 45 Shops</u>							
<b><u>Proposed Parking (ECS)</u></b>	<u>1,329 ECS</u>							
<b><u>Water Requirement</u></b>	<b><u>Phases</u></b>	<b><u>Fresh Water in KLD</u></b>	<b><u>Treated Water in KLD</u></b>	<b><u>Total Water in KLD</u></b>				
	<b><u>Construction</u></b>	<u>10</u>	<u>379</u>	<u>389</u>				
	<b><u>Operation</u></b>	<u>468.7</u>	<u>533.9</u>	<u>1,002.6</u>				
<b><u>STP</u></b>	<u>960 KLD based on FAB Technology (1x310 KLD + 1x150KLD + 1x375 KLD)</u>							
<b><u>Solid Waste Generation</u></b>	<u>4,782 kg/day</u>							
<b><u>Power Requirement</u></b>	<u>250 kVA (construction phase); 10,566 kVA (operational phase), M.P State Electricity Board</u>							
<b><u>Emergency Power Back-up</u></b>	<u>Through DG sets (3*2000 kVA + 4*1000 kVA)</u>							

**AREA STATEMENT**

<b><u>FAR Details</u></b>		
<b><u>Description</u></b>		<b><u>Area (m<sup>2</sup>)</u></b>
Permissible FAR	1.31	1,38,610.3
Proposed FAR	1.26	1,33,410.0
Residential		1,27,197.5
Convenient Shopping		1,705.9
Club House		1,401.6
Amenities (Nursing Home)		3,105.0
Non FAR		94,688.4
Service Areas		22,717.5
Basement Area		37,827.5
Stilt Area		16,715.6
LMR, OHT and Dome		5,280.0
Balcony Area		12,147.8
Total Built-up Area		2,28,098.4

<b><u>S.no</u></b>	<b><u>Description</u></b>	<b><u>% age</u></b>	<b><u>Area (m<sup>2</sup>)</u></b>
	Total Plot Area	100	1,05,622.10
	Permissible Ground Coverage	30.0	31,687.00
	Proposed Ground Coverage	24.1	25,472.82
1	<i>Residential High Rise</i>	-	<i>14,143.00</i>
	<i>Residential Row House</i>	-	<i>4,468.50</i>
	<i>Convenient Shopping</i>	-	<i>4,278.45</i>
	<i>Club House</i>	-	<i>1,837.67</i>
	<i>Amenities (Nursing Home)</i>	-	<i>745.20</i>
	2	Landscape Area	11.2
3	Road Area	17.7	18,730.90
4	Open Parking Residential	5.9	6,208.36
5	Open Parking Commercial	2.2	2,351.16
6	Sub-Station	0.9	946.82
7	Nallah	1.4	1,496.25
8	DP Road	5.0	5,266.10
9	Incidental Open spaces	31.5	33,322.70

**POPULATION DETAILS**

<u>Description</u>	<u>Rate</u>	<u>Unit</u>	<u>Values</u>	<u>Population</u>
Residential High Rise	@ 5pph	No	1,276	6,380
Row Houses	@ 5pph	No	50	250
Commercial	1person/10 m <sup>2</sup>	m <sup>2</sup>	1,705.9	171
Visitors	10 % of Total Population	No	6,630	663
Service Staff	1person/1000 m <sup>2</sup>	m <sup>2</sup>	2,28,098	228
<b><u>Total Population</u></b>				<b><u>7,692</u></b>

The case was scheduled for the presentation of EIA wherein the PP and their consultant were present. During the presentation it was observed by the committee that fresh water demand for this project will be 470 KLD. After the presentation, PP was asked to submit details on following for further consideration of the project:

1. Details of 152 KLD of water mentioned as miscellaneous and revised water balance should be submitted incorporating the demand for fresh water swimming pool.
2. Complete dimensions of proposed FAB based STPø including the capacities of holding tanks for equalization and treated waste water along with details of FAB reactors proposed in three individual STPø.
3. Measures proposed to reduce water consumption in the project.
4. A nursing home is also proposed in the project thus PP should provide the estimated volume of Bio-medical waste generated from this unit and its management plan.
5. A nallah is bisecting the project thus PP was asked to provide protection measures proposed for this nallah and details of inter block assessability over the nallah.
6. Specific mitigative measures proposed to reduce incremental PM2.5 and PM 10 for this project.
7. Revised parking plan with sector wise details.
8. Plantation layout on the map for proposed 450 trees with details of rational of choosing their specific species number.

4. 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, The & 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 Ltd.Board.	: “The Olympia” of M/s Blue Lotus Realtors Pvt.
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	: 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 blocks	: 13 blocks (Res. 8, school 1, club house 1, community hall 1, commercial 1, duplex block 1,)
Total no. of units convenient shop 10,club house 1	: Residential 1424, studios 273, duplex 14, EWS 117,
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 Commercial.	: 5514 KVA for Residential & 1288.26 KVA for
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 through</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 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.

5. **Case No. - 5201/2016 Mr. Shabbir Hussain, M/s SM Creators, CAT Road, Near Ishwar Premchand School, Bijalpur, Indore (M.P.) - 452002 Prior Environment Clearance for "Crystal Spring" Bijalpur, Cat road District, at Survey No. – 18/4, 19/4/2, 22/12, 22/3, 22/11, 22/8, 22/9, 22/6, 22/7, 22/4, 20/13-2 & 16/4, Vill. Bijalpur, Tehsil- Indore, Distt. – Indore (M.P.). Total Plot Area - 48, 201.00 sq.mt., For – Building Construction.**

**PROJECT PROPOSED FUTURE DEVELOPMENT**

<u>Particular</u>	<u>Plot</u>	<u>Net Area</u>	<u>Built up area FSI</u>	<u>Construction Built up</u>	<u>Landscape</u>	<u>Ground Coverage 30%</u>
m <sup>2</sup>	48,201.00	44,321.00	85,321.75	1,34,672.00	14,625.93	13,296.30

Wing	Configuration	No. of Flats
A	Ground Shopping + Podium + 7 Upper Floors	Office Building
B	Ground Stilt + Podium + 10 Upper Floors	80
C	Ground Stilt + Podium + 10 Upper Floors	80
D	Ground Shopping + Podium + 7 Upper Floors	Office Building
E	Ground Stilt + Podium + 10 Upper Floors	90
F	Ground Stilt + Podium + 10 Upper Floors	90

G	Ground Stilt + Podium + 10 Upper Floors	90
H	Ground Stilt + Podium + 10 Upper Floors	90
J	Ground Stilt + Podium + 10 Upper Floors	90
K	Ground Stilt + Podium + 10 Upper Floors	90
EWS/LIG - 1	Ground Stilt + 10 Upper Floors	120
EWS/LIG - 2	Ground Stilt + 10 Upper Floors	80
Club house	Gr shopping + 3	
Total no. of Flats		700 + 200 : 900 Nos.

Sr. No.	Details	Area (m <sup>2</sup> )
I	Total Land Area	52,590.00
II	Area Not Considered for EC (Under Road Widening)	4,389.00
A	Total Plot Area for EC	48,201.00
B	Deductions for Area Under Road Widening	3,880.00
C	Net Plot Area (A-B)	44,321.00
D	Amenity Space (15% of C)	6,648.15
E	Open Space (10% of C)	4,432.10
F	Balance Area of Plot {C-(D+E)}	33,240.75
G	Permissible FSI [CX1.75+ (BX2)]	85,321.75
H	Proposed Built up Area	85,321.75

The case was scheduled for the presentation wherein the PP and their consultant were present. During the presentation it was observed by the committee that fresh water demand for this project will be 469 KLD. PP has proposed 706 tree species plants for which committee suggested that exceptional peripheral plantation should be carried out by PP as



proposed and similarly LED lights should be provided in common area through solar energy. After the presentation, PP was asked to submit details on following:

1. Revised project layout wherein road connectivity should be clearly marked.
  2. Only two FAB tanks are provided, thus PP should justify how waste water will be treated if one FAB tank is in maintenance.
  3. Top soil management plan.
  4. PP has proposed 706 tree species plants for which plantation scheme marked on layout map be submitted.
  5. Revised EMP with corpus fund calculation be provided.
6. **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 (Sidhi Sanskriti) 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.**

The project is a construction project falls under Category 8(a) of Building and Construction Project (As per EIA notification dated 14<sup>th</sup> September 2006 and amended to the date) and requires 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 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  
 Residents population=1345  
 No of floors =g+6 Max Height=21 m  
 No. of Blocks =7 main blocks and 1 EWS Block

S.No.	Item Description	Number of inhabitants/ Population	Per Capita water requirement (L/D)	Total water Requirement 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/greenbelt.

The case was presented by the PP and their consultant in the 273<sup>rd</sup> SEAC meeting dated 01/04/2015 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.

Committee also proposes to carryout site visit to ascertain that there is no violation and proximity to Kaliasot River.

PP has submitted the reply of above issues raised during the 273<sup>rd</sup> SEAC meeting dated 01/04/2015 vides letter no.719 dated 27/04/2016 which was placed before the committee. The reply submitted by the PP was placed before the committee wherein committee decided to carryout site visit to ascertain that there is no violation as decided in the 273<sup>rd</sup> SEAC meeting dated 01/04/2016.

As decided, Shri K. P. Nyati, Member SEAC and Dr. Alok Mittal, Member SEAC visited the site on 09/06/2016. During inspection, Dr. Abhaya k. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal was also present along with the PP Mr. Badri Prasad and their consultant.

#### **Major Observations during the Site Visit:**

It was informed by the representative of PP present at the site during the site visit that the total land area of the project is 20,600 Sq.m. and the proposed built up area of the project is 29821.24 Sq.m.

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. No development or construction activities were observed during the site visit and thus PP has not violated the EIA Notification, 2006.

The site is appears to be >250 meters away from the Kaliasot River. The proposed site is a barren land and no trees exist within the project boundary except a couple of trees on the road side boundary of the project site.

The above report of the sub-committee was placed before the committee in the 278<sup>th</sup> SEAC meeting dated 14/06/2016 wherein after deliberations committee endorsed the inspection report and decided that the PP may be called for the query reply presentation in the subsequent meeting of SEAC.

The case was presented by the PP and their consultant for the query replies raised in the 273<sup>rd</sup> SEAC meeting dated 01/04/2015. During query reply presentation it was observed by the committee that a canal is passing near the project boundary and thus PP was asked to submit exact distance of canal from the project boundary and safety area left by the PP between canal and project boundary. PP was also advised by the committee that in the safe area left between canal and project boundary thick green belt should be developed by the PP for

which a plan on map should also be submitted by the PP. PP was also asked to revise and enhance the provisions made for the effective O&M of STP.

7. **Case No. - 4271/2015 Shri Vivek Chauhan, Partner, M/s Virasha Infrastructure, 25-6, WALMI Road, Chuna Bhatti, Bhopal-462016 Prior Environment Clearance for proposed Residential Project "Virasha Heights" at Khasra No.-401/4/1(kha), 401/4/2(kha), 401/2, 401/3, 401/4/3(gh), 401/4/3(ga), 401/4(ka), 401/4/3(kha), 400/2, 401/1, & 400/1, Village-Banjari, Tehsil-Huzur, District-Bhopal (MP) Total Plot Area- 29914.72 sqm, Built up Area -44591.3 sqm. CF SEAC Meeting 270 dt. 01/03/16, & Site Visit dt. 09/06/16. FoR-Building Construction.**

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

#### Site Specific details

Particulars	Details
Location	Khasra No. 401/4/1(kha), 401/4/2(kha), 401/2, 401/3, 401/4/3(gh), 401/4/3(ga), 401/4(ka), 401/4/3(kha), 400/2, 401/1 & 400/1 at Village- Banjari, Tehsil-Huzur, District-Bhopal, Madhya Pradesh, India.
Type of Project	Building and large construction project
Category	B, Type- 8(a)
Elevation (m)	467 m above mean sea level
Latitude and Longitude	(mentioned in Fig 4)
Current status of land	Residential as per Bhopal Master Plan, 2005
Type of facilities	Housing with basic amenities
Nearest Highway	Bhopal Bypass Road (NH-12) : 8.5km (E)
Nearest railway station	Habibganj Railway Station: 5.5 km (N) Misrod Railway Station: 2.5 km (S) Bhopal Junction Railway Station: 11 km (N)
Nearest airport	Raja Bhoj International Airport: 16 km (NW))
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres,	Van Vihar National Park: 10 km(NW)

National parks, Wildlife sanctuaries, community reserves and conservation reserves)	
Rivers/Lakes	Upper Lake: 11 KM (NW) Kaliasot Dam : 3.50 Km (NW) Shahpura Lake: 3.50 km (N) Kaliyasot River front: 33 m (NE) Kerwa Dam : 6.5 Km (W)
Seismic zone	Seismic Zone-II as per BIS 2002 map.
Defense installations	Cantt Area (Bairagarh): 17 km (NW)

### Area Statement

S. No	Items	Details
1.	<b>Type of Building</b>	Residential
2.	<b>Total plot area</b>	29914.72 m <sup>2</sup>
3.	<b>Net plot area</b>	29914.72 m <sup>2</sup>
4.	<b>Ground Coverage Details</b>	<b>Permissible</b> Multiunit @40% Plotted @60% <b>Proposed =11850.1 m<sup>2</sup></b>
5.	<b>Permissible FAR</b>	Permissible FAR @1.25 = 37393.4 sqm <b>Proposed FAR Total ó 37393.4 m<sup>2</sup></b>
6.	<b>Non- FAR details</b>	Stilt = 6524.80 m <sup>2</sup> Informal Sector = 673.1 m <sup>2</sup>
7.	<b>Total Built-up area</b>	<b>37393.4 m<sup>2</sup></b> (As per MPVPR) <b>44591.3 m<sup>2</sup></b> including Non-FAR (MoEF)
8.	<b>Open/ Park Area(Landscape)</b>	<b>3239.76 m<sup>2</sup> (10.83% of net plot area)</b>
9.	<b>Road and internal circulation space/ Paved area</b>	<b>12059 m<sup>2</sup> (40.31%)</b>
10.	<b>No. of Trees</b>	Total no. of trees required: 1 Tree/ 100 m <sup>2</sup> of Open Area = (Total Planning Area-Ground Coverage)/100 = 18064.6/100=181 Trees <b>Proposed : 185 Trees</b>
11.	<b>No of units to be developed</b>	<b>No. of multi units: 384</b> <b>Duplex : 24</b> <b>EWS : 33</b>
12.	<b>No of multi dwelling units</b>	<b>8 Towers</b>
13.	<b>Height of Building</b>	<b>21 m</b>

14.	<b>Area Utilization</b>	<b>(S+6)</b>
15.	<b>Estimated Population (fixed + floating)</b>	Multiunit:1920 (@ 5 person per unit) Duplex : 120 (@ 5 person per unit) EWS : 165 (@ 5 person per unit) Floating: 221 (10% of total population) Staff: 110 (5% of total population)
16.	Parking facilities	<b>Required</b> Parking as per T&CP=250 Vehicle spaces Visitors Parking @10% = 25 Vehicle spaces <b>Total = 275 Vehicle spaces</b> <b>Provided:</b> <b>Stilt Parking = 217 Vehicle Space</b> <b>Open Parking = 60 Vehicle Space</b> <b>Total Provided Parking = 277 Vehicle Space</b>
17.	Power requirement &source	1896 kVA Source : MPMKVVCL, Bhopal
18.	Power Backup	1 DG sets of 165 kVA for common services
19.	Water Requirement and Source	Fresh water: 148 KLD Recycled treated water: 70 KLD Total water: 218 KLD Source: Municipal water supply
20.	Sewage Treatment and Disposal	Amount of waste water generated : 178 KLD STP Capacity: 210 KLD (~20% higher capacity) Technology : MBBR
21.	Solid Waste Generated	Domestic waste : 1554 kg/day Horticultural waste : 29 kg/day E- waste : <1kg/day

### Population Details

Particulars	Population
Residential Population	2040
Staff	110
Visitors	221
EWS/LIG	165

**Water Balance during Operation Phase**

S. No.	Description	unit/Area (in m <sup>2</sup> )	Total Occupancy	Rate of water demand (lpcd)	Total Fresh Water (KLD)	Total Flushing/Recycle d water (KLD)	Total Water Requirement (KLD)
1	Residential	408 Units	2040	Fresh Water @ 65 LPCD Flushing Water @ 21 LPCD	132.6	42.8	175.4
2	Informal Sector	33 units	165	Fresh Water @ 65 LPCD Flushing Water @ 21 LPCD	10.7	3.5	14.2
3	Staff	5% of total population	110	Fresh Water @ 30 LPCD Flushing Water @ 15 LPCD	3.3	1.7	5.0
4	Visitors	10% of total population	221	Fresh Water @ 5 LPCD Flushing Water @ 10 LPCD	1.1	2.2	3.3
<b>Total Domestic water</b>					<b>148</b>	<b>50</b>	<b>198</b>
6	Horticulture and Landscape	3239.76 sqm		5 l/sqm	--	16	16
7	Vehicle, Road washing and other low end uses				--	3	3
8	Cooling water for DG sets (For 4 hours/day runtime )	165 KVA		0.91/KVA/Hr	--	0.6	0.6
<b>Total Water Requirement</b>					<b>148</b>	<b>70</b>	<b>218</b>
					<b>Grand Total = 218 KLD</b>		

**Parking Details**

<b>REQUIRED PARKING</b>	
Required Parking as per T&CP	250 Vehicle spaces
Visitors parking @10%	25 Vehicle spaces
<b>Total Parking Required</b>	<b>275 Vehicle spaces</b>
<b>PROPOSED PARKING</b>	
Stilt Parking	217 Vehicle Space
Open Parking	60 Vehicle Space
<b>Total Parking Provided</b>	<b>277 ECS</b>

### Solid waste Generation

Facilities Provided	Waste generation norms per unit	Basis of Assumption	Unit	Total Waste Generated (Kg/day)
Residential	0.30-0.6 kg/cap/day (i.e. 0.50 kg/cap/day taken)	Source: Manual for municipal solid waste management	2040 persons	1020
EWS	0.30-0.6 kg/cap/day (i.e. 0.50 kg/cap/day taken)	Source: Manual for municipal solid waste management	165 persons	82.5
Visitors	0.15 kg/cap/day	Source: Manual for municipal solid waste management	221 persons	33.2
Staff	0.15 kg/cap/day	Source: Manual for municipal solid waste management	110 Persons	16.5
Garden & open space	15 kg/Acre/day or 0.0037 kg/sq m/day	Discussion with Horticulturists	7796.7 sqm	28.8
Street Sweepings	0.05 to 0.2 kg/cap/day* Assume 0.15 kg/cap/day	Source: Manual for municipal solid waste management	2205 persons	330.8
Sludge	400 kg per MLD	Tifac	0.178	71.2
Waste Oil		Assuming one maintenance per year		Negligible
<b>Total Waste Generated (MT/day)</b>				<b>1583</b>

Case was presented by PP and their consultant in the 270<sup>th</sup> SEAC meeting dated 01/03/2016 wherein during presentation and deliberations, it was observed 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 provided by the PP. The clearance from NBWL is therefore requested. Committee after deliberations decided that PP should be asked to apply online for NBWL clearance and a copy of the application should be submitted to SEAC for further appraisal of the project along with the present legal status of case pending in NGT.

PP has submitted a resolution dated 16/10/2015 that approx. 65% of the project has been completed prior to the submission of application for EC. Thus committee also decided to carryout site visit as per the policy decision of 204<sup>th</sup> SEIAA meeting dated 30/05/2015 for violation cases. SEIAA has forwarded the case with documents pertaining to credible action initiated against the PP for violation and credible action has been initiated against the PP as per MPPCB letter no. 4913 dated 01/09/2015.

As decided, Shri K. P. Nyati, Member SEAC and Dr. Alok Mittal, Member SEAC visited the site on 09/06/2016. During inspection, Dr. Abhaya k. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal was also present along with the PP Mr. Vivek Chauhan and their consultant.



**Major Observations during the Site Visit:**

- It was informed by the representative of PP present at the site during the site visit of the team that the total land area of the project is 29,914.72 Sq.m. and the proposed built up area of the project is 44,591.5 Sq.m.
- The Project consists of multi story housing and Duplexes with all the basic amenities. The construction work for the project is already initiated and approximately 65% civil work has already been completed. As informed by the PP, 16 blocks are proposed out of which 08 are completed, 04 are incomplete (structure completed) and 04 blocks are yet to be constructed. Possession has been given in some for some of the flats. No construction activities were observed during site visit.
- Only one Entry/exit is exists at this point in time for the project. Main entry /exits are through 12 m wide road and internal circulation roads are of 12 m, 7.5 m and 6 m width. Some internal roads have already been constructed. Peripheral plantation is present along the project boundary with approx. 100 plants.
- As per the information provided PP, drainage pattern of the project is east of the project site towards the back side of the project. STP was found operational at the time of inspection.
- For conflict free traffic and fire tender movement, arterial roads of 12 m, 7.5 m and 6 m are provided / proposed in the project. Circular roadway has been provided along the periphery of the project for movement of fire tenders. As per details provided by PP, Fire fighting equipments, such as wet risers and hose reels are proposed at site. Dedicated fire storage tanks of 25,000 liters capacity have been provided on the rooftop of the multistory buildings.
- As per the information provided by the PP during the site visit, water supply for residents will be ensured @ 86 lpcd. The water requirement for the residents will be sourced through the municipal supply. For treatment and recycling of treated water on site STP of capacity 270 KLD is installed and was found operational. STP tanks are installed below ground level and the machine room and pumps are installed on ground. Dual plumbing system has been provided for recycling of treated waste water.
- Area for a 48 hours MSW collection & storage space has already been demarcated near the EWS area.
- As per the information provided by PP, 03 Nos. of Rain Water Harvesting structures

are proposed for the harvesting of roof top runoff water out of which 02 have been constructed. PP instructed to make arrangements for the flushing of first rain water to ensure that only clean water enters the recharge system.

- As details provided by PP, 3239.76 Sq.m of area is dedicated for the landscaping purposes. PP has provided peripheral plantation.
- PP also ensured to install energy saving appliances such as LED, CFL lightings in common areas with solar lights.
- During site visit PP submitted the copy of online application filed for wild life clearance w.r.t Van Vihar National Park (a Notified PA) with proposal no. FP/MP/Others/611/2016.
- During site inspection it was observed that Kaliasot River is just about the project boundary on the northern side boundary near entry gate. PP has developed garden and landscape area towards this side. PP was asked to develop thick green belt so that 33 meter distance could be maintained from the river and no construction activity should be under taken in this area.

The above report of the sub-committee was placed before the committee in the 278<sup>th</sup> SEAC meeting dated 14/06/2016 wherein after deliberations committee endorsed the inspection report and decided that the PP may be called for the presentation in the subsequent meeting of SEAC.

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

1. Revised water balance should be submitted incorporating the demand for fresh water for swimming pool.
2. Parking space needs to be enhanced at least up to 384 ECS for which PP should revised parking plan.
3. It is proposed that 90 KL of surplus water will be available after completion of the project and committee suggested that this excess water should not be discharged in the Kaliasot River. Thus PP was asked to submit a plan for the disposal of this excess treated water.

**8. Case No. - 5230/2016 Engineer in Chief, Water Resources Department, Jal Sansadhan Bhawan, Tulsi Nagar, Bhopal Prior Environment Clearance for proposed SAJALI Medium Irrigation Project, Gross Command Area – 12945.0 ha., Cultivable**

**Command Area - 9950 ha., Catchment Area – 158.08 Sq km, Earth Dam Lenth – 3712 M, Left flank – 430 M, Right flank – 3282 M, Maximum height of Dam – 21.15 M ha., at Village -Pathariya, Keolari, Teh-Patharia Distt-Damoh(M.P.) FoR- ToR. ( River Valley Project)**

This is case of Medium River Valley and Hydroelectric Project. The application was forwarded by SEIAA to SEAC for appraisal of proposed SAJALI Medium Irrigation Project, Gross Command Area ó 12945.0 ha., Cultivable Command Area - 9950 ha., Catchment Area ó 158.08 Sq km, Earth Dam Lenth ó 3712 M, Left flank ó 430 M, Right flank ó 3282 M, Maximum height of Dam ó 21.15 M ha., at Village -Pathariya, Keolari, Teh-Patharia Distt-Damoh(M.P.). The project requires prior EC before commencement of any activity at site.

**Location Details**

<b><u>S.No.</u></b>	<b><u>Details</u></b>	<b><u>Sajali Medium Irrigation Project</u></b>
1	Latitude	23 <sup>0</sup> 57ø00ö N
2	Longitude	79 <sup>0</sup> 05ø48ö E
3	State	Madhya Pradesh
4	District	Damoh
5	Tehsil & Block	Pathariya
6.	River	Sajali river , tributary of Bewas river
7.	Accessibility	At a distance of 15 km from Pathariya Tehsil and 45 Km from Damoh district HQ

É Sajali medium Irrigation Project is proposed at Latitude 23<sup>0</sup> 57ø00öN and Longitude 79<sup>0</sup> 05ø48öE on River Sajali near Kodarmadhi village of Tehsil Pathariya, District Damoh.

É The Project is envisaged to have a live storage capacity of 38.234 MCM.

É Dead storage of the project is 5.644 MCM

É Total CCA of the Project is 9950 ha, benefitting 30 villages of Pathariya tehsil of Damoh District.

É Total cost of the project is Rs.366.002 Crores.

**DETAILS OF SUBMERGENCE AREA**

Forest Land	:	3.50 Ha
Private Land	:	768.90 Ha
Government Land	:	189.02 Ha

Total : 961.42 Ha

**AREA UNDER SUBMERGENCE (District wise)**

S N	Details of Sagar submergence	Damoh	Total
1	Private land	383.74	385.16
2	Government land	34.61	154.41
3	Forest land	0	3.50
	Total	418.35	543.07
			961.42

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. The committee after deliberations decided that following additional TORs along with standard TOR issued by the MoEF&CC:-

1. Details of area under submergence should be discussed in the EIA along with details of incremental benefits associated with this project.
  2. PP should indicate the status of FC clearance in EIA report.
  3. Present land use of 768.90 ha private land should be discussed in the EIA report.
  4. Detailed inventory of villages such as number of houses, villagers, trees, source of water supply, electricity etc along with their current livelihood which are falling in the submergence should be provided in the EIA report.
  5. If there is any mining activity in the area, same should be discussed in the EIA report.
  6. Cost benefit analysis including environmental factors should be given in the EIA report.
  7. Green belt plan and catchment area treatment plan be provided in the EIA report.
  8. Inventory of existing trees and their management should be provided in the EIA report.
  9. Once the dam is erected, the proposed minimum ecological flow which will be maintained by PP should be detailed out in the EIA report.
9. **Case No. - 4269/2015 Shri Jitesh Parwani, Partner, M/s Shiv Parvati Enterprises, Mezzanine Floor, City Trade Centre, 141, Malviya Nagar, Bhopal-462001 Prior Environment Clearance for proposed Residential Blocks, Convenient Shops and Plot Development at Khasra no.-16/1, 16/2, 17, 18, 21/1, 21/2, 22, Village-Bagli, Block-Phanda, Tehsil-Huzur, District-Bhopal (MP) Total Land Area – 4.50 ha., Total Land**

**Available Area – 44151.13 sqm, Total Built-up Area -34503 sqm., Case forwarded to SEIAA vide letter No.8106 dt . 24-11-15 FoR-Building Construction.**

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

The case was earlier scheduled in the 270<sup>th</sup> SEAC meeting dated 01/03/2016 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 month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was again scheduled for presentation in the 272<sup>nd</sup> SEAC meeting dated 31/03/2016 but again neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings after hearing from PP. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA for delisting.

The case was again scheduled for presentation today in the 279<sup>th</sup> SEAC meeting dated 02/07/2016 but again 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. PP also has not made any request for remaining absent from the today's presentation. The committee after deliberations decided that this case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

10. **Case No. – 3120/2015 Mr. Sanjeev Agarwal CMD Sagar Plaza, 250, zone 2 M.P Nagar Bhopal M.P. - 462016 Prior E.C for approval of proposed Construction of Group housing Project “Sagar Eden Garden” at Khasra No.-447, 449/1, 447, 449/2, 447, 449/3, 449/1/1 Vill.-Bawadiya Kalan, Teh.-Huzur, District-Bhopal (M.P.) Total Project Area-10687.51 sq.m. Total Build up Area-22850 sq.m., CF 278 SEAC Meeting dt. 14/06/16 (After Site Visit).**

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

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

### Site Specific details

Particulars	Details
Location	Construction of proposed Group Housing Project “Sagar Eden Garden” at Khasra No. 447, 449/1, 447,449/2, 447,449/3, 449/1/1 at Village- Bawadiya kalan, Tehsil- Huzur, District- Bhopal, Madhya Pradesh, India
Type of Project	Building and large construction project
Category	B, Type- 8(a)
Elevation (m)	466 m above mean sea level
Latitude and Longitude (mentioned in Fig 4)	Point 1 - 23°10'35.80"N; 77°27'45.17"E Point 2 - 23°10'34.91"N; 77°27'44.05"E Point 3 - 23°10'34.51"N ; 77°27'42.84"E Point 4 - 23°10'33.43"N; 77°27'43.69"E Point 5 - 23°10'33.96"N ; 77°27'44.71"E Point 6 - 23°10'32.64"N ; 77°27'46.39"E Point 7 - 23°10'33.84"N ; 77°27'48.87"E
Current status of land	Residential Landuse as per BDA Master Plan, 2005
Type of facilities	Housing with basic amenities
Nearest Highway	Bhojpur road (NH-12) (E) Bhopal Bypass road (E)
Nearest railway station	Misrod Railway is 1 km (SE) Habibganj Railway Station is 5 km (NE)
Nearest airport	Raja Bhoj International Airport, Bhopal ó 21 km (NW)
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	Van Vihar National Park is 10 km (NW)
Rivers/Lakes	Kaliasot River ó 2.5 Km (W), Shahpura lake ó 5.0 km (NW)
Seismic zone	Seismic Zone-II as per BIS 2002 map.
Defense installations	---

**Area Statement**

S. No	Items	Details
1.	<b>Type of Building</b>	<b>Residential</b>
2.	Total Land Area	10,687.51 sq mt
3.	Area Under 24 m wide road widening	1,389.48 sq mt
4.	Net Planning Area	9,298.03 sq mt
5	<b>Ground Coverage</b>	Permissible: 2,789.41 sq mt (30%) Proposed: 2,789 sq mt (30%)
6.	<b>FAR</b>	<b>Permissible: 15,096.23 sqm</b> (Permissible FAR for Housing = 1.25 x 9,298.03 = 11,622.53 sqm (A) Additional FAR of area under road widening (As per Rule 61 of MPBVN-2012) = 1.25 x 1,389.48 x 2 = 3,473.70 sqm (B) Total (A + B) = 15,096.23 sqm) <b>Proposed: 15,095 sqm</b>
7.	Total Basement area	<b>Total basement area – 3,787.33 sqmt</b>
8.	Total Stilt area	2,789.49 sqm
9.	Area open for services	92.90 sqm
10.	Informal sector	1,085 sqm
11.	<b>Built up area (as per MoEF )</b>	<b>22,850 sq mt</b> (15,095 sqm FAR + 2,789.49 sqm stilt area +3,787.33 sqm basement area + 1,085 sqm builtup area of informal sector +92.90 sqm service area)
12.	Total open area	6,508.53 sq mt
13.	Internal roads and Paved area	5,578.7sqm
14.	Green Area	Proposed: 929.8 sq mt (10% of plot area)
15.	No. of Trees (Required-1 Tree/100 sqm of open area)	Required: 65 Trees Proposed: 100 Trees
16.	Number of floors	S+6 floors
17.	Parking facilities	<b>Required Parking: 166 vehicle space</b> <b>Provided Parking: 203 vehicle space</b>
18.	Power requirement & source	750 kVA Source : Madhya Pradesh KshetraVidyutVitran Company Limited
19.	<b>Power Backup</b>	1 DG set of 125 kVA
20.	<b>Water Requirement and</b>	<b>Fresh Water Demand : 103 KLD</b>

	<b>Source</b>	<b>Recycled Water: 72 KLD</b> <b>Total Water Demand : 175 KLD</b> <b>Source: Municipal supply</b>
<b>21.</b>	<b>Total Dwelling Units</b>	Residential: 192 LIG/EWS ó 33
<b>22.</b>	<b>Estimated Population (fixed + floating)</b>	Residential ó 960 (@5 person per unit) LIG- 165(@5 person per unit) Visitors ó 110 Staff-55
<b>23.</b>	<b>Height of the Building</b>	Basement + Stilt + 6 floors (21m approx)

This is a residential project comprising building construction for with Total Project Area-10687.51 sq.m. and Total Build up Area-22850 sq.m. The project is proposed Khasra No. ó 447, 449/1, 447, 449/2, 447, 449/3, 449/1/1 Vill.-Bawadiya Kalan, Teh.-Huzur, District-Bhopal (M.P.) By virtue of type and size of project it falls under Category B-2, 8(a) in the EIA Notification hence requires prior EC from SEIAA.

The case was discussed in the 269<sup>th</sup> SEAC meeting dated 29/02/2016 wherein it was recorded that a submission/violation resolution from PP has been received stating that construction activities have already been initiated at site. Thus it is a clear case of violation. SEIAA has forwarded the case with documents pertaining to credible action initiated against the PP for violation. It was decided to visit the site before appraisal of the case, as the same has been directed by SEIAA for violation cases as per their policy decision in 204<sup>th</sup> meeting dated 30/05/2015.

As decided, Shri K. P. Nyati, Member SEAC and Dr. Mohini Saxena, Member SEAC visited the site on 10/06/2016. During inspection, Dr. Abhaya k. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal was also present along with the PP Mr. Neeraj kamboj and their consultant.

**Major Observations during the Site Visit:**

- It was informed by the representative of PP present at the site during the site visit of the team that the total land area of the project is 10,687.5 and the proposed built up area of the project is 22,850 Sq.m.
- The Project consists of multi story group housing with all the basic amenities. The construction work for the project is already initiated and approximately 95% civil work has already been completed. No possession has been given in any of the flats. No construction activates were observed during site visit.
- Two entry/exit are proposed present in the project site however, at present one entry/exit is provided. Main entry exits are through 24 m wide road and internal



circulation roads are of 12 m, 7.5 m and 6 m wide. All internal roads have been constructed.

- As per the information provided PP, drainage pattern of the project is south east of the project site which is towards the back side of the project where STP is provided by the PP.
- For conflict free traffic and fire tender movement, arterial roads of 12 m, 6 m and 6 m are provided / proposed in the project. Circular roadway has been provided along the periphery of the project for movement of fire tenders. As per details provided by PP, Fire fighting equipments, such as wet risers and hose reels are proposed at site. Dedicated fire storage tanks of suitable capacity will be provided on the rooftop of the multistory buildings.
- As per the information provided by the PP during the site visit, water supply for residents will be ensured @ 135 lpcd. The water requirement for the residents will be sourced through the municipal supply for which necessary permission has been obtained by the PP. For treatment and recycling of treated water on site STP of capacity 180 KLD is proposed and it was observed that the underground tanks has been constructed and some machineries are also installed by the PP. Dual plumbing system has been provided for recycling of treated waste water in one of the constructed blocks and the same is proposed in the remaining blocks as informed by the PP.
- Area for construction of a 48 hours MSW collection space has already been demarcated near the STP area.
- As per the information provided by PP, 05 Nos. of Rain Water Harvesting structures are proposed for the harvesting of roof top runoff water. PP instructed to make arrangements for the flushing of first rain water to ensure that only clean water enters the recharge system.
- As details provided by PP 929.80 Sq.m of area is dedicated for the landscaping purposes. PP has provided peripheral plantation.
- PP was also instructed to install energy saving appliances such as LED, CFL lightings in common areas with solar lights.

The above report of the sub-committee was placed before the committee in the 278<sup>th</sup> SEAC meeting dated 14/06/2016 wherein after deliberations committee endorsed the inspection report and decided that the PP may be called for presentation for appraisal by the committee in the up-coming meetings of SEAC.

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

**11. Case No. – 2643/2015 Mr. Arun Agrawal, B-62, Paraspar Colony, Chuna Bhatti, Bhopal-462017 (M.P.) Prior Environment Clearance for proposed Residential Group Housing Project "Padam Heights" at Vill.-Raslakhedi, Teh.-Huzur, District-Bhopal (MP) 3450 dtd. 30-03-2015 CF 255 SEAC Meeting dt. 02/01/16 FoR- Qry Reply Presentation.**

This is a for proposed Residential Group Housing Project "Padam Heights" at Village-Raslakhedi, Tehsil-Huzur, District-Bhopal (MP). The case was presented in 217<sup>th</sup>. SEAC meeting dated 23/08/15 where in it was observed that the project site is approx. 8.5 Km from the Van Vihar National Park (a Notified PA) Clearance from NBWL is therefore needed. A copy of the application made to the competent authority has to be submitted by the PP to SEAC for considering the case. It was decided to defer the case till receipt of the same. The PP has submitted the copy of application made for wild life clearance to the competent authority.

The project pertains to proposed Residential Group Housing Project "Padam Heights" at Village-Raslakhedi, Tehsil-Huzur, District-Bhopal (MP) under Category B-2, item 8 (a) of the schedule of the EIA Notification hence requires prior EC from SEIAA. Application for grant of EC was forwarded by SEIAA to SEAC for appraisal.

The case was discussed in 226<sup>th</sup> SEAC meeting dated 18/09/2015 wherein after deliberation and presentation PP was asked to submit following information for appraisal:-

1. Copy of Joint Venture / Agreement made between the land owner and developer be submitted.
2. Revised water balance be submitted w.r.t. to reuse and recycled water details.
3. Commitment of PP for installation of Filter press machine for dewatering of sludge.
4. Commitment of PP for disposal of MSW and ETP sludge in MSW trenching ground.
5. MSW quantification be reassessed and submitted.
6. MSW storage area for 48 hours be marked on layout map and re submitted.
7. Provisions made for car parking needs enhancement. PP should submit revised car parking plan.
8. Green belt development plan along with detailed plantation scheme be re submitted clearly stating area reserved for green belt.
9. Area kept for EWS, STP and MSW storage duly marked on layout map should be re submitted.

10. It was also observed that documents sent to members are lacking many essential annexure such as Annexure No. 01,05,11,13 & 16. PP & the consultant advised to take a note of this and in future complete set of documents should be provided to the members.

PP has submitted the response to the above queries vide letter dated 20/10/15 which was placed before the committee in the 255<sup>th</sup> SEAC meeting dated 02/01/2016. After deliberations committee decided that PP may be called for the query reply presentation upcoming meetings of SEAC.

The case was scheduled for the presentation today but 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 giving last chance. A request has to be made by the PP for scheduling the case in coming meetings within a month's time after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

#### **DISCUSSION ON FILES RECEIVED FROM SEIAA**

12. **Case No. - 2036/14 Shri Vivek Chugh, Director, 503, Chugh Realty, Scheme No. 54, Orbit Mall, Vijay Nagar, A.B. Road, Indore (MP)-452010 Environmental Clearance for approval of proposed residential project "Grande Exotica" Village-Bicholi Mardana, Tehsil & District-Indore (MP) For-Building Construction.**

This is a building construction project for Environmental Clearance for approval of proposed residential project "Grande Exotica" Village-Bicholi Mardana, Tehsil & District-Indore (MP).

Earlier the project was scheduled for presentation in the 188<sup>th</sup> SEAC meeting dated 02/05/2015 wherein it was recorded 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 accord a chance to PP for presentation and submission in coming meetings as per turn"*.

The case was again placed in the agenda for the presentation in 269<sup>th</sup> SEAC meeting dated 20/02/106 wherein PP again remain absent. The committee observed the case is pending since last 10 months and two opportunities have been given to the PP for presentation but the PP remain absent. Thus committee after deliberations decided that the case may be recommended for delisting as it appears that PP is not interested to take-up the project.

SEIAA vide letter no. 1650/SEIAA/16 dated 25/05/2016 has sent back the file to SEAC

stating that “PP vide letter dated 03/05/2016 received in SEIAA on 05/05/2016 has requested to continue with the project and has given reason for not attending the SEAC meeting. Before relisting the case, the file may be sent to SEAC for their comments”, which was placed before the committee.

The committee observed that this case was placed in the three meetings of SEAC for presentation (167<sup>th</sup> dated 10/01/2015, 188<sup>th</sup> dated 02/05/2015 and 269<sup>th</sup> dated 29/02/2016) wherein PP remains absent. However, PP has submitted that they were not aware of 188<sup>th</sup> SEAC meeting dated 02/05/2015 but the case was delisted in 269<sup>th</sup> SEAC meeting dated 29/02/2016 for which PP is silent. The committee after deliberations decided that since PP has failed to attend the meetings this case may be considered as fresh as *ōde-novoō* as per MoEF&CC letter no. F.No. 13011/92/2014-IA. I(Part) dated 02/12/2014.

Committee further observed that PP has himself in undertaking and vide letter no dated 03/05/2016 had they have initiated the construction work for the said project, thus the issue of credible action as per MoEF&CC OM dated 12/12/2012 may also be looked into by SEIAA.

13. **Case No.- 2888/2015 M/s Highway Infrastructure Pvt. Ltd., & Mr. Vivek Agrawal (Land Co-owners), 2. Prashant Sagar Builders Developers Pvt. Ltd., 57-FA, Scheme No. 94, Pipliyahana Junction, Ring Road, Indore (MP)-452016 Prior Environment Clearance for approval of proposed Construction of Residential Housing Project "Highway Karuna Sagar" at Khasra No. – 176/1, 177/3, 178/1, 179/4/2, Vill.-Kanadia, Teh.-Indore, District-Indore (MP) 26890.00 m<sup>2</sup>( approx 6.64 acres) Total Built-up Area- 48,447.78 m<sup>2</sup> (203<sup>rd</sup> meeting – Credible Action)Case discussed in 256 SEAC Meeting dt. 03/01/16 For-Building Construction Consultant: Env Development Assistance Syatem Pvt. Ltd, Lucknow.**

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

This is a residential project comprising building construction on plot area of 26890.0 m<sup>2</sup> and total built-up area of 48,447.78 m<sup>2</sup>. The project is proposed Khasra No. 6 176/1, 177/3, 178/1, 179/4/2, Village-Kanadia, Tehsil-Indore, District-Indore (MP). By virtue of type and size of project it falls under Category B-2, 8(a) in the EIA Notification hence requires prior EC from SEIAA.

**Site Specific Details**

Particulars	Details
Location	Khasra no. 176/1, 177/3, 178/1, 179/4/2, Village Kanadia, Indore, Madhya Pradesh
Coordinates	22043' 16.82" N and 75054'6.356E
Type of Industry	Building & Large Construction project
Category	B, Type- 8(a)
Current status of land Use	Residential Land use as per Indore Master Plan, 2021
Type of facilities	Residential, Commercial, Parks & Lush green open spaces
Nearest Road Connectivity	<ul style="list-style-type: none"> <li>▪ NH 3- Agra Mumbai Road- 2 km (W)</li> <li>▪ Kanadia Main Road- 2 km (SW)</li> <li>▪ NH-59A- 6.5 km (S)</li> <li>▪ Eastern Ring road: 5 km (SW)</li> <li>▪ M.R 10: 2.5 km (NW)</li> </ul>
Nearest railway station	<ul style="list-style-type: none"> <li>▪ Indore Railway Station: 8.5 km (SW)</li> </ul>
Nearest airport	<ul style="list-style-type: none"> <li>▪ Devi AhliyabaiHolkar Airport: 15 km (W)</li> </ul>
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Biospheres, National parks, Wildlife sanctuaries, community reserves and conservation reserves)	<ul style="list-style-type: none"> <li>▪ RalaMandal Sanctuary: 10 km (SW)</li> </ul>
Reserved/Protected Forests	<ul style="list-style-type: none"> <li>▪ Ralamandal- Devgurariya forest: 7km (SW)</li> </ul>
Rivers/Lakes	<ul style="list-style-type: none"> <li>▪ River Khan: 4.5 km (W)</li> <li>▪ River Saraswati: 8.5 km (NW)</li> <li>▪ River Shipra: 13 km (NE)</li> <li>▪ Bilawali lake: 11 km (SW)</li> <li>▪ KhajranaTalab: 4.7 km (W)</li> <li>▪ PipliyahanaTalab: 5 km (SW)</li> </ul>
Industrial Area	<ul style="list-style-type: none"> <li>▪ Sanwer Road Industrial Area: 10 KM (W)</li> </ul>
STP/ Landfill site	<ul style="list-style-type: none"> <li>▪ KabirKhedi STP: 9 km (NW)</li> <li>▪ Landfill site Indore: 7km (S)</li> </ul>
Archaeological important places	KrishnapuraChhatries, Lalbaug Palace, Khajrana Temple, Rajwada, Annapurna Temple, GeetaBhavan, KanchMandir&BadaGanpati lie within 15 km from proposed site.
Seismic zone	Seismic Zone II
Defense installations	Indore Cantonment Area: 15 km* (SW)

**Area Detail**

Items	Details
Total Plot area	26890.00 m <sup>2</sup> (approx 6.64 acres)
Area under road widening	1643.91 m <sup>2</sup>
Net Planning Area	25246.09 m <sup>2</sup>
Ground Coverage	<b>Permissible:</b> 8,331.21 m <sup>2</sup> (33%) <b>Proposed:</b> 8,222.68 m <sup>2</sup> (32.5%)
FAR	<b>Permissible:</b> Net Planning Area FAR @ 1.5 x 25246.09 = 37869.13 m <sup>2</sup> FAR against road widening @ 2x1.5x 1643.91 =4931.73 m <sup>2</sup> <b>Total Permissible FAR: 42,800.86 m<sup>2</sup></b> <b>Total Proposed FAR: 42,800.86 m<sup>2</sup></b>
Non FAR Area	Informal Area: 1420.10 m <sup>2</sup> Total Stilt area = 2,659.98 m <sup>2</sup> Basement Area = 1366.84 m <sup>2</sup> Other service area = 200 m <sup>2</sup> <b>Total Non FAR Area: 5646.92 m<sup>2</sup></b>
<b>Total Built up area</b>	48,447.78 m <sup>2</sup> (FAR Area+ Non FAR Area)
Open & Parking	13058.72(51.5%)
Green Area	2524.60 (10%)
No. of Trees	Proposed: 120 Trees
Total Dwelling Units	<b>Proposed Residential Units: 1051Units</b> <b>Proposed EWS Units: 57 Units</b>
Estimated Population	Residential Population 5255 (@ 5 person per unit) EWS Population- 228 (@ 4 person per unit) Visitors →550 (10% of residential population) Staff→20
No. of Blocks/ Towers	4 Blocks (A-D)
Max. No of floors	S+6
Maximum Height	Approx 18 m

**Salient Feature of the project**

Items	Details
Total Dwelling Units	Proposed Residential Units: 1051Units Proposed EWS Units: 57 Units
Parking Required Parking provided	485 ECS 495 ECS
Power requirement& source	Power requirement: 2627 kVA Source of Power: MPSEB (Madhya Pradesh State Electricity Board)
Power backup (DG Sets)	Back up DG sets (as per requirement) 310 KVA (D.G. Sets 6 x 62 kVA)

Water requirement & source	Fresh water: 365 KLD (Municipal Water supply) Reuse of treated effluent from STP: 133 KLD Total water requirement: 498 KLD
Sewage treatment & disposal	The waste water generated from entire complex is 460 KLD, which will be treated in the STP of 550 KLD capacity at site. 133 KLD waste water will be treated up to tertiary level for reuses in the complex like toilet flushing, and horticulture purposes. Rest of Secondary treated water is discharged into municipal sewers.
Total solid waste generated	Approximately 2850 Kg/ day ó Municipal solid waste including 9 Kg/Day of horticultural waste & 21 kg/day of sludge will be generated, segregated and disposed as per MSW Rules, 2000 through hired agency for Handling & disposal of solid waste. E-waste of 2 kg/day will be collected and disposed off as per E-waste Management and Handling Rules 2011.

#### Water/ Waste water Details

S. No.	Water/ Waste water Details:	Quantity
1.	Fresh Water- Domestic Use	365 KLD
2.	Flushing Water	120 KLD
3.	Horticulture / Landscape	13 KLD
	<b>Total water requirement</b>	498 KLD
	Waste water	460 KLD
	<b>Water Source</b>	Municipal supply & Recycled water

#### Solid waste

S.No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)	5483	2742
2.	Visitors (@0.15kg/day)	550	83
3.	Staff (@ 0.25kg/day)	100	25
<b>Total Solid waste generated</b>			Approx. 2850 kg/day
Horticulture Waste (@ .0037kg/sqm/day)			9 Kg/Day
E-Waste (0.15 kg/C/Yr)			2 Kg/Day
Considering residential and staff population			
STP Sludge			21 kg/day (dry weight)

Waste Oil (100 Liters/ MW Year) Assuming one maintenance cycle per year	Approx 263 liters
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### **Chronology of the case**

The case first applied for environmental clearance in MPSEIAA in 2011 but was turned down by authority as it was a violation of EIA notification 2006.

As per NGT (M.A.No. 89/2015 and 148/2015 and Original Application No. 193/2014 Paryavaran and Manav Sanrakshan Samiti Vs. M/s Highway Infrastructure Pvt. Ltd. & Ors) decision dated 19<sup>th</sup> march 2015, stating:

*“...we directs that SEIAA may entertain the application submitted by Respondent No.1 and consider the same in accordance with law and also take various norms under the EIA Notification, 2006. We further direct that in case the SEIAA finds that the constructions have been raised in contravention of EIA Notification, 2006, it shall recommend and submit its recommendations before us with regard to steps which may be taken to bring the constructions within the permissible limits as also subject compensatory measures that may be taken by the project proponent. On submission of the application by the Respondent No.1, we direct that SEIAA would consider the application and make its recommendations to this Tribunal for consideration. This Tribunal would also, in such event, consider the recommendation submitted by the SEIAA as also the issue on imposition of penalty as has been recorded in our earlier judgment. We grant four weeks time to Respondent No.1 for moving such as application also with copy of the order before SEIAA.”*

*In the meanwhile, all construction activates as ordered earlier shall remain stayed and no further possession of fats to the parties who may have invested in the project, shall be given. The list of present occupants shall be submitted to the District Collector who shall verify the same and take note of the facts.*

The case was resubmitted *de novo* in MPSEIAA on 30.04.15 for grant of Environment Clearance as per EIA notification 2006.

The case was discussed in 203<sup>rd</sup> SEAC meeting held on 3<sup>rd</sup> July 2015 wherein it was observed that a submission from PP has been received at SEAC stating that construction activities have already been initiated at site. Thus it is a clear case of violation. SEIAA has forwarded the case with documents pertaining to credible action initiated against the PP for violation. It was decided to visit the site, before appraisal of the case, the same has been directed by SEIAA for violation cases.

As decided, Shri K. P. Nyati, Member SEAC and Shri Manohar K. Joshi, Member SEAC visited the site on 21/12/2015. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, MP Pollution Control Board, Bhopal and Shri Sanjay Anand, Project Manager was also present.



**OBSERVEATIONS OF COMMITTEE DURING SITE VISIT**

- Total land area of the project is 26890.00 Sq.m. and the proposed built up area of the project is 48,447.78 Sq.m.
- The Project is group housing with all the basic amenities wherein 15 blocks were to be constructed. During visit it was observed that 10 blocks have been constructed out of them 06 have been finished and builder has given possession in these blocks and remaining 04 are yet to be completed. Construction of 05 blocks is yet to be initiated by the builder.
- Entry/exit to the project site is through 45 m wide Kanadia road which is connected to the NH3 at a distance of approx 2.00 kms. Main entry exit is 9 m wide while all the roads for internal circulation are 6 m wide.
- There are 1051 no of flats distributed in 15 towers. Project Proponent is constructing 57 EWS flats on site. During site visit is informed by representative of PP that about 408 no. of units are already constructed and under possession.
- 6 m wide clear circular roadway is proposed along the periphery of the project for movement of fire tenders along with water storage tank of 15 KLD on each block with provisions for Fire hydrants.
- The water requirement for the residents is sourced through ground water supply and the sewage generated is being treated using on site STP. 925 KLD STP is already installed at site. Technology used for treatment process is FAB. STP tanks for the project were found installed underground with access through the manholes covered with cast iron lids. The project has dedicated treated water storage tank of 15 KL over each tower along with an underground treated water storage tanks. STP was found functional. An existing bore well is present inside the project boundary and is conserved with proper fencing and beautification.
- Dual plumbing is provided for recycle of treated water for flushing and gardening purpose. PP was instructed to provide color coded pipes for separate fresh and recycled water supply.
- As per PP, at present the segregated MSW along with dried sludge is being handed over to Municipal Corporation for final disposal. PP was asked to provide a 48 hour MSW collection area inside the project boundary along with color coded bins at various points for collection of waste material.
- Parking space in the project is provided in the stilt area and in the podium area. Dedicated visitor's parking is provided by the PP in the open area. During site visit PP was instructed to maintain proper traffic circulation in the stilt, basement area and peripheral roads through signage.

- 2 No of Rain Water harvesting structure are proposed for the harvesting of roof top runoff water. Piped network is constructed for collection of rain water. During site visit PP was instructed to ensure that only clean rain water enters the recharge system by flushing of first rain water.
- As informed by PP, 2524.6 Sq.m of area is dedicated for the landscaping purposes as per T&CP norms. Peripheral plantation is present on site. As per PP more than 120 trees have already been planted on site. During site visit PP was instructed to plant big saplings for peripheral plantation.
- Adequate recreation area is provided in the form of gardens and play grounds. Park furniture and proper lighting arrangements were present to spent leisure time. It was also suggested to the PP that soft play area be provided in childrens playground.
- A small community center cum club house is also provided in the stilt area for the gathering of residents.

At the time of site visit committee members found that part construction has been done. However, members did not notice any ongoing construction activities at the time of inspection. There was no residual evidence of ongoing construction. Almost negligible construction material was lying on the site. Moreover, neither construction labors nor labor hutments were present at the site.

The report of committee was discussed in the 256<sup>th</sup> SEAC meeting dated 03/01/2016 and after deliberations; committee decided to call PP for presentation.

The case was presented by the PP and their consultant in the 269<sup>th</sup> SEAC meeting dated 29/02/2016 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 365 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 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.
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. Installation of solar photovoltaic cells for street lighting system should be provided.
8. Fund should be exclusively earmarked for the implementation of EMP.
9. MSW storage area should have 48 hours storage capacity.
10. PP should obtain CGWB permission for abstraction of ground water or permission of

concerned authority for fresh water supply as per OM of SEIAA no. 4253 dated 03/08/2015.

11. PP should obtain permission of concerned authority for disposal of municipal solid waste as per OM of SEIAA no. 4253 dated 03/08/2015.
12. PP should obtain permission of concerned authority for disposal of excess treated water through municipal drain as per OM of SEIAA no. 4253 dated 03/08/2015.
13. PP will obtain other necessary clearances/NOC.
14. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
15. PP should provide double entry and exit as per the submitted plan.
16. Soft play area should be provided by PP for children's recreational activities.
17. PP may explore the possibility of providing solar water heating systems for club.
18. 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.

SEIAA vide letter no. 679/SEIAA/16 dated 18/04/2016 has sent back the file to SEAC stating that *“PP has not complied the proposed activities at various stage such water supply, disposal of waste water, collection of MSW etc. Therefore the EC recommendations by committee needs to be reappraised as per the above observations to fulfill the directives of Hon'ble NGT and Hon'ble High Court”*, which was placed before the committee.

The committee observed that SEIAA has certain observations as per SEIAA meeting No. 313 dated 04/04/2016. The PP has replied all the observations of SEIAA vide letter dated 10/06/2016 and have also enclosed the copy of various permissions obtained from the concerned authorities for water supply, disposal of waste water, collection of MSW etc. It is therefore logical that the authority examines the reply of PP with respect to each observations of SEIAA and if there is anything after examining the reply of PP where SEIAA believes that on certain points SEAC may re-appraise, then those specific issues may be sent back to SEAC as early as possible as SEAC has already made the recommendations in the 269<sup>th</sup> SEAC meeting dated 29/02/2016.

[A. A. Mishra]  
Member Secretary

[K.P. Nyati]  
Vice Chairperson