

Minutes of the 278th meeting of the State Level Expert Appraisal Committee held on 10/02/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 278th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 10th February, 2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar. Following members attended the meeting:

1. Shri T. P. Singh, Chairman, SEAC.
2. Shri V. C. Soni, Vice Chairman, SEAC.
3. Shri R. J. Shah, Member, SEAC.
4. Dr. V. K. Jain, Member, SEAC.
5. Shri V. N. Patel, Member, SEAC.
6. Shri R. I. Shah, Member, SEAC.
7. Shri Hardik Shah, Secretary, SEAC.

The agenda of TOR/Scoping/Category 8 (a) cases was taken up. Total Twenty one (21) cases including TOR/Scoping (16 cases), appraisal cases (3 cases) and EC amendment cases (2 cases) of project / activity no. 8 were taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1 and Form-1A.

1.	Krish Elite	F.P.87&76, R.S.No. 42/3/1, 42/3/2, 35/10, T.P.S. No. 111(Nikol-Kathwada), Ahmedabad	Appraisal case.
<p>The project was earlier taken up in the meeting of SEAC held on 16/07/2015. During the meeting held on 16/07/2015, it was presented that the project site is at a distance of 2 km from the nearest TSDF site of Odhav. After detailed discussion, it was decided to further appraise the project only after submission of the following:</p> <ol style="list-style-type: none"> 1. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Measures proposed to comply with the ECBC norms / other international norms proposed for energy conservation. 2. Details on parking area requirement for the project as per NBC norms for residential & commercial units of the project with back up calculation showing parking area provision in hollow plinth, basement and as open surface parking. Mark the area of parking on the drawing showing the parking area provision for the project. 3. Scheme for rain water harvesting and ground water recharge, number of recharge percolation wells to be provided within premises and location of recharge percolation wells on the layout plan. Details on provisions of pre-treatment of the rainwater in the case of surface run off is to be harvested. 4. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, nearest fire station & time required to reach the proposed site etc. 5. Status of availability of water supply and drainage connection to the project. 6. Details on budgetary allocation for Environmental Management Plan for the project during construction and operation phase. <p>The project proponent submitted the above mentioned details vide their letter dated 05/12/2015.</p>			

Project proponent along with their expert consultant attended the meeting. During the meeting the project was appraised based on the details submitted as well as facts presented before the committee.

It is proposed to provide LED lighting for common area lighting in buildings and it was presented that they will explore the possibility of providing solar water heaters & solar street lights. Total parking space of 8,210.32 m² [2,534.13 m² in hollow plinth + 4,535.59 m² in basement + 1,140.60 m² as open surface parking] equivalent to 283 CPS will be provided against the parking requirement of 203 CPS. It was stated that from total 266 nos. of residential units, 140 units are of 1 BHK. 3 nos. of recharge wells will be provided for ground water recharge. They have obtained opinion from Fire & Emergency department of AMC and approved fire plans have been submitted. It was stated that the project site is a part of Ahmedabad Municipal Corporation and hence water supply & drainage connection will be availed to the project by AMC. They have submitted a copy of receipt obtained from AMC against various charges paid by them. It is proposed to make provision of Rs. 5.3 lacs for EMP during operation phase of the project.

During the meeting, when suggested by the committee, the project proponent assured that they will provide solar street lights. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

2.	Om Palace	Block No. 46, Moje: Navagam, Pasodara Patiya To Pasodara Road, Kamrej, Surat	Appraisal case.
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The project was earlier taken up in the meeting of SEAC held on 19/08/2015. During the meeting held on 19/08/2015, a discrepancy was observed between the built up area presented before the committee and the built up area shown in the project plan submitted by them. It was replied by the project proponent that all the shops proposed at first floor, as per the application made, are now replaced by the residential units and hence there is a change in built up area of the project. Further it was noticed that a nearby canal is passing at a distance of 280 m from the project site. After detailed discussion, it was decided to further appraise the project only after submission of the following:

1. Actual built up area of the project and revised Form-I & Form-IA with revised project details.
2. T.P. Scheme map showing location of the project site.
3. Status of availability of water supply, drainage connection & municipal solid waste collection facility to the project with supporting documents.
4. Explore the possibility of increasing the parking area provision for the project. Revised details on increased parking area provision based on the actual parking area available in hollow plinth & basement.
5. Project plan submitted by them shows a kind of water body is passing adjacent to the project site, details thereof.
6. Expected quantity & complete management plan of excavated earth to be generated during the construction phase.

The project proponent submitted the above mentioned details vide their letter dated 21/12/2015.

During the meeting, the project was further appraised based on the additional details submitted as well as facts presented before the committee.

A map of draft town planning scheme of SUDA showing location of the proposed project has been submitted by them. It was presented that the project site falls in the draft T.P. scheme of SUDA. By the time the construction phase of the project is completed, the water supply, drainage connection & MSW collection facility will be available to the project during the operation phase. It is proposed to provide a basement admeasuring 1,046.45 m² which will be used for parking purpose. Distance between the adjacent canal and the boundary of the project site is about 6.51 m. 3,191.67 m³ of excavated earth to be generated will be

refilled within premises and the additional quantity of earth to be required for refilling will be arranged from the other projects.

Salient features of the project are as under:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project															
2.	Type of Project	Residential & Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	"Om Palace"															
5.	Name of Developer	M/S. M. D. Corporation															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 39.50 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 14,263.0 FSI area (m²): 28,246.24 Non FSI area (m²): -- Total BUA (m²) : 37,977.42 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>---</td> <td>28,246.24</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>6,195.50</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,426.0</td> <td>1,429.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>18.75</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	---	28,246.24	Ground Coverage (m ²)	---	6,195.50	Common Plot Area (m ²)	1,426.0	1,429.0	Max. building height (m)	--	18.75
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9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 12 No. of Blocks: 12 Scope of buildings/blocks: 3 buildings – ground floor (parking & shops) + 5 floors, 9 buildings – hollow plinth + 5 floors. No. & size of Residential Units: 508 Flats No. & type of Commercial Units: 30 shops Details of amenities if any: -- 															
10.	No. of expected residents / users	Expected residents: 2540 Expected Shops users: 60 Expected visitors: 1000															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 14.00 Source of water: Bore well water Waste water generation quantity (KL/day): 1.80 Mode of disposal: Into Soak pit Details of reuse of water, if any: W/W generated from washing of equipments will be reused for curing after necessary treatment. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 366.50 Source of water: Water supply system of Surat Municipal Corporation (S.M.C.) Waste water generation quantity (KL/day): 288.50 															

		<ul style="list-style-type: none"> Mode of disposal: U/G drainage line of S.M.C 																																				
13.	Status of water supply and drainage line	Applied for water supply line and drainage connection in S.M.C.																																				
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>714.5</td> <td>714.5</td> <td>Will be reused for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>3,191.67</td> <td>Will be completely reused as back filling within premises.</td> <td>---</td> </tr> <tr> <td>Construction debris</td> <td>388</td> <td>185</td> <td>Reused as a filler up to plinth level and remaining will be reused in outer road development</td> </tr> <tr> <td>Steel scrap</td> <td>15</td> <td>--</td> <td>Sold to local scrap vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>09</td> <td>--</td> <td>Sold to local vendors</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>922.0</td> <td>Blue colour bucket</td> <td>Through door to door waste collection system of S.M.C.</td> </tr> <tr> <td>Wet waste</td> <td>614.00</td> <td>Green colour bucket</td> <td>Through door to door waste collection system of S.M.C.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste. Capacity and no. of community bins to be placed within premises: 1.0 m³ in each building Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill site of SMC. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	714.5	714.5	Will be reused for developing garden area	Other excavated earth	3,191.67	Will be completely reused as back filling within premises.	---	Construction debris	388	185	Reused as a filler up to plinth level and remaining will be reused in outer road development	Steel scrap	15	--	Sold to local scrap vendors	Discarded packing materials	09	--	Sold to local vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	922.0	Blue colour bucket	Through door to door waste collection system of S.M.C.	Wet waste	614.00	Green colour bucket	Through door to door waste collection system of S.M.C.
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15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 4,342.0 m² Parking area requirement for residential units as per GDCR: 4,132.0 m² Parking area requirement for Commercial units as per GDCR: 210.0 m² Total number of CPS requirement for the project as per NBC : 268 Number of CPS requirement for residential units as per NBC: 254 Number of CPS requirement for commercial units as per NBC: 14 Total Parking area provided (m²) & No. of CPS: 8,334.0 m² & 304 CPS 																																				

		<ul style="list-style-type: none"> • Parking area provided in hollow plinth (m²) & No. of CPS: 6,059.0 m² & 217 CPS • Parking area provided as open surface (m²) & No. of CPS: 1,280.0 m² & 56 CPS. 																														
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18.0 m wide road in S direction • Number of Entry & Exit provided on approach road/s: 4 gates will be provided • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads: 7.5 m 																														
17.	Details of Green Building measures proposed.	Use of fly ash based material, provision of rain water harvesting & ground water recharge scheme, provision of flush tank instead of direct flushing in toilets, provision of foam type aerated cock for water usage.																														
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply Maximum demand: 3000 KVA Source: D.G.V.C.L • Energy saving measures: Use of LED lights in common areas, solar light in landscape area, maximum use of natural light, reflective /white tiles on terrace etc. • DG Sets No. and capacity of the DG sets: 1 x 37 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity 30 L/hr. 																														
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, down comer, manually operated electric fire alarm system, terrace tank of 25 KL capacity etc.																														
20.	Details on staircase																															
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 20.0 m • No. & dimensions of RWH tank(s) : 08 nos. of RWH tanks; • size: 4 m x 3 m x 3 m, Size of Bore: 350 mm dia., Size of pipe: 150 mm dia. • No. and depth of percolations wells: 08 nos. of percolating wells. • Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen 																														

22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 434.0 • Area covered by shrubs and bushes (m²): -- • Lawn covered area (m²): 995.0 • Total Green Area (m²): 1,429.0 • Green Area % of plot area: 10.0 % • No. of trees and species to be planted: 73 nos of trees of Asopalav, Neem tree, Coconut Palm tree, Gulmohar etc.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 32.0 lacs and recurring cost of Rs. 9.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc.
24.	Proposed dust control measures.	Barricading the project site, water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.
25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.
26.	Details on amenities to be provided to construction workers	Drinking water & tap water, sanitation facilities, lunch space, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession.	Village form no 7/12 submitted shows the ownership of agricultural land by the land owners other than the partners of M/s M.D. Corporation. Copy of “Satakhat” made between the land owners & partners of the company has been submitted. Partnership deed of M/s M. D. Corporation has also been submitted. The applicant is one of the partners of M/s M. D. Corporation.

During the meeting, the project proponent was asked to maintain at least minimum required margin between the building control line and the nearest boundary of the canal in the vicinity. The project proponent was suggested to increase the parking area provision for the project. After discussing the project at length, it was decided to consider the project only after submission of the following:

1. Explore the possibility of increasing the parking area provision for the project and revised details of the same along with parking plans.

3.	Kasha Rivera	T.P.S.No.14(PAL),Block, No.343,O.P.No.70, F.P.No.134,Paikie Sab Plot No.B, At-Pal,Surat	Appraisal case.
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The project was taken up earlier in the meeting of SEAC held on 09/09/2015. During the meeting held on 09/09/2015, after detailed discussion, it was decided to further appraise the project only after submission of the following:

1. Details on the permissible & proposed ground coverage for the proposed project.
2. Details on refuge area / skip floor to be provided in the proposed high rise buildings as per requirement of NBC and GDCR in this regard.
3. Land possession documents showing the ownership of land by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site or a copy of

documents showing the correspondences made in this regard and copy of agreement made between the land owners & developers (if any).

4. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Details along with back up calculation showing how the additional energy consumption in such type of high rise buildings will be compensated with the proposed energy conservation measures.
5. Details of seismic zone of the project and design aspects required to be adhered to as per national standards for buildings to make it earthquake proof.
6. A certificate from structural engineer showing the adherence of the relevant norms/ codes for the proposed 24 storied buildings considering the capacity of terrace water tanks, seismic zone, close vicinity of river, wind velocity, maximum intensity of the earthquake recorded in the past etc.
7. Details on provision of ventilation, lighting arrangements, CO sensors & their functioning etc. in basement.
8. Details on the nearest fire station, availability of fire tender/s capable of reaching up to 24th floor, time required by a fire tender to reach the proposed site etc.

Project proponent submitted the above mentioned details vide their letter dated 27/01/2016.

Project proponent along with their expert / consultant attended the meeting. During the meeting the project was appraised based on the details submitted as well as facts presented before the committee.

It was presented that they have applied to Urban Development & Urban Housing Department, Gandhinagar for additional FSI and copy of the same has been submitted. Provision of refuge cum assembly area has been made at 7th, 14th and 21st floors of all the buildings for gathering in case of emergency. Copy of village form no. 7 submitted by them shows N.A. land for commercial use is in the name of land owners. The land owners have given power of attorney to the applicant. It is proposed to use LED lighting fixtures in the common areas, solar energy in external lighting, reflective / white tiles on terrace floor, maximum utilization of natural light, solar water heaters, solar power panels of 6.0 KWH capacity etc. They have submitted a copy of structural stability certificate stating that the buildings have been designed for 24 stories considering all the relevant IS codes, capacity of terrace water tanks, wind velocity, intensity of earth quake & seismic zone III. Provision of natural & mechanical ventilation system (ventilator at 8 locations with oxygen level sensors), exhaust fans & LED lighting, automatic CO sensors, gas detection system with audible alarm system etc. will be made in basement. The nearest fire station is Adajan Fire station which is 1.10 km away from the project site and a fire tender will take approximately 5 minutes to reach the project site.

During the meeting, it was observed that the project land area also includes some portion of the land of the adjoining commercial building, for which Environmental Clearance has already been accorded. In order to use the land portion of the adjoining commercial project, they have amalgamated the land portion with their project site. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from Urban Development & Urban Housing Department, Gandhinagar for the proposed additional FSI of the project.
2. Details of adjoining commercial building construction project, its environmental clearance and Impact of amalgamation of the adjoining project land with the proposed project site on parking, basic amenities, structure stability of the existing adjoining commercial building etc.
3. Document showing the amalgamation of adjoining land portion with the proposed project site.

4.	Yash Arian	Survey No: 211/1+2 paiki Plot No.B, T.P.29, Naranpura, Ahmedabad	EC amendment & expansion
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The SEIAA, Gujarat has accorded environmental clearance to M/s Yash Procon Pvt. Ltd. for commercial building construction project - "Yash Arian" at Survey No. 211/1 & 211/2 paiki, Plot No. B, T.P.S. No. 29, Naranpura, Ahmedabad, vide order no. SEIAA/GUJ/EC/8(a)/23/2012 dated 21/01/2012 which was further amended vide order no. SEIAA/GUJ/EC/8(a)/104/2015 dated 04/03/2015 for the built up area of 47,800.18 m².

The project proponent, vide proposal no. SIA/GJ/NCP/9494/2016 dated 22/01/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 21/01/2012 which was further amended vide order dated 04/03/2015 for the proposed changes in the planning of the project.

The request for amendment in terms of proposed expansion & modification was considered during the meeting. Details of the project as per the EC granted and details of the project after the proposed expansion, as presented before the committee, are tabulated below:

Description	Details as per EC granted.	Details of the project after proposed changes.
Name of the project	Yash Arian	Yash Arian
Name of the developer	Yash Procon Pvt. Ltd.	Yash Procon Pvt. Ltd.
Location address	Survey No: 211/1 & 211/2 paiki Plot No.B, T.P.29, Naranpura, Ahmedabad	Survey No: 211/1+2 paiki Plot No.B, T.P.29, Naranpura, Ahmedabad
Plot area (sq. m.)	9,257	9,257
Ground Coverage (sq. m.)	3,406.01	3,590.80
Built – up area (sq. m.)	47,800.18	50,934.93
FSI area (sq.m.)	24,904.12	27,586.58
Number of buildings	Two	Two
Number of Units	152 commercial units and 238 Residential flats	208 commercial units and 238 Residential flats
No. of floors	Block A, B, C, D (HP+14) Block E, F (G+4)	Residential blocks A, B, C, D (HP+14) Commercial blocks E – G+4 & F – G+5
Basement area (sq. m.)	15,046.26	15,046.26
Hollow plinth area (sq. m.)	1,489.16	1,562.43
Parking requirement as per NBC	338 CPS	377 CPS
Parking requirement as per GDR	7,529.95 sq m	8,609.52 sq m
Parking area provided (sq m) and number of CPS	Total Area- 17,535.42 Open area 1000 (43 CPS) Basement- 15,046.26 (470 CPS) Hollow Plinth -1,489.16 (53 CPS) Total –566 CPS	Total Area- 17,608.69 Open area 1000 (43 CPS) Basement- 15,046.26 (470 CPS) Hollow Plinth -1,562.43 (55 CPS) Total –568 CPS
Water requirement (KL/day)	189.53	197.03
Waste water generation (KL/day)	148.66	154.06
Municipal Solid waste generation (kg/day)	853	882.6
Total green belt area (sq.m.)	926	1,113.43
Tree covered area (sq. m.)	150	250
Lawn covered area(sq. m.)	776	863.43

During the meeting, the project proponent was suggested to provide STP for treatment of sewage to be generated during the operation phase of the project. Traffic survey carried out on the adjacent road, having carrying capacity of 1400 PCU/hr, shows that the road will be adequate enough to cater the proposed traffic load of 1361 PCU/hr after the proposed expansion. It is proposed to provide fire extinguishers, hose reel, wet riser, automatic sprinkler system in basement, manually operated electric fire alarm system, 3 nos. of underground tanks each of 100 KL capacity, 4 nos. of terrace tanks of 10 KL capacity for residential units, 2 nos. of terrace tanks of 25 KL capacity for commercial units etc. as fire fighting measures. During the meeting, after discussing the project in detail, it was decided to consider the project only after submission of the following:

1. Status of the project in terms of percentage & details of construction work completed.
2. A copy of structural stability certificate obtained for the buildings of the project.
3. Copy of permission obtained from the concerned authority for the availability of the proposed additional FSI to the project.
4. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time and other technical parameters. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan etc.
5. Revised water balance details considering the reuse of treated sewage for purposes like flushing, gardening etc. within premises.

5.	Raghuvir Sparkle	F.P.No:16,18/P, R.S.No:224/2, 225/2, TPS No:75 (Vesu-Magadalla-Gaviar), Moje:Vesu, Dist:Surat	EC amendment & expansion.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Raghuvir Developers & Builders for the building construction project at F.P.No:16,18/P, R.S.No:224/2, 225/2, TPS No:75 (Vesu-Magadalla-Gaviar), Moje:Vesu, Dist:Surat vide order no. SEIAA/GUJ/EC/ 8(a)/165/2013 dated 15/07/2013 for the built up area of 28,883.63 m² comprising of 148 flats & 136 shops.

The project proponent vide their letter dated 21/12/2015 & online proposal no. SIA/GJ/NCP/35095/2015 dated 19/12/2015 requested for amendment of Environmental Clearance order dated 15/07/2013 for the proposed expansion of the project and change in the name of project from 'Samruddhi Complex & Samruddhi Residency to 'Raghuvir Sparkle.

The request for amendment in terms of proposed changes was considered during the meeting. The project proponent presented the details of the previous and the revised project details which are tabulated below:

Description	Details As Per EC Granted.	Details Of The Project After Proposed Changes.
Name Of The Project	Samruddhi Complex & Samruddhi Residency	Raghuvir Sparkle
Name Of The Developer	Raghuvir Developers & Builders	Raghuvir Developers & Builders
Location Address	F.P.No:16,18/P, R.S.No:224/2, 225/2, TPS No:75 (Vesu-Magadalla-Gaviar), Moje:Vesu, Dist:Surat	F.P.No:16,18/P, R.S.No:224/2, 225/2, TPS No:75 (Vesu-Magadalla-Gaviar), Moje:Vesu, Dist:Surat
Plot Area (sq. m.)	9621.0	9621.0

Ground Coverage (sq. m.)	2657.02	2897.19
Built – Up Area (sq. m.)	28883.63	58444.37
FSI Area (sq. m.)	21084.43	38471.92
Number Of Buildings	4 (3 residential buildings + 1 commercial building)	4 (all residential building)
Number Of Units	148 flats & 136 shops	210 flats
No. Of Floors	3 residential buildings – B +H.P.+13 floors and a commercial building – B + G +4 floors.	B1 + B2 + H.P + 15 floors for all the four buildings
Basement Area (sq. m.)	4208.12	12159.54
Hollow Plinth Area (sq. m.)	1485.60	2197.19
Parking Requirement As Per NBC	236	210
Parking Requirement As Per GDR (sq. m.)	3976.43	19163.78
Parking Area Provided (sq. m.) and Number Of CPS	7296.69 251 ECS	19181.37 m ² [16,863.90 m ² in basement & as mechanical parking in basement + 2198.18 m ² in hollow plinth + 119.29 m ² ase open surface parking] 610 ECS
Water Requirement (KL/day)	129.67	136.19
Waste Water Generation (KL/day)	100.80	105.84
Municipal Solid Waste Generation (Kg/day)	240.5	508.2
Total Green Belt Area (sq. m.)	1212.56	1296.33
Tree Covered Area (sq. m.)	322.98	334.01
Lawn Covered Area (sq. m.)	889.58	962.32

It is proposed to provide STP of 70 KL/day capacity for treatment of grey sewage to be generated during the operation phase of the project. From the total water requirement of 136.19 KL/day, fresh water requirement of 88.2 KL/day will be obtained through water supply from SMC whereas water requirement of 47.99 KL/day for gardening & flushing will be met through treated grey sewage. From the total sewage generation of 105.84 KL/day, grey sewage will be segregated and treated in the proposed onsite STP for grey sewage. Treated grey sewage will be reused for gardening & flushing purpose at the maximum extent possible. Remaining quantity of treated grey sewage, if any, along with the untreated black sewage will be discharged into the drainage line of SMC. It was presented that they have changed the scope of the project from mixed type of residential & commercial project to completely residential project. While asking by the committee the project proponent replied that they have not yet started any kind of construction activity at the project site. Two nos. of staircases will be provided in 3 nos. of buildings having floor area more than 500 m² and in remaining one building having floor area less than 500 m², one staircase will be provided. Width of the staircases will be 1.5 m. Fire fighting facilities like fire extinguishers, hose reel, wet riser, automatic sprinkler system in basement & passages of all the buildings, manually operated electric fire alarm system, underground fire water storage tank of 100 KL & overhead tank of 25 KL capacity on each building will be provided. After detailed discussion,

it was decided to consider the project only after submission of the following:

1. Justification for the proposed changes in terms of expansion along with the copy of permission obtained from the concerned competent authority for the proposed expansion.
2. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time and other technical parameters. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan etc.
3. Complete details on the mechanical parking to be provided.

6.	Accron Business Hub	O.P.No.71, F.P.No.145/P, T.P.S.No.27 (Bhatar Majura), Moje: Majura, Dist: Surat	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New project [Proposal no. SIA/GJ/NCP/3537/2015]															
2.	Type of Project	Proposed project of Ware houses															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Accron Business Hub															
5.	Name of Developer	S. J. Enterprise															
6.	Estimated Project Cost (Rs. In Crores)	40 crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction work has been started.															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 12,849.0 • FSI area (m²):12,449.16 • Total BUA (m²):21,935.70 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>12,450.04</td> <td>12,449.16</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>5,510.98</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,284.90</td> <td>1,285.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>19.44 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	12,450.04	12,449.16	Ground Coverage (m ²)	---	5,510.98	Common Plot Area (m ²)	1,284.90	1,285.0	Max. building height (m)	--	19.44 m
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Common Plot Area (m ²)	1,284.90	1,285.0															
Max. building height (m)	--	19.44 m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:2 • No. of Blocks:2 • Scope of buildings/blocks: Basement + ground floor + 2 floors • No.& size of Residential Units: N.A • No. & type of Commercial Units:-- 30 Ware Houses 															
10.	No. of expected residents / users	Comm.-1000 users including floating population															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day):25.0 • Source of water: SMC water supply • Waste water generation quantity (KL/day):4.5 • Mode of disposal: Into septic tank & soak pit • Details of reuse of water, if any:N.A. 															
12.	Water & waste water details during	<ul style="list-style-type: none"> • Fresh water requirement (KL/day):45.0 															

	operation phase	<ul style="list-style-type: none"> • Source of water: SMC water supply • Waste water generation quantity (KL/day):35.0 • Mode of disposal: Into drainage line of SMC. 																																			
13.	Status of water supply and drainage line	Water supply & drainage connection will be provided by SMC.																																			
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil & Other excavated earth</td> <td>65,800</td> <td>65,800</td> <td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</td> </tr> <tr> <td>Construction debris</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be used as road sub base within premises.</td> </tr> <tr> <td>Steel scrap</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be sold to vendors.</td> </tr> <tr> <td>Discarded packing materials</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be sold to vendors.</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>40.5</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of SMC.</td> </tr> <tr> <td>Wet waste</td> <td>27</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of SMC.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: Total 30 bins of 80 lit capacity will be provided within premises. • Landfill site where waste will be ultimately disposed by local authority: Nearby MSW collection point of SMC. 					Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil & Other excavated earth	65,800	65,800	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	Construction debris	Whatsoever	Whatsoever	Will be used as road sub base within premises.	Steel scrap	Whatsoever	Whatsoever	Will be sold to vendors.	Discarded packing materials	Whatsoever	Whatsoever	Will be sold to vendors.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	40.5	Into bins to be provided within premises.	Door to door waste collection system of SMC.	Wet waste	27	Into bins to be provided within premises.	Door to door waste collection system of SMC.
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15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,735.0 m². • Parking area requirement for Commercial units as per GDCR: 3,735.0 m². • Total number of CPS requirement for the project as per NBC:87 CPS • Number of CPS requirement for commercial units as per NBC:87 • Total Parking area provided (m²) & No. of CPS:4,721.29 m² & 151 CPS • Parking area provided in basement (m²) & No. of CPS: 4,470.06 m² & 140 CPS. • Parking area provided as open surface (m²) & No. of CPS: 250.69 m² & 11 CPS. 																																			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m & 15 m wide roads. • Number of Entry & Exit provided on approach road/s: Two gates will be 																																			

		<p>provided.</p> <ul style="list-style-type: none"> • Width of Entry & Exit provided on approach road/s: 9 m & 6 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m. • Width of all internal roads: 9 m & 6 m 											
17.	Details of Green Building measures proposed.	Fly ash/PPC will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces. Provision of CFL/LED lights.											
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand:1000 KVA Connected load:2500 KVA • Source: Torrent Power Limited • Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc. • DG Sets: No proposal for D.G set 											
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Underground water tanks- 50 KL x 2 nos., terrace water tank of 15 KL capacity on both the buildings, fire extinguishers, fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, first aid box, displaying of important telephone numbers etc. • Name of the nearest fire station: Majura Fire Station Distance from the project site: About 1.1 Km Time required by the fire tender to reach the project site: 5 minutes. 											
20.	<p>Details on staircase:</p> <table border="1"> <thead> <tr> <th>Type of block</th> <th>Distance of stair case from the farthest corner</th> <th>Number of Stair case</th> <th>Width of Stair case in m</th> <th>No. of Lifts</th> </tr> </thead> <tbody> <tr> <td>Block A</td> <td rowspan="2">Each individual ware house will be provided with its own individual staircase.</td> <td rowspan="2">30</td> <td rowspan="2">1.52</td> <td rowspan="2">30</td> </tr> <tr> <td>Block B</td> </tr> </tbody> </table>		Type of block	Distance of stair case from the farthest corner	Number of Stair case	Width of Stair case in m	No. of Lifts	Block A	Each individual ware house will be provided with its own individual staircase.	30	1.52	30	Block B
Type of block	Distance of stair case from the farthest corner	Number of Stair case	Width of Stair case in m	No. of Lifts									
Block A	Each individual ware house will be provided with its own individual staircase.	30	1.52	30									
Block B													
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:35-40 m BGL • No. & dimensions of RWH tank(s):nil • No. and depth of percolations wells:4 nos. of percolating wells, 10 m • Details on Pre-treatment facilities : -- 											
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²):1000.0 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²):1200.0 • Total Green Area (m²):2200.0 • Green Area % of plot area:10% • No. of trees and species to be planted:195 											
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 14.5 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 25.3 lacs and recurring cost of Rs. 5.5 lacs has been proposed for installation of energy efficient appliances, green belt development, rain water harvesting & ground water recharge, waste water management, solid waste management etc. during											

		the operation phase.
24.	Dust control measures	Water sprinkling, maintaining roads & trees to avoid dust generation etc.
25.	Eco friendly building material usage details.	Fly ash & pozzolana cement will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces.
26.	Details of basic amenities to be provided to construction workers.	Adequate sanitation facilities, drinking water, bins for collection of municipal solid waste.

During the meeting, the project proponent was suggested to make use of solar energy. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Details on provision to be made for minimum fire water storage based on the fire study..
2. Base line status of the existing traffic, impact on it due to the project activities (prior to construction, during construction and at full site operation), carrying capacity of the existing roads and details of traffic management in and outside the project during construction and operation phase of the project.
3. Type of activities to be carried out in the proposed commercial units. Undertaking stating that no any kind of manufacturing activity shall be allowed in the commercial units of the proposed project and they will not sold / allot any commercial unit for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.
4. Land possession documents showing ownership by M/s S.J Enterprise, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site for commercial use or a copy of documents showing the correspondences made in this regard and copy of agreement made between the land owners & developers (if any).

7.	Riviera One	S.No.920, F.P.No.44, T.P.S.No.25 (Vejalpur), Ahmedabad.	Screening & scoping / appraisal
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/3556/2015]
2.	Type of Project	Residential Project
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Riviera One
5.	Name of Developer	Goyal & Co. (Construction) Private Limited
6.	Estimated Project Cost (Rs. In Crores)	50 Crores
7.	Whether construction work has been initiated at site? If yes, details thereof	No

8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 4,351.0 • FSI area (m²):15,663.43 • Non FSI area (m²):11,983.57 • Total BUA (m²):27,647 <table border="1" data-bbox="456 320 1520 499"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>15,663.60</td> <td>15,663.43</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>1701.38</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>435.1</td> <td>652.43</td> </tr> <tr> <td>Max. building height (m²)</td> <td>70</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	15,663.60	15,663.43	Ground Coverage (m ²)	---	1701.38	Common Plot Area (m ²)	435.1	652.43	Max. building height (m ²)	70	45									
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Common Plot Area (m ²)	435.1	652.43																								
Max. building height (m ²)	70	45																								
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: One • No. of Blocks: One • Scope of buildings/blocks: Residential. 2 level basement + hollow plinth + 13 floors • No.& size of Residential Units: Total 48 Flats. 24 Flat -4 BHK Size 273.39 m² and 24 Flat 5 BHK, Size 356.99 m². • No. & type of Commercial Units: No • Details of amenities if any: One Society Office 																								
10.	No. of expected residents / users	216 occupants and 50 visitors																								
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 21.75 • Source of water: Water tankers • Waste water generation quantity (KL/day): 5.73 • Mode of disposal: septic tank & soak pit. • Details of reuse of water, if any: No 																								
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 32.51 • Source of water: AMC water supply. • Waste water generation quantity (KL/day):23.92 • Mode of disposal: Into drainage line of AMC. 																								
13.	Status of water supply and drainage line	Available at site																								
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="456 1339 1465 2000"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1840</td> <td>1840</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>21,160</td> <td>9,660 m³ will be used for back filling and raising plinth level.</td> <td>Balance earth will be used at other projects as per requirement.</td> </tr> <tr> <td>Construction debris</td> <td>250</td> <td>120 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to local authority or fill in low laying area</td> </tr> <tr> <td>Steel scrap</td> <td>8</td> <td>0</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>6</td> <td>0</td> <td>Sold to vendors</td> </tr> </tbody> </table> <p>Operation Phase:</p>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1840	1840	Development of landscape area	Other excavated earth	21,160	9,660 m ³ will be used for back filling and raising plinth level.	Balance earth will be used at other projects as per requirement.	Construction debris	250	120 m ³ will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying area	Steel scrap	8	0	Sold to vendors	Discarded packing materials	6	0	Sold to vendors
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		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	83.76	White bins	Sold to vendors
		Wet waste	55.84	Green Bins	Municipal bins
		<ul style="list-style-type: none"> • Details of segregation if to be done: yes • Capacity and no. of community bins to be placed within premises: 15 kg and 10 number of community bins to be placed in common area • Landfill site where waste will be ultimately disposed by local authority: Nearby waste collection point of AMC 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:3132.68 m² • Parking area requirement for residential units as per GDCR:3132.68 m² • Total number of CPS requirement for the project as per NBC :48 • Number of CPS requirement for residential units as per NBC: 48 • Total Parking area provided (m²) & No. of ECS: 7126 & 227 ECS • Parking area provided in basement (m²) & No. of ECS: 6196 & 193 ECS • Parking area provided in hollow plinth (m²) & No. of ECS:680 & 24 ECS • Parking area provided as open surface (m²) & No. of ECS: 250 & 10 ECS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18 m wide road • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m Entry/Exist • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5.0 m • Width of all internal roads: 6.0 m & 7.5 m. 			
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 6 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 2 nos. of percolating wells etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 500 KVA Connected load: 600 KVA Source: Torrent Power Ltd. • % of saving with calculations: ~30% by use of LED and star rated energy efficient electronic consumer durables • Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area • DG Sets: No. and capacity of the DG sets:1 x 40 KVA Fuel & its quantity: HSD, 9 litre/hr. 			
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. • During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, down comer, automatic sprinkler system in basement, underground static water storage tank-300 KL capacity, terrace tank -115 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc. 			

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)
	A	HP + 13	1,506.14	2	2.05	26
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 25m • No. & dimensions of RWH tank(s) : 2 No and 2.0m X 2.0 m X 3.0 m • No. and depth of percolations wells :2 no and 19 m • Details on Pre-treatment facilities : oil and grease removal and filter 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :150 • Area covered by shrubs and bushes (m²): 252.43 • Lawn covered area (m²):250 • Total Green Area (m²):652.43 • Green Area % of plot area: 14.6 % • No. of trees and species to be planted: 66 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar 				
23.	Dust control measures	Spraying of water, Peripheral barricading,, covered shed for cement Loading area, covering the excavated earth with tarpaulin sheet etc.				
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs.12.0 lacs & Rs.9 lacs capital cost & recurring cost respectively has been made for EMP & EMS.				
25.	Details of eco friendly building materials	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc.				
26.	Details of amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, PPEs, first aid room with first aid kit & welfare facilities as per the Gujarat Building & Other Construction Workers Rules.				
27.	Documents related to land possession	Village form no. 7 is in the name of land owners. Banakhat between land owners and M/s Goyal Co. has been submitted. A copy of application made for obtaining N.A permission has also been submitted.				

During the meeting, it was presented that the traffic survey was carried on a road connecting the S.G Highway & Shyamal which shows that the road having capacity of 1400 PCU/hr will be adequate enough to accommodate total 1300 PCU/hr in the proposed scenario. During the meeting after detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

8.	Sai Green Valley 3	S. No. 74 & 75, O.P. No. 26, F.P.No. 26, Draft TPS No. 02, At Ghuma, Ta: Dascroi, Dist -Ahmedabad	Screening & scoping / Appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/3585/2015]
2.	Type of Project	Residential
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the	Sai green valley 3

	project																	
5.	Name of Developer	Land owner																
6.	Estimated Project Cost (Rs. In Crores)	50 Crores																
7.	Whether construction work has been initiated at site? If yes, details thereof	No																
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²) : 7,326.0 FSI area (m²):20,393.50 Total BUA (m²): 37,969.35 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>---</td> <td>20,393.50</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>2,561.37</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>732.60</td> <td>754.07</td> </tr> <tr> <td>Max. building height (m)</td> <td>45 m</td> <td>39 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	---	20,393.50	Ground Coverage (m ²)	---	2,561.37	Common Plot Area (m ²)	732.60	754.07	Max. building height (m)	45 m	39 m	
	Permissible	Proposed																
FSI Area (m ²)	---	20,393.50																
Ground Coverage (m ²)	---	2,561.37																
Common Plot Area (m ²)	732.60	754.07																
Max. building height (m)	45 m	39 m																
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:4 No. of Blocks:4 Scope of buildings/blocks: Basement +HP + 11 Floors No. & size of Residential Units: 310 Nos. & below 65 m2 No. & type of Commercial Units: NA Details of amenities if any: --- 																
10.	No. of expected residents / users	1240																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):45.0 Source of water: Water tankers Waste water generation quantity (KL/day):3.0 Mode of disposal: Soak Pit system Details of reuse of water, if any: 																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day):190.0 Source of water: AUDA water supply. Waste water generation quantity (KL/day): 148.0 Mode of disposal: AUDA Drainage line 																
13.	Status of water supply and drainage line	Water supply from AUDA will be available in the operation phase. Drainage connection is 100 m away from the project site.																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>150</td> <td>150</td> <td>Will be reused for green belt development.</td> </tr> <tr> <td>Other excavated earth</td> <td>2500</td> <td>1200</td> <td>Will be reused for back filling, internal roads and other paved areas & remaining will be used for other projects in the vicinity.</td> </tr> <tr> <td>Construction debris</td> <td>100</td> <td>80</td> <td>Will be used for back filling , internal roads development and</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	150	150	Will be reused for green belt development.	Other excavated earth	2500	1200	Will be reused for back filling, internal roads and other paved areas & remaining will be used for other projects in the vicinity.	Construction debris	100	80	Will be used for back filling , internal roads development and
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse															
Top Soil	150	150	Will be reused for green belt development.															
Other excavated earth	2500	1200	Will be reused for back filling, internal roads and other paved areas & remaining will be used for other projects in the vicinity.															
Construction debris	100	80	Will be used for back filling , internal roads development and															

				remaining will be hand over to AUDA.	
		Steel scrap	3	0	Sold to vendors.
		Discarded packing materials	2	0	Sold to vendors.
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	40	White Bins	Sold to vendors
		Wet waste	700	Green Bins	Through collection system of AUDA.
		<ul style="list-style-type: none"> • Details of segregation if to be done: Yes • Capacity and no. of community bins to be placed within premises: 15Kgs of 10 Nos. of community bins to be placed in common area. • Landfill site where waste will be ultimately disposed by local authority: Municipal solid waste will be collected through AUDA for it final disposal at the nearest MSW dumping / landfill site of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:4078.70 m² • Parking area requirement for residential units as per GDCR:4078.70 m² • Total number of CPS requirement for the project as per NBC :155 • Number of CPS requirement for residential units as per NBC: 155 • Total Parking area provided (m²) & No. of CPS: 12,166.76 m² and 448 CPS • Parking area provided in basement (m²) & No. of CPS: 5,720.75 m² and 179 CPS • Parking area provided in hollow plinth (m²) & No. of CPS: 1,681.37 m², 61 CPS • Parking area provided as open surface (m²) & No. of CPS: 4,764.63 m², 208 CPS • Two wheeler Parking : 880 Sq. mt in H.P. : No of two wheeler= 400 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:18 m • Number of Entry & Exit provided on approach road/s: One gate will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5.0 m • Width of all internal roads: 7.5 m 			
17.	Details of Green Building measures proposed.	Maximum use of natural lighting, solar water heaters in each block, solar street lights, LED lighting for common areas, water meters, rainwater harvesting & ground water recharge etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Uttar Gujarat Vij Co. Ltd. • Maximum demand: 800 KVA • Connected load: 1000 KVA • Source: Uttar Gujarat Vij Co. Ltd. • Energy saving measures: Maximum use of natural lighting, solar water heaters in each block, solar street lights, LED lighting for common areas. 			
19.	Fire and Life Safety Measures	Underground fire water tank having capacity of 50 KL, fire water pump, hose reel, fire extinguishers, sprinkler system in basement, fire alarms etc.			
20.	Details on staircase				

	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Lift	Width of the staircase	Travel distance (m)
	A	Basement +HP + 11	675.00	03	06	1.5 m	< 30 m
	B	Basement +HP + 11	415.00	02	04	1.5 m	< 30 m
	C	Basement +HP + 11	270.00	01	02	1.5 m	< 30 m
	D	Basement +HP + 11	360.00	02	04	1.5 m	< 30 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 25 m • No. & dimensions of RWH tank(s) : 03 nos. 2.0 m x2.0 m x 3.0 m • No. and depth of percolations wells :02 Nos. and 20 m • Details on Pre-treatment facilities : Oil & grease removal & filtration. 					
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :360.07 • Area covered by shrubs and bushes (m²): • Lawn covered area (m²):754.07 • Total Green Area (m²):1114.14 • Green Area % of plot area:15.20 • No. of trees and species to be planted: 110 					
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	~ 10 Lacs for green belt development, solid waste & sewage management & disposal.					
24.	Proposed dust control measures during the construction phase	Spraying of water, peripheral barricading , covered shed for cement loading area ,covering the excavated earth with tarpaulin sheet etc.					
25.	Eco friendly building material usage details.	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints.					
26.	Amenities to be provided to construction workers.	Personal Protective Equipments, sanitation facilities, drinking water facility, education aids to the children of construction workers, first aid facilities, calling a doctor once a week, insurance of the workers etc.					

During the meeting, looking to the vicinity of the railway line, the project proponent was suggested to provide sound & vibration proof glasses for windows. After detailed discussion it was decided to consider the project only submission of the following:

1. Realistic details on parking area provision based on the actual open surface available for parking.
2. Layout plan showing two separate gates.
3. Land ownership documents showing the ownership of the land by the applicant.

9.	Residential & commercial building construction project proposed by V2 Realty.	Survey No. 373, Moje: Chala, Tehsil: Vapi District : Valsad	Screening & scoping /appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/3641/2015]															
2.	Type of Project	Residential Cum Commercial Project															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Proposed Residential cum Commercial Project															
5.	Name of Developer	V2 Realty															
6.	Estimated Project Cost (Rs. In Crores)	25 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²) : 11,331 • FSI area (m²): 19,197.79 • Total BUA (m²): 30,799.67 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>19,262.70</td> <td>19,197.79</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>----</td> <td>4,067.84</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td></td> <td>1,151</td> </tr> <tr> <td>Max. building height (m)</td> <td>45 m</td> <td>30.0</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	19,262.70	19,197.79	Ground Coverage (m ²)	----	4,067.84	Common Plot Area (m ²)		1,151	Max. building height (m)	45 m	30.0
	Permissible	Proposed															
FSI Area (m ²)	19,262.70	19,197.79															
Ground Coverage (m ²)	----	4,067.84															
Common Plot Area (m ²)		1,151															
Max. building height (m)	45 m	30.0															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 2 • Scope of buildings/blocks: 1 building – Basement + ground floor (parking & shops) + 9 floors. 1 building – Basement + Hollow plinth + 10 floors. • No. & size of Residential Units: Flats : 116 • No. & type of Commercial Units: 90 • Details of amenities if any: - 															
10.	No. of expected residents / users	522 – from flats 270 – shops/offices															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 16.25 • Source of water: Water tankers • Waste water generation quantity (KL/day): 10.53 • Mode of disposal: Septic tank & soak Pit • Details of reuse of water, if any: 4.0 KL/day for curing 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 89.75 • Source of water: Water supply from Vapi Nagarpalika • Waste water generation quantity (KL/day): 72.13 • Mode of disposal: Vapi Nagarpalika Sewer Line 															
13.	Status of water supply and	Vapi Nagarpalika drainage line and water supply lines are available at site.															

	drainage line																																									
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>600</td> <td>600</td> <td>Greenbelt development</td> </tr> <tr> <td>Other excavated earth</td> <td>11400</td> <td>5160</td> <td>Back filling and internal road development</td> </tr> <tr> <td>Construction debris</td> <td>250</td> <td>235</td> <td>Back filling and internal road development</td> </tr> <tr> <td>Steel scrap</td> <td>7</td> <td>---</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>4</td> <td>----</td> <td>Sold to vendors</td> </tr> </tbody> </table> <p>Remaining construction debris & excavated earth will be used for back filling for the other projects in the vicinity as well as road development outside the premises.</p> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>400</td> <td>Bins within premises.</td> <td>Vapi Nagarpalika</td> </tr> <tr> <td>Wet waste</td> <td>600</td> <td>Bins within premises.</td> <td>Vapi Nagarpalika</td> </tr> <tr> <td>Total</td> <td>~1000</td> <td></td> <td>Bio degradable waste will be disposed into near by bins and non biodegradable waste will be sold to vendors</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: Green bins for bio degradable waste & White bins for non-biodegradable waste. • Capacity and no. of community bins to be placed within premises: ~500 bins 5 litre to 25 litre capacity will be provided within premises. • Landfill site where waste will be ultimately disposed by local authority: Vapi Nagarpalika site. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	600	600	Greenbelt development	Other excavated earth	11400	5160	Back filling and internal road development	Construction debris	250	235	Back filling and internal road development	Steel scrap	7	---	Sold to vendors	Discarded packing materials	4	----	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	400	Bins within premises.	Vapi Nagarpalika	Wet waste	600	Bins within premises.	Vapi Nagarpalika	Total	~1000		Bio degradable waste will be disposed into near by bins and non biodegradable waste will be sold to vendors
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse																																							
Top Soil	600	600	Greenbelt development																																							
Other excavated earth	11400	5160	Back filling and internal road development																																							
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Steel scrap	7	---	Sold to vendors																																							
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Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse																																							
Dry waste	400	Bins within premises.	Vapi Nagarpalika																																							
Wet waste	600	Bins within premises.	Vapi Nagarpalika																																							
Total	~1000		Bio degradable waste will be disposed into near by bins and non biodegradable waste will be sold to vendors																																							
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,602.72 m² • Parking area requirement for residential units as per GDCR: 2,156.60 m² • Parking area requirement for Commercial units as per GDCR: 1,446.12 m² • Parking area requirement as per GDCR for (specify in case of any other):--- • Total number of CPS requirement for the project as per NBC: 164 CPS • Number of CPS requirement for residential units as per NBC: 116 CPS • Number of CPS requirement for commercial units as per NBC: 48 • Total Parking area provided (m²) & No. of ECS: Area – 6,590.71 m² , CPS - 232 • Parking area provided in basement (m²) & No. of ECS: Area – 4,234.71 m² , CPS - 132 • Parking area provided in hollow plinth (m²) & No. of ECS: Area – 463.32 m² , CPS - 17 																																								

		<ul style="list-style-type: none"> • Parking area provided as open surface (m²) & No. of ECS: Area – 1,892.68 m², CPS – 83 						
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24 m on NE side • Number of Entry & Exit provided on approach road/s: 2 gates will be provided. • Width of Entry & Exit provided on approach road/s: 12.0 m and 6.0 m • Minimum width of open path all around the buildings for easy access of fire tender(excluding the width for the plantation): 6.0 m • Width of all internal roads: 9.0 m and 6.0 m 						
17.	Details of Green Building measures proposed.	Maximum use of natural light through architectural design, use of energy efficient motor and pumps, maximum use of aerated blocks, use of LED & low voltage lighting, solar lighting in open and landscape areas, rooftop thermal insulation etc.						
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 1200 KVA Connected load:---- • Source: DGVCL • Energy saving measures: Maximum use of natural light through architectural design, use of energy efficient motor and pumps, maximum use of aerated blocks, use of LED & low voltage lighting, solar lighting in open and landscape areas, rooftop thermal insulation etc. • DG Sets: No. and capacity of the DG sets: 1 X 125 KVA Fuel & its quantity: HSD 25 litre/hr 						
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Fire extinguishers, Hose reel, down comer, manually operated electric fire alarm system, automatic sprinkler system (basement only), terrace tank of 25 KL, pump capacity at the terrace tank level with minimum pressure of 2.0 kg/cm²- 900 lit/min. • Name of the nearest fire station: Vapi Fire Station Distance from the project site: About 2.6 Km Time required by the fire tender to reach the project site: 15 minutes 						
20.	Details on staircase							
	Type & no. of buildings	No. of floors	Floor area	Height in m	No. of staircase		Width of the staircase	Travel distance (m)
	A	B + G + 9	3,604.52	30	Basement	3	1.5	24
GF to 1st					4	1.5		
2nd to 9th					6	1.5	<30	
	B	B + P + 10	463.32	30	1		1.5	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: ---- • No. & dimensions of RWH tank(s) : ---- • No. and depth of percolations wells: 3 nos. • Details on Pre-treatment facilities : Desilting cum filter chamber. 						
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 300 • Area covered by shrubs, bushes and lawn (m²): 851 • Total Green Area (m²): 1151 • Green Area % of plot area: 10 						

		<ul style="list-style-type: none"> No. of trees and species to be planted: 200 in premises and 300 trees will be planted and maintained near the vicinity of site in association with Vapi Nagarpalika
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	-----
24.	Proposed dust control measures during the construction phase	Dust suppression by spraying of water, peripheral barricading the project site, covering the construction material during transportation and storage, compaction of soil during various construction activities
25.	Eco friendly building material usage details.	Fly ash bricks/fly ash blended concrete blocks, fly ash paving blocks.
26.	Amenities to be provided to the construction workers.	Sanitation & drinking water facility for labor and staff member will be provided at site. Welfare facilities will be provided as per Gujarat Building and other Construction Workers Rules
27.	Documents related to land possession.	Copy of N.A order submitted shows that the land for residential & commercial use is in the name of partners of V-2 Agro, a partnership firm. Copy partnership deed has been submitted.

During the meeting, they have submitted a copy of letter obtained from Vapi Nagarpalika for provision of water supply, drainage connection & municipal solid waste collection facility. After detailed discussion, it was decided to consider the project only after submission of the following:

- Status of water supply & drainage lines in the area. Details on Sewage Treatment Plant, pumping station, final disposal point of sewage by Vapi Nagarpalika etc. should also be submitted.
- Detailed Environment Management Plan with respect to various environmental attributes- Water, Air, Noise, Solid wastes including Hazardous Wastes, land etc. of the project both during construction and operation phase and strategy for its implementation with financial outlay.

10.	Vandematram Mahadev Cubix	Survey No.172/1, F.P.No.172/1, T.P.S.No. 24, Ghodasar (Maninagar), Ahmedabad.	Screening & scoping / appraisal.
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Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/3783/2015]
2.	Type of Project	Commercial project
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the Project	Vandematram Mahadev Cubix (old name : Skywalk Commercial Centre)
5.	Name of Developer	Mr. Sharad Harishbhai Patel
6.	Estimated Project	45 Crore

	Cost (Rs. In Crores)																
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction work has been initiated at site.															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²):- 4,412 m² FSI area (m²):- 15,872 m² Total BUA (m²):- 27,581.51 m² <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m2)</td> <td>15,883.20</td> <td>15,872</td> </tr> <tr> <td>Ground Coverage (m2)</td> <td>----</td> <td>2,342.13</td> </tr> <tr> <td>Common Plot Area (m2)</td> <td>441.2</td> <td>445.3</td> </tr> <tr> <td>Max. Building Height (m)</td> <td>45</td> <td>44.9</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m2)	15,883.20	15,872	Ground Coverage (m2)	----	2,342.13	Common Plot Area (m2)	441.2	445.3	Max. Building Height (m)	45	44.9
	Permissible	Proposed															
FSI Area (m2)	15,883.20	15,872															
Ground Coverage (m2)	----	2,342.13															
Common Plot Area (m2)	441.2	445.3															
Max. Building Height (m)	45	44.9															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:- 1 Scope of Building: 2 level basement + ground floor + 13 floors. No. & size of Residential Units: Not Applicable No. & Type of Commercial Units:- 248 Commercial Units Details of Amenities if any:--- 															
10.	No. of expected residents / users	Fixed population considered for the project: 1,240 Persons Floating population considered for the project: 3,720 Persons/day															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):- 18 Source of water:- Local water tanker suppliers Waste water generation quantity (KL/day):- 6 Mode of disposal:- Septic tank / Soak pit system Details of reuse of water, if any:- None 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day):- 80.5 Source of water: Water supply from Ahmedabad Municipal Corporation Waste water generation quantity (KL/day): 64.0 Mode of disposal:- Waste water will be discharged into the drainage system of Ahmedabad Municipal Corporation. 															
13.	Status of water supply and drainage line	The existing water supply & drainage connection is adjacent to the project site. We will be getting water supply & drainage connection after getting the B.U. permission.															
14.	Solid Waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation</th> <th>Quantity to be reused</th> <th>Mode of Disposal/Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>7,535 m³</td> <td>7,535 m³</td> <td>Development of greenbelt.</td> </tr> <tr> <td>Other Excavated Earth</td> <td>22,615 m³</td> <td>22,615 m³</td> <td>Levelling low lying areas and development of green belt area at proposed site itself.</td> </tr> </tbody> </table>		Generation	Quantity to be reused	Mode of Disposal/Reuse	Top Soil	7,535 m ³	7,535 m ³	Development of greenbelt.	Other Excavated Earth	22,615 m ³	22,615 m ³	Levelling low lying areas and development of green belt area at proposed site itself.			
	Generation	Quantity to be reused	Mode of Disposal/Reuse														
Top Soil	7,535 m ³	7,535 m ³	Development of greenbelt.														
Other Excavated Earth	22,615 m ³	22,615 m ³	Levelling low lying areas and development of green belt area at proposed site itself.														

		Construction Debris	370 m ³	370 m ³	Levelling roads, pavements, plot filling, plinth filling etc.
		Steel Scrap	1.8 MT	--	To be sold to scarp dealer
		Discarded packing Materials/ Bags	1,70,000 Bags	--	To be sold to authorized vendor.
	Solid Waste Management	Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	397 kg/day	31 Nos. of bins of 80 litre capacity will be provided for collection of waste.	Will be regularly collected by AMC for disposal
		Wet waste			
		<ul style="list-style-type: none"> • Details of segregation if to be done: Not to be done • Capacity and no. of community bins to be placed within premises: • Total 31 Nos. each of 80 litre capacity • Landfill site where waste will be ultimately disposed by local authority: at the nearest MSW collection point of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 7,936 m² • Parking area requirement for commercial units as per GDCR: 7,936 m² • Total number of CPS requirement for the project as per NBC: 317 CPS • Number of CPS requirement for commercial units as per NBC: 317 CPS • Total parking area provided (m²) & No. of ECS: 7,256.2 m² & 336 CPS • Parking area provided in basement (m²) & No. of ECS: 2,969.1 m² & 93 CPS (Basement – 1) and 3,038.63 m² & 95 CPS (Basement – 2) i.e total 188 CPS. • Parking area provided as open surface (m²) & No. of ECS: 806.01 m² & 35 CPS • Parking area provided (at any other place-specify) (m²) & No. of ECS: 442.39 m² (common plot area) & 20 CPS. • Parking area provided as mechanical parking in basement-1 (m²) & No. of ECS: 2,969.1 m² & 93 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m & 18 m wide roads. • Number of Entry & Exit provided on approach road/s: Three gates, including one gate for entry/exit into basement, will be provided. • Width of Entry & Exit provided on approach road/s: 6 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads: 3 m 			

17.	Details of Green Building measures proposed.	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, solar lights in common sunlit areas, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash, rainwater harvesting by recharging the ground water table with provision for percolation wells, PVC electrical boards, aluminium window frame & marble door frame instead of wood, Rainwater harvesting by recharging the ground water table with provision for 2 percolation wells, maximize the use of light colours in the building envelope - to reduce heat absorption and associated cooling requirements etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: During Construction: 50 kW During Operation: 1.5 MW • Source: M/s. Torrent Power Limited (TPL) • Energy saving by Non-conventional Methods: • Energy saving measures: Use of solar lighting in common sunlit areas, maximum use of LED lights in each block, use of variable frequency drives motors to optimize power consumption, the individual building block has been oriented so as to have maximum natural daylight as well as ventilation, use of building material having lower U-value and the insulating material having higher R-value to have optimum energy performance, maximize the use of light and silent colours in the building envelope so that UV absorption is reduced and associated cooling requirements are minimized. • D.G. Sets: Not proposed.
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Nearest fire station is Jasodanagar-Maninagar fire station approx. (1.4 km).Time required for the fire tender to reach at the project site is 5-10 minutes. • During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practice, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. • During the operation phase: Fire extinguishers of CO2 type (4.5 kg) and DCP type (5 kg) will be provided on each floor, hose reels, wet rises, yard hydrants, automatic sprinkler system in entire building, manually operated electric fire alarm system, automatic detection and alarm system, underground water tank of 200 KL capacity, terrace water tank of 30 KL, two electric and one diesel pump of capacity 2,850 litre per minute and one electric pump of capacity 180 litre per minute will be provided.

20.	Details on staircase																									
	<table border="1"> <thead> <tr> <th>No. of Floors</th> <th>Floor Area</th> <th>No. of Staircase</th> <th>Width of the Staircase</th> <th>Travel Distance</th> <th>No. of Lifts</th> </tr> </thead> <tbody> <tr> <td>Gr. Floor</td> <td>1,535 m²</td> <td>4</td> <td>1.5 m</td> <td>23 m</td> <td>8</td> </tr> <tr> <td>1st Floor to 2nd Floor</td> <td>1,839 m²</td> <td>4</td> <td>1.5 m</td> <td>23 m</td> <td>8</td> </tr> <tr> <td>3rd Floor to 13th Floor</td> <td>969 m²</td> <td>2</td> <td>1.5 m</td> <td>23 m</td> <td>4</td> </tr> </tbody> </table>	No. of Floors	Floor Area	No. of Staircase	Width of the Staircase	Travel Distance	No. of Lifts	Gr. Floor	1,535 m ²	4	1.5 m	23 m	8	1 st Floor to 2 nd Floor	1,839 m ²	4	1.5 m	23 m	8	3 rd Floor to 13 th Floor	969 m ²	2	1.5 m	23 m	4	
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the ground water table: 100 m • No. & dimensions of RWH tank(s) : --- • No. and depth of percolations wells : 2 Nos., 40 m depth • Details on Pre-treatment facilities :Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month. 																								
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 235 • Lawn covered area (m²): --- • Total Green Area (m²): 235 • Green Area % of plot area: 5.4 % • No. of trees and species to be planted: 60 trees of local species such as Asopalav, Jamun, Gulmohar etc. will be preferred. 																								
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 5 lacs & Rs. 8 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase respectively.																								
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, tarpaulin sheet cover on the material during the transportation, maximum use of Ready Mix Concrete (RMC), uniform piling of sand and proper storage to avoid dusting.																								
25.	Eco friendly building materials	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash.																								
26.	Facilities to be provided to the construction workers	Sanitation facilities, drinking water, municipal solid waste collection facility etc.																								
27.	Documents related to land possession.	Village form no. 7 shows land in the name of applicant & others. Copy of letter from District Collector office informing the project proponent to pay necessary charges for N.A procedure has been submitted.																								

During the meeting, the project proponent was suggested to provide two separate ramps for basement. It was presented that Mechanical air extractors for smoke venting will be provided, which permits 30 air

changes per hour in case of a fire or distress call, provision of ventilator openings each having a size of 0.5 m x 0.5 m for ventilation as well as natural skylight arrangement in the basement, ramps as well as basement area will be illuminated to the extent of 30 Lux, light colour will be used to paint the basement wall to allow higher illumination in the basement, CO sensors with an associated alarm system will be provided in the basement parking area. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Explore the possibility of providing two separate ramps for basement with revised layout plan of the same.
2. Explore the possibility of increasing the parking area provision for the project so as to meet with the parking requirement of NBC norms as well as GDCR.
3. Details on the permissible FSI & ground coverage for the proposed project along with the supporting documents / permission from the concerned competent authority for the proposed FSI & Ground coverage.
4. Details on provision of ventilation & natural lighting in the proposed commercial units.

11.	Vishwamitri Riverfront Development	Various survey numbers of villages Kotali, Harni, Vamli, Sama & Nagarvad, Dist: Vadodara.	Screening & scoping
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Vishwamitri river front is taken up for development of the River by Vadodara Municipal Corporation. The proposed river front development project is divided as five different stretches which starts from National Highway no. 8 to ring road. Average width of Vishwamitri river is 15 – 45 m (approx.). Estimated project cost is Rs.1500 crores. The total proposed area for the project is 1093.0 Ha. The project falls under the project / activity 8(b) as per the schedule of the EIA Notification, 2006.

During the meeting while discussing about the population of crocodiles & related issues, it was presented that since the River is already suitable habitat for crocodile, activity of crocodile will be confine to particular stretch to avoid wildlife- human being conflict. Crocodile habitat is Confined in the Sayaji Baug branch of Vishwamitri River. The widening of the flood diversion branch and integration with the main course of the river will allow the Sayaji Baug branch to be used for crocodile habitat. Construction of gates at the two ends will help confine the crocodiles in the designated area and also be useful for maintaining quality and level of water in the habitat. Further it was presented that there are slum encroachments at several locations along the river. These slums lack basic infrastructure and are vulnerable to monsoon floods. Almost 10164 nos of hutments will need to be rehabilitated. Primary source of water for the proposed river front development will be rain water, treated water from STPs and other river's water like Vadodara Narmada branch canal or Mahi river.

Main objectives of the proposed river front development are mentioned below:

1. Reducing High Flood Level
2. Clean the river and make it Pollution free
3. Retain/ Replenish water
4. Create a safe habitat of crocodiles
5. Integrate slum improvements
6. Preserving the natural ecology of the river
7. Create public and recreational spaces
8. Strengthen the river edge
9. Improve accessibility and connectivity

During the meeting, the project proponent along with their expert consultant attended the meeting and they were asked not to start any kind of construction activity at the project site without obtaining Environmental Clearance from SEIAA Gujarat. It was presented that they have already carried out baseline study during the winter 2016 and requested to allow them to use the same for the preparation of the EIA report. The request was considered by the committee and after detailed discussion the following additional TOR were prescribed for the EIA study to be done in addition to the TOR proposed by them.

1. Detailed Project Report of the proposed river front development project authenticated by the concerned authority with complete scope, component wise description and design parameters (structural as well as hydraulic) along with the basis considered for the same & approved by the concerned authority/ies. Details on repair & renovations, Resettlement & Rehabilitation plan, monitoring & evaluation with budgetary provisions, operation & maintenance, responsible agencies etc. should also be included.
2. List of the permissions required to be obtained for the proposed river front development outside & within the river body, details on the concerned authorities like ULB, Water Resources department, Urban development department, Revenue department, Forest department, Archeological department, Irrigation department and other departments from which the approval already sought or to be sought, details on status of all these permissions along with the copies of permissions obtained / correspondences made in this regard. Copies of reports of the various studies carried out for obtaining all these permissions.
3. Photographs showing the current status of the project & undertaking stating that the construction activity of the project will be initiated only after getting Environmental Clearance from the SEIAA Gujarat.
4. Copy of DILR map showing the river boundary and a map showing the boundaries of the proposed project superimposed on the DILR map.
5. Details of final approved, allotted land for the proposed river front development & associated facilities with exact survey numbers. Land ownership documents for the proposed project area including river basin, areas to be reclaimed, areas to be refurbished etc. with the copies of permission obtained from revenue department / concerned authorities. Details on land acquisition (private, forest, government), if required, along with the supporting documents like procurement plan, revenue records, correspondences made with land owner/concerned department and/or permissions obtained from concerned authorities in this regard.
6. Alternative site analysis for the proposed project and justification for selection of the present site based on the pros & cons of various alternatives with technical reasons including the likely impacts of the proposed activities on surrounding environment.
7. Maps & plans approved by the concerned authorities for each type of activity and component of the project.
8. Are all mapping, site & soil investigations approved in accordance with the Indian Regulation and best practices?
9. Details on the agency/authority proposing & owning the proposed riverfront development project who will be responsible for the compliance of the conditions stipulated in the Environmental Clearance order. Details on the agencies/developers/contractors/consultants associated with the proposed project of river front development along with the supporting documents like copies of agreements/MOUs made with them.
10. Phase wise project implementation details in terms of site development, infrastructure provision, EMS implementation etc. along with bar chart.

11. Baseline studies for one season to be conducted for the study area which include project area and area of upto 1.5 km on both sides of river boundaries.
12. One season site-specific meteorological data including temperature, relative humidity, hourly wind speed & direction and rainfall shall be provided
13. Ambient Air Quality data to be given along with the dates of monitoring. The parameters to be covered shall include PM₁₀, PM_{2.5}, SO₂, NO_x & CO. The location of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors including reserved forests, if any. There should be at least one monitoring station in the upwind direction. There should be at least one monitoring station in the pre dominant downwind direction at a location where maximum ground level concentration is likely to occur.
14. Impact of the project on the AAQ of the area. Details of the model used and the input parameters used for modelling should be provided. The air quality contours may be plotted on a location map showing the location of project site, habitation, sensitive receptors, if any. The wind roses should also be shown on this map.
15. A map of the study area delineating the major topographical features such as land use, drainage, locations of habitats, environmental sensitive areas, major constructions including roads, railways, pipelines, properties archeologically importance, industries if any in the area are to be mentioned.
16. Land use map of the study area based on high resolution satellite imagery delineating the forest, agricultural land, water bodies, settlements, and other cultural features. Details of change / creation in land use / land cover due to the proposed project.
17. Location map of the proposed project. The project layout should be superimposed on contour map of ground elevation showing main project features.
18. Project site specific details such as distance of the project site from the nearest (1) Village (2) Water Body: Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway (4) State Highway (5) Railway line (6) Heritage site (7) National Park / Wild Life Sanctuary and likely impact on them due to the proposed project along with the mitigation measures proposed to minimize the likely impact.
19. Details of site topography along with the contour plan of the project area, land use & land cover mapping, drainage pattern and map of the river catchment up to the proposed project site, gradient & gentle slope of the river, soil map of the study area, geological & seismotectonic maps of the study area.
20. Baseline data on geological and geophysical aspects which should include details of geography & physiography of the project area, regional geology & geological features around the project area, structure of the catchment, seismicity, tectonics and history of past earthquakes in the area.
21. Impact of the project on geological environment of the area, river bank & their stability and details regarding changes in land use, topography & drainage pattern, changes in land quality including effects of waste disposal, impact due to submergence (if any) should be furnished.
22. Details of seismic zone of the project area and design aspects required to be adhered to as per national standards.
23. Detailed study report, endorsed by the National Institute of Hydrology, on the hydrology of the basin including water availability for the project, sedimentation rate, design discharge & its recurrence interval, ground & surface water quality in terms of physical, chemical & bacteriological parameters, soil

characteristics in terms of physical & chemical parameters, flood carrying capacity, check dams etc.

24. Assessment of effect of changes in hydrological balance, expected changes in water quality in the project area as a result of upstream water- regulatory works (i.e. reduced flow, temperature, dissolved salts, sediment load etc.), alteration of water flow downstream, assessment of effects of planned activities on run-off and sediment load of the river.
25. Broad details on aquatic life of the river.
26. Details on population of crocodiles in the river & their control plan, their habitats, number of attacks by crocodiles & mitigation plan for the same in future, details on crocodile park, if any, in order to confine their population in particular areas etc.
27. Details regarding the river meandering pattern and stability of land forms.
28. Details on the highest of the high flood level of river Vishwamitri recorded in the past at various places along the river & in project area.
29. How it will be ensured that the natural river flow & ecological water need will be maintained.
30. Existing natural drainage pattern of the project site, elevation of the project area with reference to the highest of the high flood level of river Vishwamitri and measures proposed to prevent flooding of the flood prone areas and project area in the rainy season.
31. Layout plan of the project starting from the origin point to the end point, perspective view of the project and its components.
32. Positive as well as negative impacts of the proposed development on the river during construction & operation phase of the project as well as due to project design. Details on the mitigation measures proposed to avoid negative impacts on the river during construction & operation phase of the project and the agency / team responsible for its compliance.
33. Positive as well as negative impacts (direct / indirect, temporary / permanent) of the proposed river front development on the surrounding environment, people in the project area & their livelihood, structures located in the project area, cultural properties located along the river & in project area, river water quality, river basin, socio-economy, ecology & biodiversity of the river etc. In case of negative impacts, mitigation/ protection plans should also be submitted.
34. Assessment of the overall project benefits like improvements in physical & social infrastructure, employment potential (skilled, semi-skilled & unskilled persons), other tangible benefits etc. should be detailed out in the EIA report.
35. Details on existing river water quality in terms of physico-chemical as well as bacteriological parameters and measures proposed under the proposed river front development project for further improvement of the river water quality. Details on sampling locations, number of samples collected, methods of analysis etc. should also be mentioned.
36. Details on check dams i.e their number, locations, design aspects with the basis considered, structural strength etc.
37. Impact of the proposed project on water environment in terms of changes in surface & ground water quality, sedimentation of reservoir, impact on fish fauna & other aquatic life, impact of sewage disposal during construction as well as post construction period.

38. Details of the management of the run off / rainwater flowing through the existing natural drain / nallah / streams within the project area if any. Impacts on the surface hydrology pattern due to the proposed project. Details of measures proposed to ensure that natural drainage of the site will not be obstructed / disturbed and measures proposed to protect existing natural drain / nallah / streams within the project area.
39. Details on sedimentation rate on upstream and downstream of the project. Details on desilting / dredging along with its impacts and mitigation measures.
40. Details on the possibility of soil erosion and adoption of various erosion control (soil conservation) measures.
41. Exact details on activity wise components/buildings (like STPs, walkways, parks & gardens, restaurants, food courts, exhibition centers, game zone, check dams, bridges etc.) to come up in the project. Height of the buildings to come up in the project.
42. Break up of FSI area, built up area of the project, component wise plan & area statement.
43. Details on objectives of the project and detailed action plan to meet them.
44. Details on component & activity wise built up area, water requirement & source of availability, power requirement, parking requirement, waste generation (sewage, MSW, hazardous waste, food waste, plastic waste etc.), its management, treatment & disposal etc. during the normal days as well as during the peak load at the time of holidays & festivals should be detailed out in the EIA report. Permission of concerned authorities for water supply, power supply and waste disposal.
45. Details of the STPs with their capacity, size of each unit, their locations on the plan and their adequacy. Measures proposed to prevent odour nuisance due to the STP operations.
46. Detailed parking plan showing accommodation of two wheelers and four wheelers, its adequacy for the project and norms adopted for the calculations. The details shall include the parking requirement on the basis of footfalls, as per present GDCR and National Building Code (NBC) guidelines for each individual component of the project. Mark the area of parking on the drawing showing the parking.
47. Base line status of the existing traffic, impact on it due to the project activities (prior to construction, during construction and at full site operation), carrying capacity of the existing roads and details of traffic management in and outside the project during construction and operation phase of the project.
48. Details on the existing access & exit routes and the measures proposed to improve existing access & exits (e.g promotion of underutilized access routes, surface road widening, pedestrianization of local areas etc.). Details on proposed access & exit routes, carrying capacity of the proposed project, availability of local transport, crowd management on site(e.g. policing during the festivals etc.), parking management during the normal days as well as during holidays & festivals, details on possible safety hazards & proposed safety measures along with the adequacy of the same.
49. Data pertaining to water (physico-chemical & biological parameters), air and noise environment and likely impacts during construction and post construction periods.
50. Impact of DG Sets' emissions used for construction power if any, on air environment.
51. Changes in ambient levels of noise due to noise generating equipments, movement of vehicles during construction & post construction periods and effect thereof on fauna and human health.
52. Details of dust suppression measures proposed during the construction period. Noise mitigation measures

during construction activity from the proposed activity.

53. Details on the existing drains (domestic, industrial & others) joining the river and how the drains will be managed after the proposed development.
54. Details of soil excavation / filling required for the project along with its quantification based on backup calculations. Details with respect to proposed use / disposal of excavated soil. Plan for management, use and disposal of construction debris including excavated materials during the construction phase.
55. Details of top soil management plan during construction phase. If the topsoil is proposed to be preserved, the details relating to the quantity of topsoil stored, demarcated area on plan where it is stored along with preservation plan is to be given.
56. Detailed Environment and Social Management Plan with respect to various environmental attributes- Water, Air, Noise, Solid wastes including Hazardous Wastes, land etc. of the project both during construction and operation phase and strategy for its implementation with financial outlay. Details on the agencies / entities responsible for the same. Details of monitoring / supervision cell to monitor environmental aspects during construction phase as well as operation phase including provision of qualified person.
57. Base line ecological status. In case of any scheduled fauna, conservation plan should be provided.
58. Detailed survey of endangered species including their habitat, if any in the study area, impacts of the proposed project on the same along with mitigation measures and conservation measures like proposal for creating wetland patches, artificial nests etc. in the project.
59. Details of existing trees to be protected / preserved / transplanted / removed. Detailed green belt development plan as per the CPCB guidelines, including area of tree plantation, its demarcation on the map, number and types of trees and budget allocation thereof. Also provide the break-up of the greenbelt viz. the tree covered and lawn covered area.
60. Details of first aid / fire fighting and other emergency services to be provided during construction phase and operation phase including the training to be provided to the residential staff of the project as first aid providers, fire fighters etc.
61. Details on common amenities like toilet blocks, drinking water facility, bins for collection of food waste & municipal solid waste, telephone booths, first aid kits etc. to be provided during the operation phase of the project.
62. Baseline data on socio-economic aspects in the study area including details of human settlements, demographic & ethnographic profile, economic structure, development profile, agricultural practices, cultural & aesthetics sites, existing infrastructural facilities for social welfare including education, health & hygiene, communication, sources of livelihood, job opportunities etc., information regarding sensitive habitat of historical, cultural & religious and ecological importance.
63. Impact on socio-cultural and ethnographic aspects due to the proposed project. Impact on the socio economic aspects and local community including changes in demographic & economic status, impact on human health, impact due to increased traffic load, impact on holy places & tourism.
64. Detailed R&R plan with data on the existing socio-economic status of the population in the study area and broad plan for resettlement of the displaced population, site for the resettlement colony, alternative livelihood concerns/employment for the displaced people, civil and housing amenities being offered etc. and the schedule of the implementation of the project specific R&R Plan, if any, is to be given. Details of

budgetary provisions (capital & recurring) for the project specific R&R Plan.

65. Details of disaster management plan during operation phase of the project which should include scenario like earth quake, floods and natural calamities etc. in addition to other disasters. The plan should include the details of (i) Emergency lighting plan (ii) details of power back up system in the case of emergency (iii) fire fighting arrangements (iv) first aid arrangement (v) training and mock drill (vi) emergency announcement system (vii) signages etc.
66. The details of the basic amenities and welfare facilities to be provided to the construction workers to ensure that they do not ruin the existing environment.
67. Details of safety measures proposed for the construction workers including provision of personal protection equipment. Details of registration and provisions to be made by the project proponent to follow Building and other Construction Workers Acts and Rules and undertaking for the same.
68. Details on use of eco-friendly building materials including fly ash bricks, fly ash paving blocks, RMC etc.
69. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Measures proposed to comply with the ECBC norms / other international norms proposed for energy conservation.
70. Scheme for rain water harvesting and ground water recharge with proper scientific calculations considering rainfall in the region, catchment area, land / soil characteristics, ground water recharge rate, duration of rain water harvesting etc. Details of provisions of pre-treatment of the rainwater in the case of surface run off is to be harvested. Location of recharge structures on the layout plan.
71. Any litigation(s) pending against the proposed project and / or any directions or orders passed by any court of law/any statutory authority against the project is to be detailed out.
72. A tabular chart with index for point-wise compliance of above mentioned TORs.

The project shall be appraised only after submission of the EIA report (terrestrial & river basin) & SIA report covering the above mentioned additional TOR in addition to all the relevant information as per the generic structure of EIA given in Appendix III in the EIA Notification, 2006 as well as standard Terms of Reference mentioned in the MoEFCC's EIA guidance manual for Building, Construction, Township & Area Development project.

12.	Shyam Sangini 2-C	Block No. 34/P+35 ,O.P. No. 178+ 179, F.P. No - 178+179, T.P.S. No. 35 (Kumbharia - Saroli - Sania Hemad - Devadh), Moje Kumbharia Dist - Surat.	Screening & scoping/ appraisal
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No	Particulars	Details
1.	Proposal is for	New Project [Proposal no.SIA/GJ/NCP/33073/2015]
2.	Type of Project	Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	ShyamSangini 2-C Warehouse textile market project
5.	Name of Developer	Mr. Vikas Hasmukhbhai Ahir Mr. Dineshbhai Ranchodbhai

6.	Estimated Project Cost (Rs. In Crores)	Rs. 70 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 15,054.0 FSI area (m²): 59,789.40 Total BUA (m²):88,768.56 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>60,216.0</td> <td>59,789.40</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>7,527.0</td> <td>6,602.14</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,952.21</td> <td>1,952.21</td> </tr> <tr> <td>Max. building height (m)</td> <td>65</td> <td>53.6</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	60,216.0	59,789.40	Ground Coverage (m ²)	7,527.0	6,602.14	Common Plot Area (m ²)	1,952.21	1,952.21	Max. building height (m)	65	53.6
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Common Plot Area (m ²)	1,952.21	1,952.21															
Max. building height (m)	65	53.6															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:1 No. of Blocks:1 Scope of buildings/blocks: 2 level basement + ground floor + 9 floors. No. & size of Residential Units:--- No. & type of Commercial Units: 812 nos. of storage type warehouses. Details of amenities if any: 															
10.	No. of expected residents / users	3654															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 30.0 Source of water: water supply from Kumbhariya Gram Panchayat Waste water generation quantity (KL/day): 2.28 Mode of disposal: Details of reuse of water, if any: Soak Pit 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total water requirement (KL/day): 165.0 Fresh water requirement (KL/day): 65.0 Source of water: water supply from Kumbhariya Gram Panchayat & packaged drinking water supplier Waste water generation quantity (KL/day): 130.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening & flushing within premises and it is proposed to reuse remaining quantity of treated sewage for irrigation purpose outside the premises or to discharge into the drainage line of the gram panchayat. In case of STP provision, capacity of STP: - 200 KL/day STP Technology: - FMR technology Purposes for treated water utilization: Flushing & gardening. Quantity of treated water to be reused:1.Gardening (KL/day): 5.0 2. Flushing (KL/day): 95.0 Provision of dual plumbing system (Yes/No): -Yes Quantity and type (treated/untreated)of sewage to be discharged: Treated sewage will be reused for flushing & gardening purpose within premises after treatment in STP and excess treated sewage will be discharged in to drainage line of Kumbhariya gram panchayat or given to nearby farmers for agriculture purpose. Mode of disposal: as above. 															

13.	Status of water supply and drainage line	---																														
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>5,523.5</td> <td>800</td> <td>800 m³ of excavated top soil will be utilized for greenbelt development 4,723.5 m³ of Top Soil will be utilized for back filling</td> </tr> <tr> <td>Other excavated earth</td> <td>88,817.88</td> <td>347.7</td> <td>347.7m³ of excavated soil will be utilized for back filling within site. Excess soil of will be utilized at other project site after obtaining necessary permission, if any.</td> </tr> <tr> <td>Construction debris</td> <td>15kg/day</td> <td rowspan="3">Nil</td> <td rowspan="3">Sold off to recyclers/ vendors.</td> </tr> <tr> <td>Steel scrap</td> <td>15kg/day</td> </tr> <tr> <td>Discarded packing materials</td> <td>6kg/day</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>696 kg/day</td> <td rowspan="2">Into separate bins to be provided within premises.</td> <td rowspan="2">Final disposal at Khajod Disposal Site</td> </tr> <tr> <td>Wet waste</td> <td>400 kg/day</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins will be provided for dry and wet waste for each unit • Capacity and no. of community bins to be placed within premises:1 bin having capacity of 700 kg for dry waste and 1no of 400 kg for wet waste will be provided to building. • Landfill site where waste will be ultimately disposed by local authority: Khajod disposal site 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	5,523.5	800	800 m ³ of excavated top soil will be utilized for greenbelt development 4,723.5 m ³ of Top Soil will be utilized for back filling	Other excavated earth	88,817.88	347.7	347.7m ³ of excavated soil will be utilized for back filling within site. Excess soil of will be utilized at other project site after obtaining necessary permission, if any.	Construction debris	15kg/day	Nil	Sold off to recyclers/ vendors.	Steel scrap	15kg/day	Discarded packing materials	6kg/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	696 kg/day	Into separate bins to be provided within premises.	Final disposal at Khajod Disposal Site	Wet waste	400 kg/day
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Dry waste	696 kg/day	Into separate bins to be provided within premises.	Final disposal at Khajod Disposal Site																													
Wet waste	400 kg/day																															
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 29,894.7 m² • Parking area requirement for Commercial units as per GDCR: 29,894.7 m² • Total number of CPS requirement for the project as per NBC :240 • Number of CPS requirement for commercial units as per NBC: 240 																														

		<ul style="list-style-type: none"> Total Parking area provided (m²) & No. of CPS: 30,028.09 m² and 987 CPS Parking area provided in basement (m²) & No. of CPS: 20,414.36 m² and 638 CPS Parking area provided as open surface (m²) & No. of CPS: 3,896.74 m² and 170 CPS Parking area provided (Mechanical Parking) (m²) & No. of CPS: 5,716.99 m² and 179 CPS 												
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads:45 m wide TP road. Number of Entry & Exit provided on approach road/s: Two gates will be provided. Width of Entry & Exit provided on approach road/s:7.5 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation):5 m Width of all internal roads: 7.5 m & 9.0 m. 												
17.	Details of Green Building measures proposed.	Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting & ground water recharge, maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.												
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand:4000 KW Connected load:4100 KW Source:DGVCL Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. DG Sets: No. and capacity of the DG sets:5 × 132 KVA Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency 												
19.	Fire and Life Safety Measures	Fire extinguishers at each floor, hose reel at each floor, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 25 KL, underground fire water storage tank of 200 KL, smoke detectors, fire sprinklers etc.												
20.	Details on staircase													
	<table border="1"> <thead> <tr> <th>Type & no. of buildings</th> <th>No. of floors</th> <th>Floor area (m²)</th> <th>No. of staircase</th> <th>Width of the staircase</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9</td> <td>5,978.94</td> <td>9</td> <td>2.01 m</td> <td>Less than 30 m</td> </tr> </tbody> </table>	Type & no. of buildings	No. of floors	Floor area (m ²)	No. of staircase	Width of the staircase	Travel distance (m)	1	9	5,978.94	9	2.01 m	Less than 30 m	
Type & no. of buildings	No. of floors	Floor area (m ²)	No. of staircase	Width of the staircase	Travel distance (m)									
1	9	5,978.94	9	2.01 m	Less than 30 m									
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 19 m No. & dimensions of RWH tank(s) :- No. and depth of percolations wells :4 Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 												
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) :600 												

		<ul style="list-style-type: none"> • Area covered by shrubs and bushes (m²): 250 • Lawn covered area (m²): 400 • Total Green Area (m²): 1,250.0 • Green Area % of plot area: 7 % • No. of trees and species to be planted: 350
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<ul style="list-style-type: none"> • Green belt development : 60Lacs • Drainage and rain water harvesting: 50 lacs • Sewage treatment plant: 200 Lacs • Solar and energy saving: 30Lacs • Total: 340Lacs
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporary wind screen around project site, sprinkling of water on roads and in vicinity of storage area.
25.	Eco friendly building material usage details.	Fly ash brick, aerated block, paving block, RMC (Ready Mix Concrete), lead free paints etc.
26.	Details of the amenities to be provided to the construction labours.	Sanitation facilities, tap water & drinking water, domestic sewage disposal facility, first aid box, free medicine, doctor service, adequate PPEs etc.
27.	Documents related to land ownership.	Village form no. 7/12 for both the block numbers in the name of applicants. Copy of application made for obtaining N.A permission has been submitted.

During the meeting, it was presented that they have obtained NOC from Airports Authority of India for building height of 80.0 m above the ground level. After discussing various aspects of the project in detail, it was decided to further appraise the project only after submission of the following:

1. Status of availability of water supply & drainage connection to the project with supporting documents. Details on source of availability of water to the gram panchayat, details of pumping station, STP, final disposal point of sewage by the gram panchayat.
2. Treated sewage management plan during the monsoon season.
3. Details on the FSI available to the project along with the copy of permission obtained from the concerned competent authority for the proposed FSI.
4. Details on provision made for natural ventilation & lighting arrangements in basement as well as in the proposed commercial units.
5. Details on provision to be made for minimum fire water storage based on the fire study.
6. Type of activities to be carried out in the proposed commercial units. Undertaking stating that no any kind of manufacturing activity shall be allowed in the commercial units of the proposed project and they will not sold / allot any commercial unit for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.

13	Housing project by Mr. Rameshbhai Dhanjibhai Kabariya	Block No. - 123, O.P. No. - 111, F.P.No. 111, Paiky Sub Plot- 4, T.P.S. No. - 69 (Godadara - Dindoli), Surat.	Screening & scoping/ appraisal
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No	Particulars	Details															
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/33072/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Affordable Housing Project															
5.	Name of Developer	Mr.Rameshbhai Dhanjibhai Kabariya															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 80 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 7,198.0 • FSI area (m²): 18,312.42.0 • Total BUA (m²):30,278.98 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>21,485.89</td> <td>18,312.42</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>3,238.62</td> <td>3,019.41</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>720.76</td> <td>720.76</td> </tr> <tr> <td>Max. building height (m)</td> <td>65 m</td> <td>29.76m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	21,485.89	18,312.42	Ground Coverage (m ²)	3,238.62	3,019.41	Common Plot Area (m ²)	720.76	720.76	Max. building height (m)	65 m	29.76m
	Permissible	Proposed															
FSI Area (m ²)	21,485.89	18,312.42															
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Common Plot Area (m ²)	720.76	720.76															
Max. building height (m)	65 m	29.76m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:8 • No. of Blocks:15 • Scope of buildings/blocks: Basement + ground floor / hollow plinth + 7 floors. • No.& size of Residential Units:431 units • No. & type of Commercial Units: • Details of amenities if any:Club house and jogging track 															
10.	No. of expected residents / users																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 15.0 • Source of water: SMC water supply. • Waste water generation quantity (KL/day): 2.1 • Mode of disposal: Into drainage line of SMC. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 275.0 • Source of water: SMC water supply. • Waste water generation quantity (KL/day): 217.0 • Mode of disposal: Into drainage line of SMC. 															
13.	Status of water supply and drainage line	Both drainage and water supply lines exist at the site.															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse											
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse														

		Top Soil	2,828.64m ³	720 m ³	720 m ³ of excavated Top soil will be utilized for greenbelt development 2,108.64 m ³ of Top Soil will be utilized for back filling.
		Other excavated earth	7,663.65 m ³	1,130.46 m ³	1,130.46 m ³ of excavated soil will be utilized for back filling within site. Excess soil of 6,533.17 m ³ will be utilized at other project site after obtaining necessary permission if any
		Construction debris	15kg/day	Nil	Sold off to recyclers
		Steel scrap	15kg/day		
		Discarded packing materials	6kg/day		
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	563 kg/day	Into separate bins to be provided within premises.	Will be collected through door to door waste collection system of SMC for final disposal at Khajod Disposal Site
		Wet waste	600 kg/day		
		<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins will be provided for dry and wet waste to each unit. • Capacity and no. of community bins to be placed within premises:15 nos of bins having capacity of 40 kg each for dry waste and 15 nos of 40 kg capacity for wet waste will be provided. • Landfill site where waste will be ultimately disposed by local authority:Khajod Disposal Site 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 2,241.30 m² • Parking area requirement for residential units as per GDCR:2,241.30 m² • Total number of CPS requirement for the project as per NBC :215 • Number of CPS requirement for residential units as per NBC: 215 • Total Parking area provided (m²) & No. of CPS: 7,340.66 m² and 242 CPS • Parking area provided in basement (m²) & No. of CPS: 4,959.12 m² and 155 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:1,971.19 m² and 79 CPS • Parking area provided as open surface (m²) & No. of CPS: 170.33 m² and 8 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18 m wide TP road. • Number of Entry & Exit provided on approach road/s: Three separate entry 			

		<p>/ exit is proposed to provide.</p> <ul style="list-style-type: none"> • Width of Entry & Exit provided on approach road/s:7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):3 m • Width of all internal roads: 7.5 m 																																																						
17.	Details of Green Building measures proposed.	Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.																																																						
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand:1500 KW Connected load:1600 KW Source:DGVCL • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:2 and 60 KVA Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency 																																																						
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Fire extinguishers (portable & mobile) at each floor, hose reel, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 20 KL, underground fire water storage tank of 100 KL capacity, smoke detectors etc. • Nearest fire station: Dindoli fire station. Distance from project site: 4 km. 																																																						
20.	<p>Details on staircase</p> <table border="1"> <thead> <tr> <th>Type & no. of buildings</th> <th>No. of floors</th> <th>Floor area</th> <th>No. of staircase</th> <th>Width of the staircase</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>A-B</td> <td>7</td> <td>317.36</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>C</td> <td>7</td> <td>221.9</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>D-E</td> <td>7</td> <td>418.34</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>F-G-H</td> <td>7</td> <td>424.13</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>I-J</td> <td>7</td> <td>287.94</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>K-L</td> <td>7</td> <td>287.94</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>M-N</td> <td>7</td> <td>292.55</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> <tr> <td>O</td> <td>7</td> <td>380.28</td> <td>1</td> <td>1.6 m</td> <td><15 m</td> </tr> </tbody> </table>		Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)	A-B	7	317.36	1	1.6 m	<15 m	C	7	221.9	1	1.6 m	<15 m	D-E	7	418.34	1	1.6 m	<15 m	F-G-H	7	424.13	1	1.6 m	<15 m	I-J	7	287.94	1	1.6 m	<15 m	K-L	7	287.94	1	1.6 m	<15 m	M-N	7	292.55	1	1.6 m	<15 m	O	7	380.28	1	1.6 m	<15 m
Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)																																																			
A-B	7	317.36	1	1.6 m	<15 m																																																			
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M-N	7	292.55	1	1.6 m	<15 m																																																			
O	7	380.28	1	1.6 m	<15 m																																																			
21.	Rain Water Harvesting	<ul style="list-style-type: none"> • Level of the Ground water table: 16m • No. & dimensions of RWH tank(s) :- 																																																						

	(RWH)	<ul style="list-style-type: none"> No. and depth of percolations wells :2 nos. Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) :480.0 Area covered by shrubs and bushes (m²): 200.0 Lawn covered area (m²): 420.0 Total Green Area (m²): 1,100.0 Green Area % of plot area: 12.50% No. of trees and species to be planted: 350
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<p>Green belt development : 60Lacs</p> <p>Drainage and rain water harvesting: 50 lacs</p> <p>Solar and energy saving: 30lacs</p> <p>Total: 140Lacs</p>
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.
26.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession.	Copy of index of subregistrar's office submitted shows that the N.A land of the project site is in the name of M/s Sai Developers through its partners including the applicant Mr. Rameshbhai Dhanjibhai Kabariya. N.A permission obtained for residential & commercial use.

During the meeting, it was presented that the project is comprising of all the 1 BHK units. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

14.	Residential building construction project by Mr. Manishbhai K. Shah	S.No.4/2, O.P.No.38, F.P.No.61, T.P.S. No.3 (Rundh), Rundh, Surat.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/33075/2015]
2.	Type of Project	Residential
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Mr. Manishbhai Kantilal Shah
5.	Name of Developer	Mr. Manishbhai Kantilal Shah
6.	Estimated Project Cost (Rs. In Crores)	Rs. 90 crores
7.	Whether construction	No

	work has been initiated at site? If yes, details thereof																
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 8,262 FSI area (m²): 22,123.70 Total BUA (m²):31,059.35 <table border="1"> <thead> <tr> <th></th> <th>Permissible,</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>22,173.58</td> <td>22,123.70</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>2,344.78</td> <td>1,989.52</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>892.13</td> <td>892.13</td> </tr> <tr> <td>Max. building height (m)</td> <td>65 m</td> <td>50.70m</td> </tr> </tbody> </table>		Permissible,	Proposed	FSI Area (m ²)	22,173.58	22,123.70	Ground Coverage (m ²)	2,344.78	1,989.52	Common Plot Area (m ²)	892.13	892.13	Max. building height (m)	65 m	50.70m
	Permissible,	Proposed															
FSI Area (m ²)	22,173.58	22,123.70															
Ground Coverage (m ²)	2,344.78	1,989.52															
Common Plot Area (m ²)	892.13	892.13															
Max. building height (m)	65 m	50.70m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:4 No. of Blocks:4 Scope of buildings/blocks: 3 buildings – basement + hollow plinth + 13 floors. 1 building - basement + hollow plinth + 14 floors. No. & size of Residential Units:152 units No. & type of Commercial Units:--- Details of amenities if any:Club house and jogging track 															
10.	No. of expected residents / users	684															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 15.0 Source of water: SMC water supply. Waste water generation quantity (KL/day): 2.1 Mode of disposal: Into SMC drainage line. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 100.0 Source of water: SMC water supply. Waste water generation quantity (KL/day): 77.0 Mode of disposal: Into SMC drainage line. 															
13.	Status of water supply and drainage line	Both drainage and water supply lines exist at the site.															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>2,087.4 m³</td> <td>2,087.4 m³</td> <td>800 m³ of excavated top soil will be used for greenbelt development 1,287.4 m³ of top soil will be utilized for back filling</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	2,087.4 m ³	2,087.4 m ³	800 m ³ of excavated top soil will be used for greenbelt development 1,287.4 m ³ of top soil will be utilized for back filling							
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		Other excavated earth	5,636.0 m ³	5,141.82 m ³	5,141.82 m ³ of excavated Soil will be utilized for back filling within the site. Excess soil of 494.18 m ³ will be utilized at other project site after obtaining necessary permission if any										
		Construction debris	15kg/day	Nil	Will be sold off to recyclers										
		Steel scrap	15kg/day												
		Discarded packing materials	6kg/day												
		Operation Phase:													
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		<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins for dry and wet waste will be provided to each unit • Capacity and no. of community bins to be placed within premises:4 nos of bins having capacity of 50 kg each for dry waste and 4 noss of 60 kg for wet waste will be provided. • Landfill site where waste will be ultimately disposed by local authority: at Khajod Disposal Site 													
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,326.04 m² • Parking area requirement for residential units as per GDCR:3,326.04 m² • Total number of CPS requirement for the project as per NBC :152 • Number of CPS requirement for residential units as per NBC: 152 • Total Parking area provided (m²) & No. of ECS: 4,954.22m² and 163 ECS • Parking area provided in basement (m²) & No. of ECS: 3,291.99 m² and 103 ECS • Parking area provided in hollow plinth (m²) & No. of ECS:1,662.23 m² and 60 ECS 													
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:18 m wideTP road. • Number of Entry & Exit provided on approach road/s: two gates will be provided. • Width of Entry & Exit provided on approach road/s:7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):7.5 m • Width of all internal roads: 7.5 m 													
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	Green Building measures proposed.	water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.																														
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand: 500 KW Connected load: 600 KW Source: DGVCL Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. DG Sets: No. and capacity of the DG sets: 2 and 60 KVA Fuel & its quantity: diesel (10 Liter/h) Note : - D.G. Sets will be used in case of power failure or fire emergency 																														
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. During the operation phase: Fire extinguishers (portable & mobile) at each floor, hose reel, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 20 KL, underground fire water storage tank of 100 KL capacity, smoke detectors etc. Nearest fire station: ONGC fire station. Distance from project site: 2 km. 																														
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 17m No. & dimensions of RWH tank(s) :- No. and depth of percolations wells :3 Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 																														
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) :600 Area covered by shrubs and bushes (m²): 200 Lawn covered area (m²): 400 Total Green Area (m²): 1200 Green Area % of plot area: 12.10% No. of trees and species to be planted: 350 trees of local species. 																														
23.	Budgetary allocation for	Green belt development : 60Lacs Drainage and rain water harvesting: 50 lacs																														

	Environmental Management Plan (Rs. in lacs)	Solar and energy saving: 30lacs Total: 140Lacs
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.
26.	Amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession.	Village form no. 7 is in the name of land owners. Satakhata between the land owners & applicant Mr. Manish Shah has been submitted. Zoning certificate of SUDA shows that the project site falls in the residential zone. A copy of application made for obtaining N.A permission has been submitted.

During the meeting, it was noticed by the committee that the project site is at a distance of 180 m from the boundary of river Tapi. After detailed discussion, it was decided to consider the project only verifying the distance of the nearest boundary of the project site from the boundary of river Tapi through Gujarat Pollution Control Board.

15.	A commercial project by Mr. Alpeshbhai A Patel	Block No.671,631, O.P.No. 45, 24, F.P. No.45/2,24/1, T.P.S.No.12 (Puna), Puna, Surat.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/33439/2015]
2.	Type of Project	Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	International Fashion Market
5.	Name of Developer	Mr. Alpeshbhai A Patel
6.	Estimated Project Cost (Rs. In Crores)	Rs. 60 crores
7.	Whether construction work has been initiated at site? If yes, details thereof	No

8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 11,570.0 FSI area (m²): 26,018.19 Total BUA (m²):43,665.83 <table border="1" data-bbox="443 304 1447 481"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>26,032.50</td> <td>26,018.19</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>5,206.50</td> <td>5,206.22</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,157.08</td> <td>1,157.08</td> </tr> <tr> <td>Max. building height (m)</td> <td>65 m</td> <td>21.41</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	26,032.50	26,018.19	Ground Coverage (m ²)	5,206.50	5,206.22	Common Plot Area (m ²)	1,157.08	1,157.08	Max. building height (m)	65 m	21.41			
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Max. building height (m)	65 m	21.41																		
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:1 No. of Blocks:1 Scope of buildings/blocks: 2 level basement + ground floor + 4 floors. No.& size of Residential Units:--- No. & type of Commercial Units:795 units Details of amenities if any: 																		
10.	No. of expected residents / users	3578																		
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 30.0 Source of water: SMC water supply Waste water generation quantity (KL/day): 2.28 Mode of disposal: Into drainage line of SMC. 																		
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 183.0 Source of water: SMC water supply. Waste water generation quantity (KL/day): 143.0 Mode of disposal: Into drainage line of SMC. 																		
13.	Status of water supply and drainage line	Both drainage and water supply lines exist at site.																		
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="443 1223 1458 2029"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>2087.4 m³</td> <td>2087.4 m³</td> <td>800 m³ of excavated Top Soil Utilized for greenbelt development 1287.4 m³ of Top Soil will be utilized for back filling</td> </tr> <tr> <td>Other excavated earth</td> <td>9,393.28 m³</td> <td>3,311.8 m³</td> <td>3,311.8 m³ of excavated soil will be utilized for back filling within site. Excess soil of 6,081.48 m³ will be utilized at other project site after obtaining necessary permission if any.</td> </tr> <tr> <td>Construction debris</td> <td>15kg/day</td> <td rowspan="2">Nil</td> <td rowspan="2">Sold off to recyclers</td> </tr> <tr> <td>Steel scrap</td> <td>15kg/day</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	2087.4 m ³	2087.4 m ³	800 m ³ of excavated Top Soil Utilized for greenbelt development 1287.4 m ³ of Top Soil will be utilized for back filling	Other excavated earth	9,393.28 m ³	3,311.8 m ³	3,311.8 m ³ of excavated soil will be utilized for back filling within site. Excess soil of 6,081.48 m ³ will be utilized at other project site after obtaining necessary permission if any.	Construction debris	15kg/day	Nil	Sold off to recyclers	Steel scrap	15kg/day
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Dry waste	400 kg/day	Into the bins to be provided within premises.	Door to door waste collection system of SMC.												
Wet waste	315 kg/day														
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 7805.45 m² • Parking area requirement for Commercial units as per GDCR: 7805.45 m² • Total number of CPS requirement for the project as per NBC :520 • Number of CPS requirement for commercial units as per NBC:520 • Total Parking area provided (m²) & No. of CPS: 15,502.75 m² and 520 CPS • Parking area provided in basement (m²) & No. of CPS: 12,706.9 m² and 398 CPS • Parking area provided as open surface (m²) & No. of CPS: 2,795.81 m² and 122 CPS 													
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:45 m & 12 m wide TP roads • Number of Entry & Exit provided on approach road/s: two gates will be provided. • Width of Entry & Exit provided on approach road/s:7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation):4 m • Width of all internal roads: 7.5 m 													
17.	Details of Green Building measures proposed.	<p>Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting &nground water recharge, maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.</p>													
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand:4000 KW Connected load:4100 KW • Source: DGVCL • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:2 and 132 KVA 													

		Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency												
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Fire extinguishers (portable & mobile) at each floor, hose reel, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 20 KL, underground fire water storage tank of 100 KL capacity, smoke detectors etc. • Nearest fire station: Puna fire station. Distance from project site: 3.5 km. 												
20.	Details on staircase													
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 17m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :3 nos. • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 												
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :600 m² • Area covered by shrubs and bushes (m²): 250 m² • Lawn covered area (m²): 400 m² • Total Green Area (m²): 1,250.0 m² • Green Area % of plot area: 9% • No. of trees and species to be planted: 350 												
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Green belt development : 60Lacs Drainage and rain water harvesting: 50 lacs Solar and energy saving: 30Lacs Total: 140Lacs												
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.												
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26.	Amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.												
27.	Documents related to land possession.	Village form no. 7/12 for both the block numbers shows that the land is in the name of land owners and the land owners have made agreement with the applicant. Zoning certificate shows that the land is in the residential zone.												

During the meeting, while discussing about the ventilation in the commercial units, the project proponent

presented that all the commercial units are having ventilation through windows opening outside and through OTS provided on the other side. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Type of activities to be carried out in the commercial units of the proposed project. Undertaking stating that no any kind of manufacturing activity shall be allowed in the commercial units of the proposed project and any commercial unit shall not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.
2. Base line status of the existing traffic, impact on it due to the project activities (prior to construction, during construction and at full site operation), carrying capacity of the existing roads and details of traffic management in and outside the project during construction and operation phase of the project.
3. Details on provisions to be made for ventilation & lighting in basement along with the details of CO sensors & alarm system to be provided in basement.
4. Land possession documents showing ownership by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site for commercial use or a copy of documents showing the correspondences made in this regard and copy of agreement made between the land owners & developers (if any).
5. Copy of permission obtained for non agricultural use of the project site or its status along with the copies of correspondences made in this regard.
6. Explore the possibility of increasing the parking area provision for the project and revised details of the same with back up calculations and parking plans.

16.	Swati Gardenia	F.P. No.- 38 + 39 + 55, T.P.S. No.– 84/A, Village- Makarba, Dist: Ahmedabad.	EC amendment & expansion.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Swati Procon Pvt. Ltd. for the Building Construction Project at F.P. No.- 38 + 39 + 55, T.P.S. No.– 84/A, Village- Makarba, Dist: Ahmedabad vide order no. SEIAA/GUJ/ EC/8(a)/ 171/2012 dated 01/06/2012 which was further amended vide order no. SEIAA/GUJ/EC/8(a)/1219/2015 dated 31/03/2015 for the built up area of 29,966.56 m².

M/s Swati Developers vide their proposal no. SIA/GJ/NCP/33390/2015 dated 30/11/2015 along with revised Form-I & Form-IA applied for amendment in the Environmental Clearance order dated 01/06/2012 which was further amended vide order dated 31/03/2015 for the proposed changes.

The request for the proposed changes was considered during the meeting and the project proponent presented the previous and the revised project details before the committee. It was presented that due to availability of the additional FSI under Transferable Development Right, they have proposed changes in the project in terms of expansion with 3 additional units and the built up area of the project will be 30,221.8 m² after the proposed expansion. Copy of structural stability certificate submitted by them shows that the structural design of the buildings is against loads such as dead load, live load, earth quake load (seismic zone III), floor finish (basement + hollow plinth + ground floor + 14 floors) and other loads as per the relevant IS Codes. During the meeting the project proponent was suggested to increase the parking area provision to which the project proponent was agreed by providing mechanical parking in hollow plinth.

Salient features of the project before & after the proposed expansion are tabulated below:

Description	Details as per EC granted.	Details of the project after proposed changes.
Name of the project	Swati Gardenia	Swati Gardenia
Name of the developer	Ms. Swati Developers	Ms. Swati Developers
Project Cost	53 Crores	54 Crores

Location address	F.P. No.- 38 + 39 + 55, T.P.S. No.– 84/A, Village- Makarba, Dist: Ahmedabad.	F.P. No.- 38 + 39 + 55, T.P.S. No.– 84/A, Village- Makarba, Dist: Ahmedabad.
Plot area (sq. m.)	6,132	6,132
Ground Coverage (sq. m.)	--	2,075.35
Built-up area (sq. m.)	29,966.56	30,221.8
FSI area (sq.m.)	16,555.85	17,170.74
Number of buildings/blocks	2 building /5 blocks	2 building /5 blocks
Number of Units	193	196
No. of floors	Basement+Hollow Plinth +14 Floors	Basement + Hollow Plinth+ 14 Floors
Basement area (sq. m.)	3,917.63	3,917.63
Hollow plinth area (sq. m.)	1,293.04	1,293.04
Parking requirement as per NBC	137 CPS	140 CPS
Parking area requirement (sq. m) as per GDR	3,311.17	3,431.86
Parking area provided (sq m) and number of CPS	5,210.67 sq. m & 168 CPS	5,567.91 sq.m.& 180 CPS
Water requirement (KL/day)	151 .0	153.0
Waste water generation (KL/day)	116.0	118.0
Municipal Solid waste generation (kg/day)	482.0	490.0
Total green belt area (sq.m.)	1,264.49	1,264.56
Tree covered area (sq. m.)	809.18	809.18
Lawn covered area (sq. m.)	455.31	455.38

Copy of N.A order submitted by them shows that the land for residential use is in the name of M/s Swati Developers. During the meeting, after discussing various aspects of the project, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from the concerned competent authority for availability of additional FSI to the project under Transferable Development Right.
2. Details on mechanical parking to be provided in hollow plinth and revised parking details considering the same.
3. NOC from M/s Swati Procon Pvt. Ltd. for transferring the Environmental Clearance order in the name of M/s Swati Developers.

17.	City Centre – 2 by M/s Jas Infra Con LLP.	F.P. No. 21 & 27, T.P.S. No. 18 (Sarangpur), Village: Rajpur – Hirpur, District: Ahmedabad.	Screening & Scoping.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Pushpa Commercial & Housing Co-Op. Soc. Ltd. for the commercial building construction project at F.P. No. 21,22 & 27, T.P.S. No. 18 (Sarangpur), Village: Rajpur – Hirpur, District: Ahmedabad vide order no. SEIAA/GUJ/EC/ 8(a)/77/2008 dated 19/07/2008 for the built up area of 54,895.0 m² comprising of 148 flats & 136 shops.

The project proponent in the name of M/s Jas Infra Con LLP vide their letter dated 06/11/2015 & online proposal no. SIA/GJ/NCP/33002/2015 dated 03/12/2015 requested for amendment of Environmental Clearance order dated 19/07/2008 for the proposed expansion of the project and change in the name of project from '10 Acres Mall – The Ahmedabad City Mall' to 'City Centre 2'.

The request for amendment in terms of proposed changes & expansion was considered during the meeting. The project proponent presented the details of the previous and the revised project details which are tabulated below:

Description	Details as per EC granted.	Details of the project after proposed changes.
Name Of The Project	10 Acres Mall – The Ahmedabad City Mall	City Centre -2
Name Of The Developer	Pushpa Commercial & Housing Co- Op. Soc. Ltd.	Jas Infra Con LLP
Location Address	F.P. No. 21,22 & 27, T.P.S. No. 18 (Sarangpur), Village: Rajpur – Hirpur, District: Ahmedabad.	F.P. No. 21 & 27, T.P.S. No. 18 (Sarangpur), Village: Rajpur – Hirpur, District: Ahmedabad.
Plot Area (sq. m.)	34,877.12	35,346.32
Built – Up Area (sq. m.)	54,895.0	89,634.03
FSI Area (sq. m.)	34,929.34	61,943.23
Number of Building blocks	4 buildings with 7 blocks	4 buildings with 7 blocks
Number Of Units	548	1129
No. of Floors	2 buildings – B +G+2 floors and 2 buildings – B +G+1 floor.	2 buildings – B +G+2 floors and 2 buildings – B +G+4 floors.
Water Requirement (KL/day)	200.0	345.0
Waste Water Generation (KL/day)	160.0	271.0
Municipal Solid Waste Generation (Kg/day)	1,066.0	1,792.0
Total Green Belt Area (sq. m.)	2,500.0	2,500.0
Tree Covered Area (sq. m.)	915.0	915.0
Lawn Covered Area (sq. m.)	1,585.0	1,585.0

During the meeting, it was presented that none of the existing 92 nos. of trees will be cut for the proposed changes in terms of expansion. Parking space of 28,824.54 m² [19,353.60 m² in basement with mechanical parking + 9,470.0 m² as open surface parking] equivalent to 1622 CPS will be provided against the parking requirement of 1613 CPS as per the NBC norms. A D.G.Set of 62.5 KVA will be provided as power back up arrangement. Traffic survey carried out on 18 m wide Rakhial – Sarangpur road shows that the Level of Service of the road will remain the same as poor “E” in existing & proposed scenarios. While asking by the committee, it was replied that out of the total 4 buildings, 2 buildings of ground floor + 2 floors have already been constructed whereas construction of the remaining 2 buildings of ground floor + 4 floors has yet not been initiated. In one of the two remaining buildings comprising of 3 blocks will be provided with 14 nos. of staircases and the other building with 2 blocks will be provided with 10 nos. of staircases. During the meeting, after detailed discussion, it was decided to further appraise the project only after submission of the following:

1. Justification for the proposed changes in terms of the expansion along with the supporting documents / permission from the concerned authority in this regard.
2. NOC from M/s Pushpa Commercial & Housing Co-Op. Soc. Ltd. for transferring the Environmental Clearance in the name of M/s Jas Infra Con LLP.
3. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, location of fire lift and fire retardant staircases, details of qualified and trained fire personnel & their job specifications, nearest fire station & time required to reach the proposed site, emergency evacuation plan etc. Calculation and provision of minimum fire water requirement based on fire study.
4. Explore the possibility of increasing the parking area provision for the project and revised details on the same with back up calculations & parking plans.
5. Certificate from a structural engineer stating that the foundation of the remaining 2 building is capable of bearing the load of G+4 stories which was G+1 floor as per the Environmental Clearance granted.
6. Details on the staircases provided in the buildings already constructed.
7. Compliance report of the conditions stipulated in the Environmental Clearance order dated 19/07/2008.
8. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time and other technical parameters. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan etc.
9. Revised water balance details considering the reuse of treated sewage for purposes like flushing, gardening etc. within premises.
10. Complete details on the mechanical parking to be provided.
11. Land possession documents showing ownership of the M/s Jas Infra Con LLP for the proposed project.

18.	Surya Emerald	O.P.No.91/1, F.P.No.91/1, S.No. 691, 692/1+2/P, T.P.S.No.51, Makarba, Vejalpur, Ahmedabad	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/32934/2015]
2.	Type of Project	Residential project
3.	Project/Activity No. [8(a) or 8(b)]	Category 'B', 8(a)
4.	Name of the project	"Surya Emerald "
5.	Name of Developer	"M/s. Surya Buildcon"
6.	Estimated Project Cost (Rs. in Crores)	63 Crores
7.	Whether construction work has been initiated at site?	No any construction activity has been initiated at site.

	If yes, details thereof																	
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 5,353.0 FSI area (m²): 16,512.56 Total BUA (m²): 25,458.94 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>18,200.20</td> <td>16,512.56</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>2,578.89</td> <td>2,578.89</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>535.30</td> <td>540.21</td> </tr> <tr> <td>Max. building height (m)</td> <td>25 m</td> <td>25 m.</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	18,200.20	16,512.56	Ground Coverage (m ²)	2,578.89	2,578.89	Common Plot Area (m ²)	535.30	540.21	Max. building height (m)	25 m	25 m.	
	Permissible	Proposed																
FSI Area (m ²)	18,200.20	16,512.56																
Ground Coverage (m ²)	2,578.89	2,578.89																
Common Plot Area (m ²)	535.30	540.21																
Max. building height (m)	25 m	25 m.																
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 4 Buildings No. of Blocks: 4 Blocks Scope of buildings/blocks: Hollow plinth + 7 floors. No. & size of Residential Units: 105 units, 3 BHK = 103.5 m² to 132.63 m² floor area, 4 BHK = 141 m² to 160.17 m² No. & type of Commercial Units: Nil Details of amenities if any: -- 																
10.	No. of expected residents / users	<p>Fixed population: 525 persons</p> <p>Floating population:(105 Flats x 2 persons/flat/day) = 210 persons/day</p>																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 22.5 Source of water: Local water tanker Waste water generation quantity (KL/day): 2 Mode of disposal: Septic tank / Soak pit system Details of reuse of water, if any: None 																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 82.0 Source of water: water supply from AMC. Waste water generation quantity (KL/day): 63 Mode of disposal: Sewage will be discharged into AMC drainage system. 																
13.	Status of water supply and drainage line	Water supply & drainage connection will be supplied by AMC .																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generatio n (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1,000</td> <td>1,000</td> <td>Will be stored onsite and used for development of greenbelt.</td> </tr> <tr> <td>Other excavated earth</td> <td>13,000</td> <td>13,000 m³ will be reused for re-filling of foundation & plinth, green belt and levelling low lying areas at project site itself.</td> <td>Excess (if any) will be sent to another site where need may be exist.</td> </tr> <tr> <td>Construction debris</td> <td>210</td> <td>210</td> <td>Will be used for levelling, roads, pavements etc.</td> </tr> </tbody> </table>		Generatio n (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1,000	1,000	Will be stored onsite and used for development of greenbelt.	Other excavated earth	13,000	13,000 m ³ will be reused for re-filling of foundation & plinth, green belt and levelling low lying areas at project site itself.	Excess (if any) will be sent to another site where need may be exist.	Construction debris	210	210	Will be used for levelling, roads, pavements etc.
	Generatio n (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse															
Top Soil	1,000	1,000	Will be stored onsite and used for development of greenbelt.															
Other excavated earth	13,000	13,000 m ³ will be reused for re-filling of foundation & plinth, green belt and levelling low lying areas at project site itself.	Excess (if any) will be sent to another site where need may be exist.															
Construction debris	210	210	Will be used for levelling, roads, pavements etc.															

		Steel scrap	What so ever	--	Will be returned to supplier or sold to scarp dealer / end users.
		Discarded packing materials	What so ever	--	Will be returned to supplier / sold to authorized recycler
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	262 kg/day	Two separate bins (one for dry and one for wet waste) each of 10 L capacity will be provided to each unit. These bins will be emptied in to community bins provided at various locations.	The said common community bins will be regularly emptied by AMC.
		Wet waste			
		<ul style="list-style-type: none"> • Details of segregation if to be done: Two separate bins (one for dry and one for wet waste) each of 10 L capacity will be provided to each unit. • Capacity and no. of community bins to be placed within premises: 14 community bins of 80 lit capacities will be provided at various locations. • Landfill site where waste will be ultimately disposed by local authority: at the nearest waste collection point of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:3,302.5 m² • Parking area requirement for residential units as per GDCR:3,302.5 m² • Total number of CPS requirement for the project as per NBC :105 CPS • Number of CPS requirement for residential units as per NBC : 105 CPS • Total Parking area provided (m²) & No. of ECS: 6,109.39 m² & 201 ECS • Parking area provided in basement (m²) & No. of ECS: 3,844.74 m² & 120 ECS • Parking area provided in hollow plinth (m²) & No. of ECS: 2,264.65 m² & 81 ECS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 12 m wide TPS road in North direction of project site. • Width of Entry & Exit provided on approach road/s:7.5 • Number of Entry & Exit provided on approach road/s: Three gates one main & two basement entry/exit. Two separate 3.8 m and 3.9 m wide ramps will be provided for entry & exit for 			

		<p>basement.</p> <ul style="list-style-type: none"> • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads: 7.5 m
17.	Details of Green Building measures proposed.	<p>Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash, rainwater harvesting by recharging the ground water table with provision for percolation wells, PVC electrical boards, aluminium window frame & marble door frame instead of wood etc.</p>
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: M/s. UGVCL. Maximum demand: Estimated requirement During construction phase: 18 kW and During operation phase: 0.5 MW. Connected load: -- • Source: M/s.UGVCL. • Energy saving measures: Solar lights in lawn area and approach road, maximum use of LED lights in each block, use of variable frequency drives motors to optimize power consumption, the individual building block has been oriented so as to have maximum natural daylight as well as ventilation, use of building material having lower U-value and the insulating material having higher R-value to have optimum energy performance, maximize the use of light and silent colours in the building envelope so that UV absorption is reduced and associated cooling requirements are minimized. • DG Sets: not proposed.
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Nearest fire station is Bodakdev fire station approx. (3 km).Time required for the fire tender to reach at the project site is 15 - 20 minutes. • During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practice, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. • During the operation phase: Fire extinguishers, fire hydrant system, sprinklers, fire extinguishers one CO₂ type (4.5 kg) & DCP type (5 kg) for every 1000 m² of floor area, 2 nos. of underground fire water storage tanks of 150 KL total capacity, overhead tanks of 20 KL capacity etc.

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area (Max. Floor Area of Ground Floor)	No. of staircase	Width of the staircase	Travel distance (m)
Block- A	Hollow plinth + 7 floors.	564	1	1.6 m	Approx. 25 m	
Block- B		564	1	1.6 m		
Block- C		414	1	1.6 m		
Block- D		338	1	1.6 m		
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: depth of water level 40 m as per CGWB report • No. & dimensions of RWH tank(s) : 2 nos. RWH structure of 0.20m dia. will be provided. • No. and depth of percolations wells : 2 nos. • Details on Pre-treatment facilities : Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month. 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 285 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²): 484 • Total Green Area (m²): 769 • Green Area % of plot area: 14% • No. of trees and species to be planted: Local species such as Kadam, Ashok, Sevan, Jambu, Guava etc. will be preferred for plantation. 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 5 lacs & Rs. 8 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase of the project.				
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, tarpaulin sheet cover on the material during the transportation, maximum use of Ready Mix Concrete (RMC), uniform piling of sand and proper storage to avoid dusting.				
25.	Eco friendly building materials	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash.				
26.	Facilities to be provided to the construction	Sanitation facilities, drinking water, municipal solid waste collection facility etc.				

	workers	
27.	Documents related to land possession.	Index of Sub registrar's office shows N.A land in the name of applicant. Zoning certificate shows the project site falls in the residential zone II

During the meeting, after detailed discussion, it was decided to consider the project only after submission of the following:

1. Provision of two staircases in the buildings having floor area more than 500 m² and revised plans showing the same.
2. Details on the permissible FSI & ground coverage for the proposed project along with the supporting documents / permission from the concerned competent authority for the proposed FSI & Ground coverage.

19.	Residential Building construction project by Mr. Hasmukhbhai H. Patel	Block No. - 316, F.P.No. - 90, O.P.No. - 90, T.P.S.No.- 51 (Kosmada-Khadsad Pilodra Simada), At-Kosmada, Dist: Surat.	Screening & scoping / appraisal case.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/33098/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Residential Building construction project by Mr. Hasmukhbhai H. Patel															
5.	Name of Developer	Mr. Hasmukhbhai H. Patel															
6.	Estimated Project Cost (Rs. In Crores)	25 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 4,210.0 • FSI area (m²): 16,824.34 • Total BUA (m²): 23,940.40 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>16,840.00</td> <td>16824.34</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>1,268.90</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>421.00</td> <td>422.65</td> </tr> <tr> <td>Max. building height (m)</td> <td>45.0</td> <td>45.0 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	16,840.00	16824.34	Ground Coverage (m ²)	---	1,268.90	Common Plot Area (m ²)	421.00	422.65	Max. building height (m)	45.0	45.0 m
	Permissible	Proposed															
FSI Area (m ²)	16,840.00	16824.34															
Ground Coverage (m ²)	---	1,268.90															
Common Plot Area (m ²)	421.00	422.65															
Max. building height (m)	45.0	45.0 m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 2 Nos. 															

		<ul style="list-style-type: none"> • Scope of buildings/blocks: basement +hollow plinth + 1st floor parking +2nd to 14th floors. • No. & size of Residential Units: Total :208 flats(104 (2BHK) & 104 (3BHK)) • No. & type of Commercial Units: Nil • Details of amenities if any: No 																															
10.	No. of expected residents / users	936 nos. residential users																															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 16.0 • Source of water: water tankers. • Waste water generation quantity (KL/day): 1.20 • Mode of disposal: Through onsite septic tank and soak pit • Details of reuse of water, if any: washing water of construction equipments will be reused for curing 																															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 132.0 • Source of water: Water supply from Surat Urban Development Authority (SUDA). • Waste water generation quantity (KL/day): 103.0 • Mode of disposal: Disposed through underground sewer line of SUDA. 																															
13.	Status of water supply and drainage line	SUDA water supply and underground sewer lines will be available to the project during the operation phase of the project.																															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>5,124</td> <td>5,124</td> <td rowspan="3">Excavated surplus earth and construction debris will be refilled at low lying areas in the project premises and top soil will be used for development of greenbelt.</td> </tr> <tr> <td>Other excavated earth</td> <td></td> <td></td> </tr> <tr> <td>Construction debris</td> <td>38</td> <td>38</td> </tr> <tr> <td>Steel scrap</td> <td>3.56 MT</td> <td>3.1 MT</td> <td>Sell to recycler</td> </tr> <tr> <td>Discarded packing materials</td> <td>1.0 MT</td> <td>--</td> <td>Sell to vendor.</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td rowspan="2">561</td> <td rowspan="2">Into the bins to be provided within premises.</td> <td rowspan="2">Disposal through SMC's door to door waste collection system.</td> </tr> <tr> <td>Wet waste</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: 140 liter Each; 8 nos. of bins • Landfill site where waste will be ultimately disposed by local authority: 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	5,124	5,124	Excavated surplus earth and construction debris will be refilled at low lying areas in the project premises and top soil will be used for development of greenbelt.	Other excavated earth			Construction debris	38	38	Steel scrap	3.56 MT	3.1 MT	Sell to recycler	Discarded packing materials	1.0 MT	--	Sell to vendor.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	561	Into the bins to be provided within premises.	Disposal through SMC's door to door waste collection system.	Wet waste
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Dry waste	561	Into the bins to be provided within premises.	Disposal through SMC's door to door waste collection system.																														
Wet waste																																	

		M.S.W transported from transfer station reaches for final disposal at Khajod					
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 4,210.0 m² Parking area requirement for residential units as per GDCR: 4210.0 m² Total number of CPS requirement for the project as per NBC: 104 nos. Number of CPS requirement for residential units as per NBC: 104 nos. Total Parking area provided (m²) & No. of ECS: 5,132.40 m², 177 nos. Parking area provided in basement (m²) & No. of ECS: 1,826.67 m², 57 nos. Parking area provided in hollow plinth (m²) & No. of ECS: 3,094.41 m², 110 nos. Parking area provided as open surface (m²) & No. of ECS: 211.32 m², 9 nos. 					
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads:30 m Number of Entry & Exit provided on approach road/s: 2 nos. Width of Entry & Exit provided on approach road/s: 7.5 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m Width of all internal roads: 7.5 m 					
17.	Details of Green Building measures proposed.	Maximum utilization of natural light, CFL and LED lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [cement + fly ash + air mixture] will be used to reduce heat stress inside building, ground water recharge through rain water harvesting, sufficient tree cover etc.					
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply Maximum demand: 1000 KW Connected load: -- Source: D.G.V.C.L Energy saving measures: Maximum utilization of natural light, CFL and LED lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [cement + fly ash + air mixture] will be used to reduce heat stress inside building etc. DG Sets: No. and capacity of the DG sets: 1 No. x 85 KVA Fuel & its quantity: Diesel, 12 Liter/hr Note : - D.G. Sets will be used in case of power failure or emergency. 					
19.	Fire and Life Safety Measures	Fire extinguishers & hose reel at each floor, wet riser opening at each floor, automatic sprinkler system in basement, manually operated electric fire alarm system, underground water tank of 100 KL capacity, terrace water storage tanks etc.					
20.	Details on staircase						
	Name of Building	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase(m)	Travel distance (m)
	A1 & A2	Joint type	G + 14	647.09	02	1.52	< 30 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 80-100 ft No. & dimensions of RWH tank(s): --- No. and depth of percolations wells : 2 nos. 					

		<ul style="list-style-type: none"> • Details on Pre-treatment facilities : Gravity filter, MOC: PE 																								
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 252.70 • Area covered by shrubs and bushes (m²): inclusive in lawn covered area. • Lawn covered area (m²): 211.32 • Total Green Area (m²): 464.02 • Green Area % of plot area: 11 % • No. of trees and species to be planted: 113 nos. of trees like Asopalav, Gulamhor, Palm, ficus ,badam tree etc. 																								
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Capital Cost (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Landscaping</td> <td>8 Lacs</td> </tr> <tr> <td>2</td> <td>Groundwater Recharge Structure</td> <td>7 Lacs</td> </tr> <tr> <td>3</td> <td>Solar Energy Utilization</td> <td>5 lacs</td> </tr> <tr> <td>4</td> <td>Energy Efficient Lighting</td> <td>5 lacs</td> </tr> <tr> <td>5</td> <td>Solid Waste Management</td> <td>0.5 lacs</td> </tr> <tr> <td>6</td> <td>Monitoring of Air, Water, Noise & Soil</td> <td>0.75 lacs</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>26.25 Lacs</td> </tr> </tbody> </table>	Sr. No.	Description	Capital Cost (Rs. In Lacs)	1	Landscaping	8 Lacs	2	Groundwater Recharge Structure	7 Lacs	3	Solar Energy Utilization	5 lacs	4	Energy Efficient Lighting	5 lacs	5	Solid Waste Management	0.5 lacs	6	Monitoring of Air, Water, Noise & Soil	0.75 lacs	Total		26.25 Lacs
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24.	Proposed dust control measures during the construction phase	Vertical curtains, water sprinkling, covering the building materials with the tarpaulin sheet etc.																								
25.	Eco friendly building material usage details.	Fly ash based bricks, Ready Mix Concrete, A.C.C Blocks will be used.																								
26.	Amenities for the construction workers.	Sanitation facility, drinking water & tap water, soak pit for domestic waste water collection, first aid box, free medicine, doctor service, PPEs etc.																								
27.	Documents related to land possession.	Village form no. 7 & 12 submitted by them shows that N.A land for residential use is in the name of applicant.																								

During the meeting, the project proponent was suggested to increase the parking area provision. While asking by the committee, the project proponent replied that the project site is covered under the Town planning scheme of SUDA and further the project will take about 3 years to complete, meanwhile the water supply & drainage connection will be available to the project. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Explore the possibility of increasing the parking area provision for the project and submit revised details on parking area provision with back up calculation and parking plans.
2. Copy of permission obtained from the concerned competent authority for the proposed FSI & ground coverage.

20.	Shivalik Residency	F.P.No.-234/P, T.P.S.-14, Shahibaug, Dist.Ahmedabad	EC amendment & expansion.
<p>The SEIAA, Gujarat has accorded environmental clearance to M/s Shruti Organizers Pvt. Ltd. for the Building Construction Project at F.P.No.-234/P, T.P.S.-14, Shahibaug, Dist.Ahmedabad vide order no. SEIAA/GUJ/EC/8(a)/3044/2015 dated 19/08/2015 for the built up area of 24,793.57 m².</p> <p>M/s Shruti Organizers Pvt. Ltd. vide proposal no. SIA/GJ/NCP/32911/2015 dated 30/11/2015 along with revised Form-I & Form-IA applied for amendment in the Environmental Clearance order dated 19/08/2015 for the proposed changes.</p>			

The request for the proposed changes was considered during meeting and the project proponent presented the previous and the revised project details before the committee. It was presented that due to availability of the additional FSI under Transferable Development Right, they have proposed changes in the project in terms of expansion with 4 additional units and the built up area of the project will be 25,326.81 m². Copy of structural stability certificate submitted by them shows that the structural design of the buildings is against loads such as dead load, live load, earth quake load (seismic zone III), floor finish (basement + hollow plinth + 14 floors) and other loads as per the relevant IS Codes. During the meeting the project proponent was suggested to increase the parking area provision to which the project proponent was agreed by providing mechanical parking in hollow plinth.

Salient features of the project before & after the proposed expansion are tabulated below:

Description	Details as per EC granted.	Details of the project after proposed changes.
Name of the project	Shivalik Residency	Shivalik Residency
Name of the developer	Ms. Shrusti Organisers Pvt. Ltd.	Ms. Shrusti Organisers Pvt. Ltd.
Project Cost	32 Crores	34 Crores
Location address	F.P.No.-234/P, T.P.S.-14, Shahibaug, Dist.Ahmedabad	F.P.No.-234/P, T.P.S.-14, Shahibaug, Dist.Ahmedabad
Plot area (sq. m.)	5,717.61	5,717.61
Ground Coverage (sq. m.)	1,415.18	1,415.18
Built-up area (sq. m.)	24,793.57	25,326.81
FSI area (sq.m.)	15,437.55	16,597.26
Number of buildings	2	2
Number of Units	54 Residential Units	58 Units
No. of floors	H.P. + 13 Floors	H.P. + 14 Floors
Basement area (sq. m.)	3,342.47	3,026.74
Hollow plinth area (sq. m.)	597	654.58
Parking requirement as per NBC	54 CPS	58 CPS
Parking area requirement (sq m) as per GDR	3,087.51	3,319.45
Parking area provided (sq m) and number of CPS	3,939.47 sq. m. and 125 CPS	3,739.81 sq. m. and 120 CPS
Water requirement (KL/day)	48 .0	49.0
Waste water generation (KL/day)	32.0	34.0
Municipal Solid waste generation (kg/day)	135	140
Total green belt area (sq.m.)	1,344.9	1,344.9
Tree covered area (sq. m.)	772.96	772.96
Lawn covered area (sq. m.)	571.99	571.99

During the meeting, after discussing various aspects of the project, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from the concerned authority for availability of additional FSI to the project under Transferable Development Right.
2. Details on mechanical parking to be provided in hollow plinth and revised parking details considering the

same.

21.	Rajhans Synfonia	T. P. S. No: 26 (Abhava), Block No: 399/P-2, O.P.No:99, F.P.No: 99, Moje-Abhava, Surat	Screening & scoping / appraisal
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [Proposal no. SIA/GJ/NCP/33142/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Rajhans Synfonia															
5.	Name of Developer	Sunilbhai S. Jain															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 150.0 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 16,885.0 FSI area (m²): 67,285.56 Total BUA (m²) : 1,08,096.76 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>67,286.51</td> <td>67,285.56</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>5,262.40</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,688.50</td> <td>1,705.00</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>42.90</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	67,286.51	67,285.56	Ground Coverage (m ²)	---	5,262.40	Common Plot Area (m ²)	1,688.50	1,705.00	Max. building height (m)	--	42.90
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Max. building height (m)	--	42.90															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 08 Nos. No. of Blocks: 12 Scope of buildings/blocks: Residential Flats. 2 level Basement + hollow plinth+14 floors. No. & size of Residential Units: 660 Flats No. & type of Commercial Units: -- Details of amenities if any: -- 															
10.	No. of expected residents / users	<ul style="list-style-type: none"> Expected residents: 3300 Expected shop users: -- Expected visitors: 500 															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 14.0 Source of water: Bore well water Waste water generation quantity (KL/day): 1.80 Mode of disposal: Into septic tank & Soak pit Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total water requirement (KL/day):460.0 Fresh water requirement (KL/day): 343.0 Source of water: Water supply from S.M.C 															

		<ul style="list-style-type: none"> Waste water generation quantity (KL/day): 388.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening & flushing purposes within premises and only remaining quantity of treated sewage will be discharged into the underground drainage line of SMC. In case of STP provision, capacity of STP: Yes. Sewage Treatment Plant – 400 m³ STP Technology: Ozonization Treatment Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing Quantity of treated water to be reused: 1. Gardening (KL/day): 7.00 KL/Day 2. Flushing (KL/day): 110.00 KL/Day Provision of dual plumbing system (Yes/No): Yes Quantity and type (treated/untreated) of water to be discharged: Treated sewage will be reused for gardening & flushing purposes within premises and only remaining quantity of treated sewage will be discharged into the underground drainage line of SMC. Mode of disposal: As above. 																																								
13.	Status of water supply and drainage line	SMC water supply line & drainage lines will be available during the operation phase of the project.																																								
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		project premises
		<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste. • Capacity and no. of community bins to be placed within premises: One community bin for each building. • Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill site of SMC.
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 10,093.0 m² • Parking area requirement for residential units as per GDCR: 10,093.0 m² • Total number of CPS requirement for the project as per NBC : 450 • Number of CPS requirement for residential units as per NBC: 450 • Total Parking area provided (m²) & No. of ECS: 33,577.0 m² & 1086 ECS • Parking area provided in basement (m²) & No. of ECS: 28,136.50 m² & 880 ECS • Parking area provided in hollow plinth (m²) & No. of ECS: 4,050.0 m² & 145 ECS • Parking area provided as open surface (m²) & No. of ECS: 1,390.50 m² & 61 ECS • Parking area provided (at any other place-specify) (m²) & No. of ECS: --
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24.0 m and 45.0 m wide roads. • Number of Entry & Exit provided on approach road/s: 4 gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.50 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: 7.50 m & 6 m.
17.	Details of Green Building measures proposed.	Use of fly ash based material, flush tank instead of direct flushing in toilets, foam type aerated coke, rain water harvesting, use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply Maximum demand: 2000 KVA • Source: D.G.V.C.L • Energy saving measures: Use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles on terrace floor, maximum use of natural light etc. • DG Sets No. and capacity of the DG sets: 02 x 125 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity – 55 L/h.
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, wet riser, automatic sprinkler system (basement), manually operated electric fire alarm system, underground fire water storage tank (75 KL), terrace tank of 10 KL for each building, provision of pump: one electric & one diesel pump of capacity 1620 L/min. & one electric pump of capacity 180 L/min. having pressure 3.5 kg/cm ² at terrace level etc.

20.	Details on staircase							
	Bldg. No.	Floor No.	Floor Area (m ²)	No. of Staircase	No. of Fire Lift	No. of Passenger Lift	Width of Staircase (m)	Maximum Travel Distance up to the Staircase (m) (< 30 m)
	A	G (H.P.) + 14	543.50	02	01	01	1.52	17.41
	B	G (H.P.) + 14	543.50	02	01	01	1.52	17.41
	C - D	G (H.P.) + 14	772.10	02	02	02	1.52	14.11
	E - F	G (H.P.) + 14	772.10	02	02	02	1.52	14.11
	G	G (H.P.) + 14	543.50	02	01	01	1.52	17.41
	I - J	G (H.P.) + 14	772.10	02	02	02	1.52	14.11
	K - L	G (H.P.) + 14	772.10	02	02	02	1.52	14.11
	H	G (H.P.) + 14	543.50	02	01	01	1.52	17.41
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table – 16.00 m No. & dimensions of RWH tank(s) : 09 no. of RWH tanks; size: 4 m x 3 m x 3 m size of Bore: 350 mm dia. size of pipe: 150 mm dia. No. and depth of percolations wells: 09 nos. of percolating wells, Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen. 						
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) : 539.00 Area covered by shrubs and bushes (m²): -- Lawn covered area (m²): 1166.00 Total Green Area (m²): 1705.00 Green Area % of plot area: 10.0 % No. of trees and species to be planted:90 trees of Gulmohar, Neem tree, Coconut palm Asopalav etc. 						
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 91.70 lacs and recurring cost of Rs. 4.75 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management, sewage treatment & reuse etc.						
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.						
25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.						
26.	Details on amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.						

During the meeting, the project proponent was suggested to maximize the solar energy utilization at the extent possible. It was presented that they have applied for use of additional FSI of 4.0. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from concerned competent authority for the proposed FSI of 4.0.
2. Status of availability of water supply & drainage connection to the project along with the permission obtained in this regard or supporting documents.
3. Land possession documents showing ownership by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site for residential use or a copy of documents showing the correspondences made in this regard and copy of agreement made between the land owners & developers (if any).

The following project proponents did not remained present during the meeting. It was decided to call them again in one of the upcoming meetings of SEAC.

1. Vandematram Fabula, F.P.No.116, Survey No.233, O.P. No.116, Draft T.P.S. No. 36 (Chharodi - Tragad), Ahmedabad.
2. Sharadbhai P. Kakadia, Block No. 405, F.P.No.178, O.P.No.189, T.P.S.No. 60 (Puna), Moje-Puna, Dist. Surat.
3. Shapers Buildcon, F.P.No.40+44, Block No.14, T.P.S.No.75, Hanspura-Muthiya, Ahmedabad.

The following project proponent has withdrawn the online application for obtaining Environmental Clearance and hence it was decided to delist the proposal from the list of applications pending with SEAC and to close the file.

1. Soham Residency, F.P. No. 25/Paikee, T.P.S. No. 1, Laldarwaja, Ta. Choryasi, Dist. Surat.

The additional information received from the project proponents, which was sought during various SEAC meetings, were considered by the committee during the meeting and as it was found satisfactory, the committee decided to recommend the following projects for grant of environmental clearance.

Sr. No.	Name and address of the project.
1.	Building Construction Project of affordable housing scheme at Package 27, Navsari proposed by Gujarat Housing Board.
2.	"Shubham Enclave" at Block No:370, F.P.No. 141, O.P.No.151, T.P.S.No.60, Puna, Surat proposed by M/s Anjani Enterprise.
3.	Township and Area Development Project at Survey numbers of Modasar village: 1313p 1, 1313p 4, 1314/2, 1318/2, 1317, 1316/2, 1319/1, 1319/2, 1319/3, 1320, 1323, 1302, 1314/3, 1314/4, 1315, 1316/1, 1318/1p, 1185p, 1228P 1, 1229P 1, 1232P 1, 1233P 1, 1220/2, 1215Paiki, 1313P 3, 1243P 1, 1313P2, 1222/1+2P, 1217/2+4, 1223, 1214, 1227, 1228P2, 1229P2, 1242, 1234P, 1065/7, 1008P, 1021P2, 1007, 1024P, 1063/2P, 1028P1, 1065/1, 1064, 1063/3P, 1063/1, 1027 P4P, 1027 P1, 1028 P2, 1027 P2P, 1005/1 to 4, 1065/3P, 1226 P, 1238/1P2, 1239/1P1, 1239/1P2, 1250/2, 1245/1P, 1245/2, 1239/2, 1250/1, 1238/1P1, 1238/2, 1237, 1251/1, 1252, 1254/2P, 1251/3, 1254/4, 1027 P3, 1180 P1, 1183P, 1231, 1180 P3, 1182 P, 1180 P4, 1180 P2, 1230, 1073/4, 1067, 1073/5 P, 1073/3, 1073/2P, 1179P, 1178/2 P1, 1186P, 1187P, 1065/2, 1065/4, 1065/5, 1006, 1178/1, 1178/3, 1181P, 1232P2, 1235, 1178/2P2, 1233P2, 1235, 1178/2P2, 1233P2, 1177/1p, 1184P, 1250/3, 1025, 1026,

	1184, 1020, 1021P1, 1022, 1066, 1342, 1225/1+2P, 1224/1+2P, 1239/3, 1240P1, 1240P2, 1252,1183 1023 Paiki, Survey numbers of Nani Devati village 163, 162/B/1, 175, 247 Paiki, 152, 162/A, 176P, 167, Survey numbers of Khicha village 249, 256, 253/A, 253/B, 226, Village: Modasar & Nani Devti, Ta:Sanand, Dist: Ahmedabad proposed by M/s Safal Constructions Pvt. Ltd.
4.	“Happy Elegance” at T.P.S.No.75 (Vesu-Magdalla-Gavier-Abhava), O.P. No.84, F.P.No.84, R.S.No.272, Moje: Vesu, Dist:Surat. proposed by Mr. Lavajibhai Motibhai Prajapati.
5.	“Saransh Arth” at S.No.514/B, F.P.No.4, D.T.P.S.No.94, Shahwadi, Ahmedabad. proposed by M/s. Chanchal Buildcon.
6.	expansion of the building construction project – “Vandemataram Fabula” (Old Name: Vandemataram Height) F.P. No. 116, Survey No. 233, O.P. No. 116, Draft T.P.S. No. 36 (Chharodi - Tragad), Village: Chharodi, District: Ahmedabad proposed by Mrs. Trupti Yogesh Bhavsar.
7.	“Royal Homes” at S.No.24, F.P.No-18/2, T.P.S.No.32, O.P.No.18/2, Village: Gota, Ta: Dascroi, Dist: Ahmedabad. proposed by M/s Bhavya Buildcon.
8.	amendment in Environment Clearance for the building construction project – “ITC Hotel” at R.S. No.104/P, S.P.No. A, T.P.S. No. 31, Vastrapur, Ahmedabad proposed by M/s ITC Limited – Hotels Division.

Meeting ended with thanks to the Chair and the Members.

Minutes approved by:

1.	Shri T. P. Singh, Chairman, SEAC.
2.	Shri V. C. Soni, Vice Chairman, SEAC.
3.	Shri R. J. Shah, Member, SEAC.
4.	Dr. V. K. Jain, Member, SEAC.
5.	Shri V. N. Patel, Member, SEAC.
6.	Shri R. I. Shah, Member, SEAC.
7.	Shri Hardik Shah, Secretary, SEAC.