

**Minutes of the 275<sup>th</sup> meeting of the State Level Expert Appraisal Committee held on 27/01/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.**

The 275<sup>th</sup> meeting of the State Level Expert Appraisal Committee (SEAC) was held on 27<sup>th</sup> January, 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), EC amendment & expansion cases and appraisal cases was taken up. Three appraisal cases, one EC validity extension case and seventeen (17) cases of TOR/Scoping/Category 8 (a) cases i.e total twenty one (21) cases were taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1, Form-1A and EIA report.

1.	Building construction project by Ahmedabad Urban Development Authority.	F.P.No.77, T.P.S.No.110, Moje: Kathwada, Taluka: Dascroi, Dist: Ahmedabad.	Appraisal case
<p>The SEIAA, Gujarat has accorded environmental clearance to Ahmedabad Urban Development Authority for the Building Construction Project of EWS housing scheme at F.P.No.77, T.P.S.No.110, Moje: Kathwada, Taluka: Dascroi, Dist: Ahmedabad vide order no. SEIAA/GUJ/ EC/8(a)/112/2014 dated 04/08/2014 for the built up area of 30,904.68 m<sup>2</sup>.</p> <p>The Ahmedabad Urban Development Authority vide their letter dated 11/05/2015 along with revised Form-I &amp; Form-IA applied for expansion of the project. Built up area of the project after the proposed expansion will be 73,553.64 m<sup>2</sup> instead of 30,904.68 m<sup>2</sup> as per the Environmental Clearance granted vide order dated 04/08/2014.</p> <p>The request for the proposed expansion was considered during meeting of SEAC held on 28/07/2015 and the project proponent presented the previous and the revised project details before the committee. During the meeting held on 28/07/2015, the project proponent presented the details like parking area provision, water requirement, waste water generation, municipal solid waste management etc. considering the proposed expansion only and not presented the details considering the proposed as well as existing residential units. While asking by the committee, it was replied that any kind of construction activity has not been started at the project site and it is not a vertical expansion in any of the building but the main reason of the expansion is the horizontal expansion with increasing number of building blocks. After detailed discussion it was decided to further appraise the project only after submission of the following:</p> <ol style="list-style-type: none"> <li>1. Justification for the proposed expansion along with the supporting documents / permission from the</li> </ol>			

concerned authority for the proposed expansion.

2. Total water requirement for the project, total quantity of waste water to be generated, total parking area requirement for the project as per GDCR and NBC norms & total parking area provision for the project against the requirement, total municipal solid waste generation etc. after the proposed expansion.
3. Explore the possibility of setting up of STP for sewage treatment instead of discharging the sewage into municipal sewerage system and reusing the treated sewage for green belt development and/or for flushing.
4. Details of the STP with size of each unit, its location on the plan and its adequacy. Measures proposed to prevent odour nuisance due to the STP operation. Provision of dual plumbing, if any, for reuse of treated sewage for purposes like flushing, gardening etc.

Project proponent submitted the above mentioned details vide their letter dated 07/09/2015.

Project proponent along with their expert/ consultant attended the meeting for further appraisal of the project. During the meeting, the project was further appraised based on the details submitted by them as well as facts presented before the committee.

It was presented that earlier they applied for Environmental Clearance without carrying out demand survey for the EWS housing units. After demand survey carried out by AUDA, need to build more houses has arise and AUDA has granted budget for the proposed expansion with additional built up area of 42,648.96 m<sup>2</sup>. Further it was presented that the housing units of the proposed project are specially planned for people from Economically Weaker Section of the society and hence provision of STP will not be feasible. Drainage line of AUDA is already available at the project site and sewage to be generated during the operation phase will be discharged into the drainage line of AUDA which will be ultimately connected to drainage line of AMC & joining to the Vinzole STP. Considering the fact that provision of STP as well as its operation & maintenance will be difficult in the proposed EWS housing scheme, the project proponent's request of exempting them from providing STP was considered positively by the committee.

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 expansion.
Name of the developer	Ahmedabad Urban Development Authority	Ahmedabad Urban Development Authority
Location address	F.P.No.77/P, T.P.S.No.110, at Kathwada, Ta:Dasroi, Dist: Ahmedabad	F.P.No.77/P, T.P.S.No.110, at Kathwada, Ta:Dasroi, Dist: Ahmedabad
Plot area (sq. m.)	13,250.0	24,015.0
Ground Coverage (sq. m.)	3,776.91	8,983.28
Built – up area (sq. m. )	30,904.68	73,553.64
FSI area (sq.m.)	18,867.87	44,912.0
Number of buildings	9 building blocks	22 building blocks
Number of Units	588	1400
No. of floors	Hollow plinth + 7 floors	Hollow plinth + 7 floors
Water requirement during the construction phase (KL/day) & source	12.2 & local water tanker suppliers	57.2 & local water tanker suppliers
Total water requirement during the operation phase	535.0 & AMC water supply	1,198.72 & AMC water supply

(KL/day) & source		
Waste water generation (KL/day)	424.0 & into drainage line of AMC	950.18 & into drainage line of AMC
Municipal Solid Waste generation (kg/day)	1,764.0	4,200.0
Parking area requirement as per GDCR (m <sup>2</sup> )	1,886.78	4,491.20
Parking area requirement as per NBC (CPS)	294	700
Total parking area provided (m <sup>2</sup> & no. of CPS)	5,612.91 [2695.41 m <sup>2</sup> in hollow plinth + 2917.50 m <sup>2</sup> as open surface]& 223	15,577.91 [7,326.41 m <sup>2</sup> in hollow plinth + 8,251.5 m <sup>2</sup> as open surface] & 621
Total green belt area (sq.m. )	800.0	1,442.14
Tree covered area (sq. m.)	300.0	661.0
Lawn covered area(sq. m.)	500.0	781.14
Number of percolation wells to be provided for rain water harvesting & ground water recharge	4 nos.	10 nos.

During the meeting, the project proponent confirmed that the proposed expansion is based on the demand survey carried out and the available budget and is final. No more expansion will be planned for this particular site. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of environmental clearance with the proposed expansion in supersession of the earlier environmental clearance order no. SEIAA/GUJ/EC/ 8(a)/112/2014 dated 04/08/2014.

2.	Celestial Dreams	R.S.No.140/1 to 8, F.P.No.3, T.P.S.No.5 (Vesu Bhimrad), At: Vesu, Ta:Choryasi, Dist: Surat.	Appraisal case.
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The SEIAA, Gujarat has accorded environmental clearance to the residential project vide order no. SEIAA/GUJ/EC/8(a)/144/2012 dated 22/05/2012 for total built up area of 99,563.68 m<sup>2</sup> at R. S.No.140/P 1 to 8, F.P.No.3, T.P.No.5 (Vesu-Bhimrad), At : Vesu, Tal: Choryasi, Dist: Surat.

Now, the project proponent vide their letter dated 13/01/2015 submitted a revised Form-I & Form-IA and requested for amendment in the Environmental Clearance order dated 22/05/2012 for the proposed changes in the scope and planning of the project. It was stated that the built up area of the project will be 1,66,621.55 m<sup>2</sup> after the proposed changes in the project.

The request of amendment was taken up during the meeting of SEAC held on 22/04/2015 and it was observed that the built up area of the project after the proposed changes will be 1,66,621.55 m<sup>2</sup> which is more than 1,50,000 m<sup>2</sup> and covered under the project activity 8(b) as per the schedule of the EIA Notification-2006.

Presentation made before the committee included the details like location of the project site, details of the building & units, water requirement & waste water requirement, MSW generation, parking area provision etc.

During the meeting held on 22/04/2015, after detailed discussion, certain additional Term of Reference were prescribed for the EIA study to be done covering 5 Km radial distance from the project boundary.

Project proponent vide their letter dated 03/11/2015 submitted EIA report prepared by M/s Hubert Enviro Care System Pvt. Ltd.

During the meeting the project was appraised based on the EIA report submitted by them and facts presented before the committee.

Sr. No.	Particulars	Details
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1.	Proposal is for	New Expansion Project [SIA/GJ/NCP/4544/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(b)															
4.	Name of the project	Celestial Dreams															
5.	Name of Developer	M/s. DRB Ravani Developers															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 180 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	Yes, based on previously granted Environmental Clearance, construction activity for 5 nos of Blocks have been already started.															
8.	Project Details	<ul style="list-style-type: none"> <li>Land / Plot Area (m<sup>2</sup>): 32,064 m<sup>2</sup></li> <li>FSI area (m<sup>2</sup>): 107517.42 m<sup>2</sup></li> <li>Total BUA (m<sup>2</sup>): 1,71,032.60 m<sup>2</sup></li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible,</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>118640.07</td> <td>107517.42</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>9484.56</td> <td>9129.11</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>2979.78</td> <td>2979.78</td> </tr> <tr> <td>Max. building height (m)</td> <td>69.43</td> <td>69.23</td> </tr> </tbody> </table>		Permissible,	Proposed	FSI Area (m <sup>2</sup> )	118640.07	107517.42	Ground Coverage (m <sup>2</sup> )	9484.56	9129.11	Common Plot Area (m <sup>2</sup> )	2979.78	2979.78	Max. building height (m)	69.43	69.23
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9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 7</li> <li>No. of Blocks: 7</li> <li>Scope of buildings/blocks: Hollow plinth + 10 floors for 4 buildings, Hollow plinth + 14 floors for 1 buildings, Hollow plinth + 18 floors for 2 buildings</li> <li>No. &amp; size of Residential Units: 212 units</li> <li>No. &amp; type of Commercial Units: ---</li> </ul> Details of amenities if any: Club house and jogging track															
10.	No. of expected residents / users	954															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 15.0</li> <li>Source of water: SMC water supply</li> <li>Waste water generation quantity (KL/day): 2.1</li> <li>Mode of disposal: SMC drain</li> </ul>															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Total water requirement (KL/day): 154.0</li> <li>Fresh water requirement (KL/day): 94.0</li> <li>Source of water: SMC water supply</li> <li>Waste water generation quantity (KL/day): 107.0</li> <li>Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening &amp; flushing purpose and only remaining quantity of treated sewage will be discharged into the drainage line of SMC.</li> <li>In case of STP provision, capacity of STP: - 150 KL/day</li> <li>STP Technology: - FMR technology</li> <li>Purposes for treated water utilization: Gardening &amp; flushing.</li> <li>Quantity of treated water to be reused: 1. Gardening (KL/day): 20 2. Flushing (KL/day): 40</li> <li>Provision of dual plumbing system (Yes/No): - Yes</li> </ul>															

		<ul style="list-style-type: none"> <li>Quantity and type (treated/untreated)of water to be discharged: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening &amp; flushing purpose and only remaining quantity of treated sewage will be discharged into the drainage line of SMC.Mode of disposal: As above.</li> </ul>																																	
13.	Status of water supply and drainage line	Both drainage and water supply lines are available at site																																	
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>2643.14 m<sup>3</sup></td> <td>2643.14 m<sup>3</sup></td> <td rowspan="2">Utilized for backfilling and greenbelt development within project site, Excess Soil shall be sold to nearby project after payment of royalty to Government (If any)</td> </tr> <tr> <td>Other excavated earth</td> <td>106338.56 m<sup>3</sup></td> <td>21881.5 m<sup>3</sup></td> </tr> <tr> <td>Construction debris</td> <td>15 KG/day</td> <td rowspan="3">Nil</td> <td rowspan="3">Sold off to recyclers</td> </tr> <tr> <td>Steel scrap</td> <td>15 KG/day</td> </tr> <tr> <td>Discarded packing materials</td> <td>6 KG/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>372</td> <td rowspan="2">Into bins to be provided within premises</td> <td rowspan="2">Collection through door to door waste collection system of SMC and final disposal at Khajod disposal Site</td> </tr> <tr> <td>Wet waste</td> <td>200</td> </tr> <tr> <td>STP Sludge</td> <td>Whatsoever</td> <td>--</td> <td>Will be used as manure after drying or will be disposed off with the other MSW through SMC.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Details of segregation if to be done: Separate bins for dry and wet waste will be provided to each unit followed by separate duct system for waste</li> </ul>		Generation	Quantity to be reused	Mode of Disposal / Reuse	Top Soil	2643.14 m <sup>3</sup>	2643.14 m <sup>3</sup>	Utilized for backfilling and greenbelt development within project site, Excess Soil shall be sold to nearby project after payment of royalty to Government (If any)	Other excavated earth	106338.56 m <sup>3</sup>	21881.5 m <sup>3</sup>	Construction debris	15 KG/day	Nil	Sold off to recyclers	Steel scrap	15 KG/day	Discarded packing materials	6 KG/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	372	Into bins to be provided within premises	Collection through door to door waste collection system of SMC and final disposal at Khajod disposal Site	Wet waste	200	STP Sludge	Whatsoever	--	Will be used as manure after drying or will be disposed off with the other MSW through SMC.
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		<p>collection.</p> <ul style="list-style-type: none"> <li>• Capacity and no. of community bins to be placed within premises: 7 nos of bins having capacity of 50 kg each for dry waste and 7 nos of 30 kg for wet waste will be provided to building.</li> <li>• Landfill site where waste will be ultimately disposed by local authority: Khajod Disposal Site</li> </ul>
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 53,758.71 m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR: 53,758.71 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC : 212</li> <li>• Number of CPS requirement for residential units as per NBC: 212</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 53,843.78 m<sup>2</sup> and 1,813 CPS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 39,308.1 m<sup>2</sup> and 1228 CPS.</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: 5,946.97 m<sup>2</sup> and 212 CPS.</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 8,588.71 m<sup>2</sup> and 373 CPS.</li> </ul>
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 60 m &amp; 18 m wide TP road</li> <li>• Number of Entry &amp; Exit provided on approach road/s: 3 gates will be provided.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.5 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 7.5 m</li> <li>• Width of all internal roads: 7.5 m</li> </ul>
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 system &amp; ground water recharge, installation of STP &amp; reuse of treated sewage etc.</p>
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand: 9441 KW Connected load: 10000 KW Source: DGVCL</li> <li>• Energy saving measures:</li> <li>• DG Sets: No. and capacity of the DG sets: 5 × 125 KVA Fuel &amp; its quantity: diesel (15 Liter/h) Note : - D.G. Sets 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. will be used in case of power failure or fire emergency</li> </ul>
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> <li>• 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 &amp; ambulance services, provision of PPE'S like helmet,</li> </ul>

		<p>gumboot/safety shoes, safety net, safety goggles etc.</p> <ul style="list-style-type: none"> <li>• During the operation phase: Fire extinguishers (portable &amp; 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 500 KL capacity, smoke detectors, automatic sprinkler system in basement etc.</li> <li>• Nearest fire station: Bhatar fire station. Distance from project site: 4 km.</li> </ul>				
20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)
	A	18	1541.31	2+1 (Auxiliary Stair)	2.01 m	Less than 15 m
	B	10	982.00	2	1.52 m	Less than 15 m
	C	18	1191.69	2	2.01 m	Less than 15 m
	D	10	1192.12	2	1.52 m	Less than 15 m
	E	14	1326.00	2	1.83 m	Less than 15 m
	F	10	1192.12	2	1.52 m	Less than 15 m
	G	10	982.00	2	1.52 m	Less than 15 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: 18 m</li> <li>• No. &amp; dimensions of RWH tank(s) :-</li> <li>• No. and depth of percolations wells : 9</li> <li>• Details on Pre-treatment facilities : only roof top rainwater harvesting is proposed</li> </ul>				
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 1,648.0</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): 800.0</li> <li>• Lawn covered area (m<sup>2</sup>): 3,206.0</li> <li>• Total Green Area (m<sup>2</sup>): 5,654.0</li> <li>• Green Area % of plot area: 15.13%</li> <li>• No. of trees and species to be planted: 600 with in campus and 1500 outside campus</li> </ul>				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of 141 lacs & recurring cost of 21 lacs has been proposed to allocate towards waste water management, solid waste management, rain water harvesting, green belt development, noise control etc.				
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 & 12 for all the survey numbers have been submitted by them which shows ownership of N.A land by M/s DRB Ravani Developers.
28.	Details of EIA report	<ul style="list-style-type: none"> <li>• EIA report prepared by M/s Hubert Enviro Care System Pvt. Ltd.</li> <li>• Study period: January 2015 to March 2015.</li> <li>• Study area: 5 km radial area from the boundary of the project site.</li> <li>• Environmental attributes considered for EIA study: Air, water (surface &amp; ground water), noise, land, biological environment, socio-economic study, traffic etc.</li> <li>• Observations: Baseline ambient air quality in terms of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub> &amp; NO<sub>x</sub> was well within the NAAQM standards. Noise level during day time at 1 out of total 8 sampling locations was found slightly higher than the standards prescribed by CPCB. Noise level at all the other sampling locations were found well within the Noise Level Standards prescribed by CPCB.</li> </ul>

During the meeting, it was observed that the project proponent has obtained NOC from Airports Authority of India for building height of 69.43 m above the ground level. It was found from the EIA report that the traffic survey was carried out on City light road junction reveals only the existing traffic scenario but it is lacking in providing details of the proposed traffic load on the road/s after the proposed project and its impact on the existing road network. It was presented that they have applied for built up area of 1,66,621.55 m<sup>2</sup> but due to minor changes in project, built up area of the project has now become 1,71,032.60 m<sup>2</sup>, which is mentioned in the EIA report. They have submitted a copy of permission obtained from Urban Development and Urban Housing Department, Sachivalaya, Gandhinagar for use of FSI up to 3.98. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Revised Form I & IA and project plans with revised built up area & FSI area details of the project as mentioned in the EIA report.
2. Details on requirement of refuge area in two nos. of high rise buildings of 18 floors as per the GDCR & NBC and details on provision of the same, if any.
3. Resultant impact of the existing & proposed traffic load on the existing road network.
4. An undertaking by the Project Proponent on the ownership of the EIA report as per the MoEF&CC OM dated 05/10/2011 and an undertaking by the Consultant regarding the prescribed TORs have been complied with and the data submitted is factually correct as per the MoEF&CC OM dated 04/08/2009.

3.	Gajanana	S.No.587/3/A, Ajwa-Namieta Road, Moje-Kumetha, Vadodara	Appraisal case
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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 treated sewage will be stored onsite in a collection tank of 700.0 KL capacity (i.e 6 days storage capacity) when the treated sewage utilization for greenbelt development purpose is not possible. After detailed discussion, it was decided further appraise the project only after submission of the following:

1. Land possession documents, 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).

2. Exact source of water supply during the operation phase of the project. Permission / letter of intent from the concerned competent authority for availability of water supply to the project and expected time limit within which the facility will be available to the project.
3. In case of ground water abstraction, submit the details on plan for rain water harvesting and ground water recharge revealing that quantity of ground water extraction would be compensated by equivalent or more quantity of rain water recharged, 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 on provisions of pre-treatment of the rainwater in the case of surface run off is to be harvested. Location of recharge percolation wells on the layout plan.
4. In case of ground water utilization during the operation phase of the project, the detailed study on geo-hydrology of the area should be submitted. Impact of proposed ground water extraction on the ground water table & ground water quality of the area, its impact on other competitive users & borewells in the surrounding area. Permission obtained from the Central Ground Water Authority for extraction of ground water.
5. Impact of treated sewage utilization & storage on ground water quality.
6. Drawings showing the total plot area of each individual type of raw house, ground coverage, open area & parking area available within each type of individual raw house.
7. Permission from concerned competent authority for disposal of municipal solid waste to be generated during the operation phase.
8. In case the project site falls under the Town Planning Scheme of VUDA, map of T.P.Scheme map of VUDA should be submitted.

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

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

During the meeting, it was presented that they have applied for obtaining N.A permission and document from Collector office, Vadodara, showing that their N.A application is in process, has been submitted. It was presented that 27,002.32 m<sup>3</sup>/year of rain water will be available for ground water recharge through harvesting against the annual ground water withdrawal quantity of 33,580.0 m<sup>3</sup>. It is proposed to provide 4 nos of percolation wells at nearby public places like Government school & building to compensate balance of 6,578.0 m<sup>3</sup> of ground water abstraction. It was presented that they have applied to Central Ground Water Authority for the proposed ground water abstraction. It was presented that they will provide pakka underground storage tank with LDPE layer for treated sewage in order to avoid any contamination of ground water. During the meeting, it was observed that they have not addressed the issues of parking, ground water recharge outside the premises with back up calculation & location of recharge wells, municipal solid waste management during operation phase properly and hence after detailed discussion it was decided to consider the project only after submission of the following:

1. Status of permission from Central Ground Water Authority/ concerned competent authority for ground water withdrawal for the proposed project or copies of correspondences made in this regard.
2. Drawings showing the total plot area of each individual type of raw house, ground coverage, open area & parking area available within each type of individual raw house.
3. Complete management & disposal plan for municipal solid waste to be generated during the operation phase.

4. Details on provision to be made for ground water recharge structures outside the premises, location of the structures, distance from the project site, quantity of ground water to be recharged with back up scientific calculations, permission of concerned authority in this regard etc. to ensure that the ground water withdrawal will be compensated by the equivalent or more quantity of ground water recharge.

4.	Essar Vadinar Properties	At S.No.138,139/1,141,13,146-152,157-160, Vadinar, Dist: Jamnagar.	EC Validity Extension
----	--------------------------	--	-----------------------

M/s Vadinar Properties Ltd was granted EC by SEIAA vide order No. SEIAA/GUJ/EC/8(b)104/2008 dated 25.09.2008, valid till 24.09.2013. Project proponent vide their letter dated -----submitted revised Form-I & Form-IA and compliance status of the conditions stipulated in the Environmental Clearance order dated 25/09/2008 for validity extension of the Environmental Clearance.

During the meeting it was presented that after getting Environmental Clearance & CTE, they have started construction activity in May-2010 which was continued till project came to halt in April 2013 due to financial crunch and could not be completed before expiry of the EC validity (24/09/2013).At present 10% of the total project construction activities have been completed and presently there is no project activity at site.

After detailed deliberation, the project proponent was asked to carry out afresh one season EIA study and to incorporate it in the EIA report along with the revised project details. It was decided to further appraise the project only after submission of the revised EIA report.

5.	Residential project with essential shops by M/s Shree Sidhhi Infrabuild Ltd.	S.No.177 & 178, F.P.No.11, T.P.S.No.35, Jagatpur, Dascroi, 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/2397/2015]																	
2.	Type of Project	Residential project with essential shops																	
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)																	
4.	Name of the project	Residential project with essential shops																	
5.	Name of Developer	Shree Siddhi Infrabuild Pvt. Ltd.																	
6.	Estimated Project Cost (Rs. In Crores)	80 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"> <li>• Land / Plot Area (m<sup>2</sup>): 18,151.0</li> <li>• FSI area (m<sup>2</sup>):46,111.82</li> <li>• Total BUA (m<sup>2</sup>):98,576.95</li> </ul> <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 (m<sup>2</sup>)</td> <td>49,007.70</td> <td>46,111.82</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>---</td> <td>6,108.97</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>2,416.95</td> <td>2,416.95</td> </tr> <tr> <td>Max. building height (m)</td> <td>45.0</td> <td>45.0</td> </tr> </tbody> </table>				Permissible	Proposed	FSI Area (m <sup>2</sup> )	49,007.70	46,111.82	Ground Coverage (m <sup>2</sup> )	---	6,108.97	Common Plot Area (m <sup>2</sup> )	2,416.95	2,416.95	Max. building height (m)	45.0	45.0
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Max. building height (m)	45.0	45.0																	
9.	Building Details	• No. of Buildings:4																	

		<ul style="list-style-type: none"> <li>No. of Blocks:4</li> <li>Scope of buildings/blocks: 2 level basement + ground floor (parking &amp; shops) + 13 floors.</li> <li>No.&amp; size of Residential Units:340 flats</li> <li>No. &amp; type of Commercial Units: 78 Shops</li> </ul>																																
10.	No. of expected residents / users	Resi.-1800 users including floating population																																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day):30.0</li> <li>Source of water:AMC water supply</li> <li>Waste water generation quantity (KL/day):4.5</li> <li>Mode of disposal:Soak pit</li> <li>Details of reuse of water, if any:N.A.</li> </ul>																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day):258.0</li> <li>Source of water:AMC water supply</li> <li>Waste water generation quantity (KL/day):215.0</li> <li>Mode of disposal: Into municipal drainage line.</li> </ul>																																
13.	Status of water supply and drainage line	Water supply& drainage line will be provided by AMC.																																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil &amp; Other excavated earth</td> <td>75,000</td> <td>75,000</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>545</td> <td>Into bins to be provided to each unit.</td> <td>Through agency approved by AMC</td> </tr> <tr> <td>Wet waste</td> <td>363</td> <td>Into bins to be provided to each unit.</td> <td>Through agency approved by AMC</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Details of segregation if to be done: No.</li> <li>Capacity and no. of community bins to be placed within premises: Total 43 bins with 80 lit capacity will be provided for residential blocks &amp; 7 bins with 80 lit capacity will be provided for commercial units.</li> </ul>		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil & Other excavated earth	75,000	75,000	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	545	Into bins to be provided to each unit.	Through agency approved by AMC	Wet waste	363	Into bins to be provided to each unit.	Through agency approved by AMC
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15.	Parking Details	<ul style="list-style-type: none"> <li>Total parking area requirement for the project as per GDCR:10,433.9 m<sup>2</sup></li> <li>Parking area requirement for residential units as per GDCR: 9,222.36 m<sup>2</sup></li> <li>Parking area requirement for Commercial units as per GDCR: 1,211.54 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC:394 CPS</li> <li>Number of CPS requirement for residential units as per NBC: 340 CPS</li> <li>Number of CPS requirement for commercial units as per NBC:54</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS :28,772.86 m<sup>2</sup> &amp; 909CPS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 26,707.08 m<sup>2</sup> &amp; 834 CPS</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: 1,668.63 m<sup>2</sup> &amp; 60 CPS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 397.15 m<sup>2</sup> &amp;15 CPS.</li> </ul>																									
16.	Traffic Management	<ul style="list-style-type: none"> <li>Width of adjacent public roads: 30 m, 18 m &amp; 12 m.</li> <li>Number of Entry &amp; Exit provided on approach road/s: 3 gates will be provided.</li> <li>Width of Entry &amp; Exit provided on approach road/s: 9 m &amp; 7.5 m.</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):</li> <li>Width of all internal roads: 6 m.</li> </ul>																									
17.	Details of Green Building measures proposed.	<ul style="list-style-type: none"> <li>Fly ash/PPC will be used in concrete, paving blocks and any cement applications.</li> <li>Lead free paint, enamels will be used for painting wooden and metal surfaces.</li> <li>Provision of CFL/LED lights</li> </ul>																									
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>Power supply: Maximum demand:2000 KVA Connected load:2500 KVA Source:Gujarat Electricity Board</li> <li>Energy saving measures:Energy efficient electrical appliances will be provided like CFL &amp; PL.Provision to provide enough daylight in the building to permit maximum daylight to interior to minimize overall energy consumption.</li> <li>DG Sets: No. and capacity of the DG sets:2 x 150 KVA Fuel &amp; its quantity:50 lit/hr</li> </ul>																									
19.	Fire and Life Safety Measures	Dedicated water storage for firefighting, fire extinguishers & fire alarm at each floor of all the buildings, hose reels, external hydrants, wet risers, automatic sprinkler systems in basements (1 sprinkler /10 m <sup>2</sup> ), pumping arrangement with riser system & pressure pump, auto operation with pressure switch, displaying of important telephone numbers etc.																									
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>Level of the Ground water table:35-40 m BGL</li> <li>No. &amp; dimensions of RWH tank(s): ---</li> <li>No. and depth of percolations wells:5 nos. of percolating wells.</li> </ul>																									

		• Details on Pre-treatment facilities : --
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>):1,138.38</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>):416.95</li> <li>• Lawn covered area (m<sup>2</sup>):2000.00</li> <li>• Total Green Area (m<sup>2</sup>):3555.33</li> <li>• Green Area % of plot area:20%</li> <li>• No. of trees and species to be planted:273</li> </ul>
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, first aid facilities etc.
27.	Documents related to land possession.	N.A order submitted for both the survey numbers shows that the land for residential use is in the name of applicant i.e the owner of M/s Shree Siddhi Infrabuild Pvt. Ltd.

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 and to reuse treated sewage for purposes like flushing, gardening etc. within premises. While asking by the committee the project proponent replied that water supply & drainage facility of AMC will be available to the project and they have also paid charges to AMC. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Proposal for providing STP for treatment of sewage to be generated during operation phase and details of Sewage Treatment Plant with its capacity, size of each unit, retention time and its location on the plan. Measures proposed to avoid odour nuisance due to the STP in operation phase. Revised water balance details considering the reuse of treated sewage for various purposes within premises. STP sludge management plan. Design details & drawings of dual plumbing system.
2. Copy of receipt obtained from AMC against various charges paid by them.

6.	Karunasagar Infrastructure	R.S.No.497, F.P.No.17/2, T.P.S.No.72, At Hathijan, 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
2.	Type of Project	Residential & Commercial Building Project
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Residential & Commercial Building Construction Project

5.	Name of Developer	Karunasagar Infrastructure.																		
6.	Estimated Project Cost (Rs. In Crores)	Rs . 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"> <li>Land / Plot Area (m<sup>2</sup>): 5792</li> <li>FSI area (m<sup>2</sup>): 15434.4 (used)</li> <li>Total BUA (m<sup>2</sup>): 21,004.66 m<sup>2</sup></li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area, (m<sup>2</sup>)</td> <td>16,124.40</td> <td>15,434.4</td> </tr> <tr> <td>Ground Coverage, (m<sup>2</sup>)</td> <td>-</td> <td>2120</td> </tr> <tr> <td>Common Plot Area, (m<sup>2</sup>)</td> <td>597.20</td> <td>611.98</td> </tr> <tr> <td>Max. building height, (m)</td> <td>45.0</td> <td>30.0</td> </tr> </tbody> </table>				Permissible	Proposed	FSI Area, (m <sup>2</sup> )	16,124.40	15,434.4	Ground Coverage, (m <sup>2</sup> )	-	2120	Common Plot Area, (m <sup>2</sup> )	597.20	611.98	Max. building height, (m)	45.0	30.0	
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Max. building height, (m)	45.0	30.0																		
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 5</li> <li>No. of Blocks: 6</li> <li>Scope of buildings/blocks: Ground floor (parking &amp; shops) + 7 floors.</li> <li>No. of Residential Units: 287 flats</li> <li>No. of commercial units: 21 shops</li> <li>Details of amenities if any: -</li> </ul>																		
10.	No. of expected residents / users	1498 person																		
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 34</li> <li>Source of water: Local water tankers.</li> <li>Waste water generation quantity (KL/day): 3</li> <li>Mode of disposal: Septic tank to sock pit</li> <li>Details of reuse of water, if any: No</li> </ul>																		
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 196</li> <li>Source of water: AMC water supply</li> <li>Waste water generation quantity (KL/day): 157</li> <li>Mode of disposal: Sewage will be discharged into AMC sewerage line.</li> </ul>																		
13.	Status of water supply and drainage line	Water supply & drainage connection of AMC will be available to the project during operation phase of the project.																		
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Generation (kg/day)</th> <th>Quantity to be reused (kg/day)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>5.60</td> <td>100 % reuse</td> <td>For garden area development</td> </tr> <tr> <td>Other excavated earth</td> <td>20.2</td> <td>50 % reuse for back filling.</td> <td>Remaining will be send to the nearest collection point of AMC</td> </tr> <tr> <td>Construction debris</td> <td>72.5</td> <td>30% reuse</td> <td>Remaining will be send to the nearest</td> </tr> </tbody> </table>			Description	Generation (kg/day)	Quantity to be reused (kg/day)	Mode of Disposal / Reuse	Top Soil	5.60	100 % reuse	For garden area development	Other excavated earth	20.2	50 % reuse for back filling.	Remaining will be send to the nearest collection point of AMC	Construction debris	72.5	30% reuse	Remaining will be send to the nearest
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				for road sub base	collection point of AMC
		Steel scrap	3.0	30% reuse	Remaining will be sold to scrap vendors.
		Discarded packing materials	1.0	-	Sell to vendors
Total Solid Waste shall (50 workers x 500 gm/person/) 25 kg/day					
Operation Phase:					
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste -Papers, cartons, thermocol, plastic, polythene bags, glasses etc.	1200	Organic waste and In organic waste will be collected in different buckets.	The recyclable waste will be sold off to recyclers and non recyclable solid waste will be transferred to the nearest MSW collection point of AMC.
		Wet waste -Waste vegetable and food			
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: collection of organic and inorganic waste will be in different buckets and it will be subsequently collected by AMC</li> <li>• Capacity and no. of community bins to be placed within premises: No of Bins: 36 Res. &amp; 3 Com. ; Volume of Bins: 10 Lit each</li> <li>• Landfill site where waste will be ultimately disposed by local authority: At the nearest MSW collection point of AMC.</li> </ul>			
15.	Parking Details	<ul style="list-style-type: none"> <li>• Parking area requirement for residential units as per GDCR: 1,781.71 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC : 165</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS Nil</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS: 2,568.34 m<sup>2</sup> &amp; 92 CPS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 2,092.35 m<sup>2</sup> &amp; 91 CPS.</li> </ul>			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 18.0 m &amp; 12 m wide TPS roads</li> <li>• Number of Entry &amp; Exit provided on approach road/s: One gate will be provided.</li> <li>• Width of Entry &amp; 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</li> </ul>			

		<ul style="list-style-type: none"> <li>• Width of all internal roads: 7.5 m</li> </ul>																																				
17.	Details of Green Building measures proposed.	Use of transformers & motors having minimum efficiency of 85%, use of CFL lights in common areas, use of light colours to reduce the light absorption and minimize the cooling requirement, rain water harvesting & ground water recharge etc.																																				
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply:</li> <li>• Maximum demand: 750 KW</li> <li>• Connected load: -</li> <li>• Source : Torrent Power Limited</li> <li>• Energy saving measures: Use of transformers &amp; motors having minimum efficiency of 85%, use of CFL lights in common areas, use of light colours to reduce the light absorption and minimize the cooling requirement,</li> <li>• DG Sets: Not proposed.</li> </ul>																																				
19.	Fire and Life Safety Measures	Fire extinguishers at each floor, underground water tank of 100 KL capacity, overhead tank of 5 KL on each block etc.																																				
20.	Details on staircase <table border="1" data-bbox="188 819 1273 1133"> <thead> <tr> <th>Type &amp; no. of buildings</th> <th>No. of floors</th> <th>Floor area m<sup>2</sup></th> <th>No. of staircase</th> <th>Width of the staircase(m)</th> <th>Max. Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>G+7</td> <td>322</td> <td>1</td> <td>1.52</td> <td>&lt;20</td> </tr> <tr> <td>B</td> <td>G+7</td> <td>322</td> <td>1</td> <td>1.52</td> <td>&lt;20</td> </tr> <tr> <td>C</td> <td>G+7</td> <td>322</td> <td>1</td> <td>1.52</td> <td>&lt;20</td> </tr> <tr> <td>D + E</td> <td>G+7</td> <td>705</td> <td>2</td> <td>1.52</td> <td>&lt;20</td> </tr> <tr> <td>F</td> <td>G+7</td> <td>450</td> <td>1</td> <td>1.52</td> <td>&lt;20</td> </tr> </tbody> </table>		Type & no. of buildings	No. of floors	Floor area m <sup>2</sup>	No. of staircase	Width of the staircase(m)	Max. Travel distance (m)	A	G+7	322	1	1.52	<20	B	G+7	322	1	1.52	<20	C	G+7	322	1	1.52	<20	D + E	G+7	705	2	1.52	<20	F	G+7	450	1	1.52	<20
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F	G+7	450	1	1.52	<20																																	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: 30 m below ground level</li> <li>• No. &amp; dimensions of RWH tank(s) : 2 nos</li> <li>• No. and depth of percolations wells : 2 nos</li> <li>• Details on Pre-treatment facilities : Filtration &amp; oil &amp; grease removal.</li> </ul>																																				
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 824</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): 1000</li> <li>• Lawn covered area (m<sup>2</sup>): 2000</li> <li>• Total Green Area (m<sup>2</sup>): 3,824</li> <li>• Green Area % of plot area: 18.7 %</li> <li>• No. of trees and species to be planted: 412</li> </ul>																																				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Rs. 20 lacs will be allocated for Environment Management Plan during the operation phase.																																				
24.	Proposed dust control measures during the construction phase	All the loose material either stacked or transported will be provided with suitable covering such as tarpaulin and water sprinkling.																																				
25.	Eco friendly building material usage details.	Use of Ready Mix Concrete (RMC) & lead free paints.																																				

26.	Documents related to land possession.	Village form no. 7 as on June 2015 shows that the land for residential & commercial use is in the name of M/s Karunasagar Infrastructure.
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During the meeting, the project proponent was suggested to increase the parking area provision of the project by providing basement. 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 by providing basement in the project. Revised realistic details on the parking area provision based on the actual parking area available in the proposed basement, hollow plinth & as open surface parking.
2. Layout plan showing two separate gates for entry/exit.
3. 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.
4. Details on the amenities to be provided to the construction workers.

7.	Medical College & Hospital by Marvell Mall Development Company Pvt. Ltd.	at S.P.No.61/1/3 (62/1/A/3 + 62/1/A/4 + 62/1/A/7), F.P.No.62, T.P.S.No.44, Chandkheda, 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 [SIA/GJ/NCP/2988/2015]															
2.	Type of Project	Building construction project for proposed medical college & hospital															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Building construction project for proposed medical college & hospital															
5.	Name of Developer	Marvell Mall Development Company Pvt. Ltd.															
6.	Estimated Project Cost (Rs. In Crores)	Rs . 160 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> <li>• Land / Plot Area (m<sup>2</sup>): 43,723.52</li> <li>• FSI area (m<sup>2</sup>): 73,601.0</li> <li>• Total BUA (m<sup>2</sup>): 1,07,096.36 m<sup>2</sup></li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area, m<sup>2</sup></td> <td>78,702.33</td> <td>73,601.0</td> </tr> <tr> <td>Ground Coverage, m<sup>2</sup></td> <td>-</td> <td>13,157.93</td> </tr> <tr> <td>Common Plot Area, m<sup>2</sup></td> <td>4,372.35</td> <td>4,387.74</td> </tr> <tr> <td>Max. building height, m</td> <td>45.0</td> <td>44.1</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area, m <sup>2</sup>	78,702.33	73,601.0	Ground Coverage, m <sup>2</sup>	-	13,157.93	Common Plot Area, m <sup>2</sup>	4,372.35	4,387.74	Max. building height, m	45.0	44.1
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Max. building height, m	45.0	44.1															
9.	Building Details	<ul style="list-style-type: none"> <li>• No. of Buildings: 5</li> </ul>															

		<ul style="list-style-type: none"> <li>No. of Blocks: 8</li> <li>Scope of buildings/blocks: 4 blocks of medical college &amp; hospital – basement + ground floor+ 7 floors. 1 block of nursing quarters - basement + hollow plinth + 12 floors. 1 block of girls hostel - basement + hollow plinth + 10 floors. 1 block of teaching &amp; non teaching staff quarters - basement + hollow plinth + 10 floors. 1 block of boys hostel - basement + hollow plinth + 6 floors.</li> <li>No. of units: 63 Beds + 325 Hostel rooms + 170 Staff quarters</li> <li>Details of amenities if any: -</li> </ul>								
10.	No. of expected residents / users	560 person								
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 18</li> <li>Source of water: Water tankers</li> <li>Waste water generation quantity (KL/day): 7</li> <li>Mode of disposal: Septic tank to sock pit</li> <li>Details of reuse of water, if any: No</li> </ul>								
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Total water requirement (KL/day): 894.0</li> <li>Fresh water requirement (KL/day): 459.0</li> <li>Source of water: AMC Water Supply</li> <li>Waste water generation quantity (KL/day): 590.0</li> <li>Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for flushing, gardening &amp; HVAC cooling purposes within premises and only remaining quantity of treated sewage (if any) will be discharged into the drainage line of AMC.</li> <li>In case of STP provision, capacity of STP: 200 KL/day in 3 modules.</li> <li>STP Technology: Primary, secondary &amp; tertiary with bioreactor.</li> <li>Purposes for treated water utilization: Flushing, gardening &amp; HVAC cooling purposes.</li> <li>Quantity of treated water to be reused: 1. Gardening (KL/day): 95.0 2. Flushing (KL/day): 190.0 3. HVAC cooling (KL/day): 150.0</li> <li>Provision of dual plumbing system (Yes/No): Yes</li> <li>Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for flushing, gardening &amp; HVAC cooling purposes within premises and only remaining quantity of treated sewage (if any) will be discharged into the drainage line of AMC.</li> <li>Mode of disposal: As above.</li> </ul>								
13.	Status of water supply and drainage line	Water supply and drainage line of AMC will be available to the project as the project is covered under the Town Planning Scheme No. 44 (Chandkheda) of AMC.								
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Generation (kg/day)</th> <th>Quantity to be reused (kg/day)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>5.0</td> <td>100 % reuse</td> <td>For garden development</td> </tr> </tbody> </table>	Description	Generation (kg/day)	Quantity to be reused (kg/day)	Mode of Disposal / Reuse	Top Soil	5.0	100 % reuse	For garden development
Description	Generation (kg/day)	Quantity to be reused (kg/day)	Mode of Disposal / Reuse							
Top Soil	5.0	100 % reuse	For garden development							

		Other excavated earth	25	50 % reuse for back filling.	Remaining will be send to the nearest collection point of AMC
		Construction debris	75	30% reuse for road sub base	Remaining will be send to the nearest collection point of AMC
		Steel scrap	5	30% reuse	Remaining will be sold to scrap vendors.
		Discarded packing materials	1.2	-	Sell to Actual Users
Total Solid Waste shall (100 workers x 500 gm/person/) 50 kg/day					
Operation Phase:					
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste -Papers, cartons, thermocol, plastic, polythene bags, glasses etc. Wet waste -Waste vegetable and food	1200	Organic waste and In organic waste will be collected in different buckets.	The recyclable waste will be sold off to recyclers and non recyclable solid waste will be transferred to the nearest MSW collection point of AMC.
		Biomedical waste	400	Will be segregated, handled & stored as per the provisions of Bio Medical Waste (Management & Handling) Rules 1998.	Treatment & disposal through authorized Common Bio medical Waste Treatment Facility named Ecoli Waste Management P. Ltd.
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: collection of organic and inorganic waste will be in different buckets and it will be subsequently collected by AMC.</li> <li>• Capacity and no. of community bins to be placed within premises: No of</li> </ul>			

		Bins: 8; Volume of Bins: 80 Lit each <ul style="list-style-type: none"> <li>Landfill site where waste will be ultimately disposed by local authority: At the nearest MSW collection point of AMC.</li> </ul>				
15.	Parking Details	<ul style="list-style-type: none"> <li>Parking area requirement for the project as per GDCR: 33,214.7 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC : 767 CPS</li> <li>Total parking area provided: 34,373.53 m<sup>2</sup> &amp; 1293 CPS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 16,415.08 m<sup>2</sup> &amp; 513 CPS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 17,958.45 m<sup>2</sup> &amp; 780 CPS.</li> </ul>				
16.	Traffic Management	<ul style="list-style-type: none"> <li>Width of adjacent public roads: 18.0 m TPS Road</li> <li>Number of Entry &amp; Exit provided on approach road/s: 3 gates will be provided</li> <li>Width of Entry &amp; Exit provided on approach road/s: 7.5 m, 9 m &amp; 12 m.</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4 m</li> <li>Width of all internal roads: 7.5 m, 9 m &amp; 12 m.</li> </ul>				
17.	Details of Green Building measures proposed.	APFCR panel for power factor improvement, maximise the solar energy utilization through solar panels to run street lights, common area & pathway lighting, emergency lighting etc., external surface protected by overhangs, fins & trees, shading of window, minimize glazing in East & West, installation of STP & reuse of treated sewage, rain water harvesting & ground water recharge etc.				
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>Power supply: Maximum demand: 1500 KW Connected load: -</li> <li>Source : Torrent Power Limited</li> <li>Energy saving measures: APFCR panel for power factor improvement, maximise the solar energy utilization through solar panels to run street lights, common area &amp; pathway lighting, emergency etc., external surface protected by overhangs, fins &amp; trees, shading of window, minimize glazing in East &amp; West, use of transformers and motors having minimum efficiency of 85%, use of light colors to reduce the light absorption and minimize the cooling requirement will be used for the walls and ceiling.</li> <li>DG Sets: No. and capacity of the DG sets: 1 × 750 KVA (for residential buildings), 5 × 1500 KVA (for non residential blocks)</li> </ul>				
19.	Fire and Life Safety Measures	Underground static fire water storage tanks of 200 KL capacity, terrace fire water storage tanks, sprinkler system, hydrant valve, hose reel, DCP & CO <sub>2</sub> type fire extinguishers, manual call point, hooter, hose box & riser pipe etc.				
20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area m <sup>2</sup>	No. of staircase /Lift	Width of the staircase(m)	Travel distance (m)
	A+B+C+D	G + 7	7585.91 (max.)	9/12	1.52	Less than

	E	H.P.+12	478.54	1 / 2	1.52	25	
	F	H.P.+10	520.50	½	1.52		
	G	H.P.+10	655.64	2 / 2	1.52		
	H	H.P.+6	673.84	1 / 2	1.52		
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: ---</li> <li>• No. &amp; dimensions of RWH tank(s) : 2 nos</li> <li>• No. and depth of percolations wells : 11 nos.</li> <li>• Details on Pre-treatment facilities : Filtration, oil &amp; grease removal.</li> </ul>					
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 2,623.41</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): included in lawn covered area.</li> <li>• Lawn covered area (m<sup>2</sup>): 2724.16</li> <li>• Total Green Area (m<sup>2</sup>): 5,347.57</li> <li>• Green Area % of plot area: @11%</li> <li>• No. of trees and species to be planted: 656 trees of local species.</li> </ul>					
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary provision of Rs. 23 lacs has been made for municipal solid waste management & disposal, green belt development & rain water harvesting. Separate fund will be allocated for installation, operation & maintenance of STP, Biomedical waste management & solar energy utilization on actual basis.					
24.	Proposed dust control measures during the construction phase	All the loose material either stacked or transport will be provided with suitable covering such as tarpaulin. Water sprinkling & barricading the project site.					
25.	Eco friendly building material usage details.	Maximum use of RMC & fly ash based cement etc.					
26.	Amenities to be provided to the construction workers.	Sanitation facilities, drinking water, first aid & personal protective equipments etc.					
27.	Documents related to land possession.	N.A order for commercial use (educational) is in the name of M/s Marvell Mall Development Company P. Ltd.					
<p>During the meeting, it was observed that they have submitted a copy of membership certificate of Ecoli Waste Management P. Ltd. for collection, treatment &amp; disposal of Biomedical waste to be generated from the proposed hospital &amp; medical college. A copy of opinion obtained from Fire &amp; Emergency Department of AMC for installation of fire fighting measures as well as plans showing fire fighting installations have been submitted. Plans showing floor wise emergency evacuation plan have been submitted by them. Layout plan showing location of STP has also been submitted. They have also submitted a copy of structural design certificate from a structural engineer for all the buildings. The project proponent was suggested to provide two staircases in the buildings of boys &amp; girls hostel also and the project proponent was agreed upon the same. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.</p>							
8.	Swastik Textile Market	B.No.102, O.P.No.14, F.P.No.21/1, T.P.S.No. 19 (Parvat Magob), Ta: Choryasi, Dist: Surat.			Screening & scoping / appraisal.		

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/2984/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Swastik Textile Market.															
5.	Name of Developer	M/s. Rameshbhai Rasikbhai Patel (C/o. Satyanarayan B. Rathi)															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 90 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> <li>Land / Plot Area (m<sup>2</sup>): 13,879.0</li> <li>FSI area (m<sup>2</sup>): 55,506.79</li> <li>Total BUA (m<sup>2</sup>) : 83,446.80</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>55,516.0</td> <td>55,506.79</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>6,939.50</td> <td>6,860.76</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>1,387.90</td> <td>1,407.00</td> </tr> <tr> <td>Max. building height (m)</td> <td></td> <td>43.92</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m <sup>2</sup> )	55,516.0	55,506.79	Ground Coverage (m <sup>2</sup> )	6,939.50	6,860.76	Common Plot Area (m <sup>2</sup> )	1,387.90	1,407.00	Max. building height (m)		43.92
	Permissible	Proposed															
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Common Plot Area (m <sup>2</sup> )	1,387.90	1,407.00															
Max. building height (m)		43.92															
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 1</li> <li>No. of Blocks: 1</li> <li>Scope of buildings/blocks: Commercial Textile Houses. 2 level basement + ground floor + 8 floors.</li> <li>No. &amp; size of Residential Units: --</li> <li>No. &amp; type of Commercial Units: 956 Textile Houses</li> <li>Details of amenities if any: --</li> </ul>															
10.	No. of expected residents / users	Expected residents: -- Expected shop users: 3824 Expected visitors: 1500															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 14.50</li> <li>Source of water: Borewell water</li> <li>Waste water generation quantity (KL/day): 2.16</li> <li>Mode of disposal: Soak pit</li> <li>Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment.</li> </ul>															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 125.0</li> <li>Source of water: Water supply from Surat Municipal Corporation (SMC).</li> <li>Waste water generation quantity (KL/day): 59.0</li> <li>Mode of disposal: Into drainage line of Surat Municipal Corporation (SMC).</li> <li>In case of STP provision, capacity of STP: Capacity 160.0 KL/day</li> <li>STP Technology: Primary, Secondary &amp; Tertiary Treatment.</li> <li>Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing.</li> </ul>															

		<ul style="list-style-type: none"> <li>Quantity of treated water to be reused: 1. Gardening (KL/day): 6.0 KL/Day 2. Flushing (KL/day): 70.0 KL/Day</li> <li>Provision of dual plumbing system (Yes/No): Yes</li> <li>Quantity and type (treated/untreated) of sewage to be discharged: 59.0 KL/Day of remaining quantity of treated sewage will be discharged into the underground drainage line of SMC.</li> <li>Mode of disposal: Into the underground drainage line of SMC after treatment and reuse within premises.</li> </ul>																																								
13.	Status of water supply and drainage line	The project is covered under the Town Planning Scheme of SMC and the water supply as well as drainage connection will be available to the project at the time of getting B.U. Permission.																																								
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>703.50</td> <td>703.50</td> <td>Reuse for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>86,787.64</td> <td>1,290.56 m<sup>3</sup> will be used for back filling</td> <td>Remaining will be send to other project site for back filling &amp; raising the plinth level in consultation with SMC.</td> </tr> <tr> <td>Construction debris</td> <td>876</td> <td>417</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>33</td> <td>--</td> <td>Sold to local scrap vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>21</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>480.0</td> <td>Blue colour bucket</td> <td>through S.M.C door to door waste collection system</td> </tr> <tr> <td>Wet waste</td> <td>320.0</td> <td>Green colour bucket</td> <td>through S.M.C door to door waste collection system</td> </tr> <tr> <td>STP Sludge</td> <td>--</td> <td>--</td> <td>Reused in gardening as manure within project premises</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste.</li> <li>Capacity and no. of community bins to be placed within premises: Two separate community bins for the building to collect dry &amp; wet waste.</li> <li>Landfill site where waste will be ultimately disposed by local authority: Khajod landfill Site of S.M.C</li> </ul>		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil	703.50	703.50	Reuse for developing garden area	Other excavated earth	86,787.64	1,290.56 m <sup>3</sup> will be used for back filling	Remaining will be send to other project site for back filling & raising the plinth level in consultation with SMC.	Construction debris	876	417	Reused as a filler up to plinth level and remaining will be reused in outer road development	Steel scrap	33	--	Sold to local scrap vendors	Discarded packing materials	21	--	Sold to local vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	480.0	Blue colour bucket	through S.M.C door to door waste collection system	Wet waste	320.0	Green colour bucket	through S.M.C door to door waste collection system	STP Sludge	--	--	Reused in gardening as manure within project premises
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Dry waste	480.0	Blue colour bucket	through S.M.C door to door waste collection system																																							
Wet waste	320.0	Green colour bucket	through S.M.C door to door waste collection system																																							
STP Sludge	--	--	Reused in gardening as manure within project premises																																							
15.	Parking Details	<ul style="list-style-type: none"> <li>Total parking area requirement for the project as per GDCR: 16,652.00 m<sup>2</sup></li> <li>Parking area requirement for Commercial units as per GDCR: 16,652.00</li> </ul>																																								

		<ul style="list-style-type: none"> <li>Total number of CPS requirement for the project as per NBC : 222</li> <li>Number of CPS requirement for commercial units as per NBC: 222</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 30,509.0 m<sup>2</sup> &amp; 981 ECS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 22,424.0 m<sup>2</sup> &amp; 702 ECS</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS: 1,038.0 m<sup>2</sup> &amp; 37 ECS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 1,800 m<sup>2</sup> &amp; 78 ECS</li> <li>Parking area provided as Basement Mechanical Parking (m<sup>2</sup>) &amp; No. of ECS: 5,246.0 m<sup>2</sup> &amp; 164 ECS.</li> </ul>														
16.	Traffic Management	<ul style="list-style-type: none"> <li>Width of adjacent public roads: 45.0 m &amp; 24.0 m wide roads.</li> <li>Number of Entry &amp; Exit provided on approach road/s: 3 gates will be provided.</li> <li>Width of Entry &amp; Exit provided on approach road/s: 9 m &amp; 5 m.</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m</li> <li>Width of all internal roads: 5 m</li> </ul>														
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, provision of STP & reuse of treated sewage etc.														
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>Power supply Maximum demand: 5000 KVA Source: DGVCL</li> <li>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</li> <li>DG Sets No. and capacity of the DG sets: 2 x 125 KVA Fuel &amp; its quantity: Low Sulphur High speed Diesel &amp; quantity 55 L/h in each.</li> </ul>														
19.	Fire and Life Safety Measures	Fire extinguishers at each floor, hose reel at each floor, wet riser opening at each floor, yard hydrant, automatic sprinkler system for all the passages & basement (1736 nos.), manually operated electric fire alarm system, automatic fire detection & alarm system, underground static fire water storage tanks of 640 KL capacity, terrace tank of 15 KL capacity, one electric & one diesel pump of capacity 2280 L/min. & one electric pump of capacity 180 L/min. having pressure 3.5 kg/cm <sup>2</sup> at terrace level.														
20.	Details on staircase															
	<table border="1"> <thead> <tr> <th>No. of Floor</th> <th>Floor Area (m<sup>2</sup>)</th> <th>No. of staircase</th> <th>Width of Staircase (m)</th> <th>No. of Fire Lift</th> <th>No. of Lift</th> <th>Maximum Travel Distance up to the Staircase &lt; 30 m</th> </tr> </thead> <tbody> <tr> <td>G (H.P.) + 08</td> <td>6,860.76</td> <td>04</td> <td>2.0</td> <td>08</td> <td>08</td> <td>22.23</td> </tr> </tbody> </table>	No. of Floor	Floor Area (m <sup>2</sup> )	No. of staircase	Width of Staircase (m)	No. of Fire Lift	No. of Lift	Maximum Travel Distance up to the Staircase < 30 m	G (H.P.) + 08	6,860.76	04	2.0	08	08	22.23	
No. of Floor	Floor Area (m <sup>2</sup> )	No. of staircase	Width of Staircase (m)	No. of Fire Lift	No. of Lift	Maximum Travel Distance up to the Staircase < 30 m										
G (H.P.) + 08	6,860.76	04	2.0	08	08	22.23										
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>Level of the Ground water table: 7 m</li> <li>No. &amp; dimensions of RWH tank(s) : 7 no. of RWH tanks; size: 4m x 3m x 3m size of Bore: 350 mm dia. size of pipe: 150 mm dia.</li> <li>No. and depth of percolations wells: 10 nos. of percolating wells,</li> <li>Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen.</li> </ul>														

22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 545.0</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): --</li> <li>• Lawn covered area (m<sup>2</sup>): 862.00</li> <li>• Total Green Area (m<sup>2</sup>): 1407.00</li> <li>• Green Area % of plot area: 10.13 %</li> <li>• No. of trees and species to be planted: 91 trees of Asopalav, Bamboo, Neem, Gulmohar etc. will be planted within premises.</li> </ul>
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 109.8 lacs and recurring cost of Rs. 5.2 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.	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.
27.	Documents related to land possession	Village form no. 7 & 12 shows that the agricultural land is in the name of applicant & others. Zoning certificate obtained from SMC shows that the project site falls in the residential zone.

During the meeting, while discussing about the fire fighting measures, it was presented that flame proof electrical fittings will be provided. MCB & RCB switches will be provided which will be tripped in case of case of fluctuation or higher power load to prevent electric overloading or sparking. While asking by the committee, it was replied that drinking water facility and separate toilet blocks for male & female will be provided on each floor as common facilities. It was presented that traffic survey was carried out at a junction of project site & Surat-Kadodara road which shows that the Level of Service in existing as well as in proposed scenario will remain the same as excellent "A". They have submitted a copy of notarized undertaking stating that any kind of manufacturing activity will not be allowed in the commercial units of the proposed project and any textile house will not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics. After discussing the various aspects of the project, it was decided to consider the project only after submission of the following

1. Details on the Permissible FSI for the proposed project with supporting documents showing availability of the FSI to the project.
2. Actual parking requirement for the proposed textile market as per the NBC norms and revised details on the parking area provision as per the requirement of the NBC norms.
3. Status of application made for obtaining permission for commercial use & N.A use of the project site & zoning certificate/documents showing that the proposed commercial activity is a permissible activity at the project site.

9.	Devnandan Buildcon	S.No.75/1 + 75/2, O.P.No.114, F.P.No.114, D.T.P.S.No. 121 (Naroda-Hanspura-Kathwada), Village: Hanspura, Ta:Dasroi, Dist: Ahmedabad	Screening & scoping / appraisal.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Devnandan Buildcon for the Building Construction Project at S.No.75/1 + 75/2, O.P.No.114, F.P.No.114, D.T.P.S. No.121 (Naroda-Hanspura-Kathwada), Village: Hanspura, Ta:Dasroi, Dist: Ahmedabad vide order no. SEIAA/GUJ/ EC/8(a)/ 157/2013 dated 12/07/2013 for the built up area of 89,008.15 m<sup>2</sup>.

M/s Devnandan Buildcon vide their proposal no. SIA/GJ/NCP/3005/2015 dated 05/12/2015 along with revised Form-I & Form-IA applied for expansion of the project. Built up area of the project after the proposed expansion will be 1,18,511.83 m<sup>2</sup> instead of 89,008.15 m<sup>2</sup> as per the Environmental Clearance granted vide order dated 12/07/2013.

The request for the proposed expansion 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 as per the revised GDCR, they have proposed the expansion of the project. Zoning certificate obtained from Ahmedabad Municipal Corporation states that the project site falls in the Residential Zone-R1. Copies 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 + 6 floors & basement + hollow plinth/ground floor + 11 floors) and other loads as the relevant IS Codes. It was observed by the committee that the parking area proposed as 18,313.2 m<sup>2</sup> equivalent to 635 CPS is less than the parking requirement of 869 CPS as NBC norms and the project proponent was suggested to provide parking space at least as per the requirement of the NBC norms. At this the project proponent replied that out of the total 1678 residential units, 644 units are of 1 HK, 672 units are of 1 BHK & only 362 units are of 2 BHK and hence they have provided parking area as per the requirement of GDCR. But they can provide mechanical parking in the basement & open space in order to meet with the parking requirement of the NBC norms. They have submitted that 7,547.6 m<sup>2</sup> mechanical parking equivalent to 236 CPS and 1,124.3 m<sup>2</sup> mechanical parking on open surface equivalent to 49 CPS will be provided. Total parking area provision for the project will be 26,985.1 m<sup>2</sup> [7,547.6 m<sup>2</sup> in basement + 7,547.6 m<sup>2</sup> as mechanical parking in basement + 8,946.1 m<sup>2</sup> in hollow plinth + 1,819.5 m<sup>2</sup> as open surface parking + 1,124.3 m<sup>2</sup> as open surface mechanical parking] which is equivalent to 920 CPS. Further the project proponent was suggested to reuse treated sewage for flushing purpose also in addition its reuse for gardening purpose within premises.

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 expansion.
Name of the developer	Devnandan Buildcon	Devnandan Buildcon
Name of the project	Devnandan Green City	Devnandan Sankalp City
Location address	S.No.75/1 + 75/2, O.P.No.114, F.P.No.114, D.T.P.S. No.121 (Naroda- Hanspura-Kathwada), Village: Hanspura, Ta:Dasroi, Dist: Ahmedabad	S.No.75/1 + 75/2, O.P.No.114, F.P.No.114, D.T.P.S. No.121 (Naroda-Hanspura-Kathwada), Village: Hanspura, Ta:Dasroi, Dist: Ahmedabad
Plot area (sq. m.)	28,470.0	27,979.0
Ground Coverage (sq. m.)	12,811.0	10,741.72
Built – up area (sq. m. )	89,008.15	1,18,511.83
FSI area (sq.m.)	56,270.90	75,104.38
Number of buildings	28 building blocks	18 building blocks
Number of Units	1495 residential units	70 shops & 1678 residential

		units.
No. of floors	Hollow plinth + 5 floors	3 building blocks - basement + ground floor + 12 floors, 15 building blocks - basement + ground floor + 6 floors
Water requirement during the construction phase (KL/day) & source	40 & local water tanker suppliers	40.0 & local water tanker suppliers
Total water requirement during the operation phase (KL/day) & source	1,123.0 & AMC water supply + treated sewage	1,275.0 & AMC water supply + treated sewage.
Waste water generation (KL/day)	898.0 & into drainage line of AMC after treatment & reuse within premises.	1,014.0 & into drainage line of AMC after treatment & reuse within premises.
Municipal Solid Waste generation (kg/day)	3,738.0	4,233.0
Parking area requirement as per NBC (CPS)	747	869
Total parking area provided (m <sup>2</sup> & no. of CPS)	21,805.54 m <sup>2</sup> [1,140 m <sup>2</sup> as open surface parking area + 12,498.54 m <sup>2</sup> in hollow plinth + 8,167 m <sup>2</sup> in basement]	26,985.1 m <sup>2</sup> [7,547.6 m <sup>2</sup> in basement + 7,547.6 m <sup>2</sup> as mechanical parking in basement + 8,946.1 m <sup>2</sup> in hollow plinth + 1,819.5 m <sup>2</sup> as open surface parking + 1,124.3 m <sup>2</sup> as open surface mechanical parking]
Total green belt area (sq.m. )	2798.0	2,158.0
Tree covered area (sq. m.)	1,083.84	1,034.0
Lawn covered area(sq. m.)	1,710.60	1,124.0
Number of percolation wells to be provided for rain water harvesting & ground water recharge	8 nos.	8 nos.

During the meeting, it was presented that fire fighting facilities like underground water storage tanks 8 × 1 lac litre capacity, fire extinguishers & fire hydrant system at each floor etc. will be provided. It was presented that total 7 staircases will be provided in building A and 2 nos. of staircases in buildings B & C having 12 floors. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of environmental clearance with the proposed expansion in supersession of the earlier environmental clearance order no. SEIAA/GUJ/EC/ 8(a)/157/2013 dated 12/07/2013.

10.	Residential & commercial project by Mr. Manilal Jesangbhai Patel.	Moje –Zadeshwar, Block No. 142/1+3, Dist: Bharuch.	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/3069/2015]
2.	Type of Project	Residential cum Commercial
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	Mr. Manilal Jesangbhai Patel																	
6.	Estimated Project Cost (Rs. In Crores)	36 crore																	
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction activity started																	
8.	Project Details	<ul style="list-style-type: none"> <li>Land / Plot Area (m<sup>2</sup>) : 9,500</li> <li>FSI area (m<sup>2</sup>): 19,732.77</li> <li>Total BUA (m<sup>2</sup>): 29,298.80</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>20,900.0</td> <td>19,732.77</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>---</td> <td>4,322.85</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>917.25</td> <td>960.08</td> </tr> <tr> <td>Max. building height (m)</td> <td></td> <td>18</td> </tr> </tbody> </table>				Permissible	Proposed	FSI Area (m <sup>2</sup> )	20,900.0	19,732.77	Ground Coverage (m <sup>2</sup> )	---	4,322.85	Common Plot Area (m <sup>2</sup> )	917.25	960.08	Max. building height (m)		18
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Common Plot Area (m <sup>2</sup> )	917.25	960.08																	
Max. building height (m)		18																	
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 9</li> <li>No. of blocks: 11</li> <li>Scope of building/blocks: 2 buildings – basement + ground floor (parking &amp; shops) + higher ground floor + 4 floors. 7 buildings - basement + hollow plinth + higher ground floor + 4 floors</li> <li>No. &amp; size of Residential Units: 224 Flats</li> <li>No. &amp; type of Commercial Units: 18 Shops</li> <li>Details of amenities if any: - ----</li> </ul>																	
10.	No. of expected residents / users	5,856																	
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 20.25</li> <li>Source of water: Local water tankers</li> <li>Waste water generation quantity (KL/day): 10.53</li> <li>Mode of disposal: into septic tank &amp; soak pit.</li> <li>Details of reuse of water, if any: 4 KL/day for curing</li> </ul>																	
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 143.04</li> <li>Source of water: water supply from Zadeshwar Gram Panchayat</li> <li>Waste water generation quantity (KL/day): 111.35</li> <li>Mode of disposal: Zadeshwar Gram Panchayat sewer line</li> </ul>																	
13.	Status of water supply and drainage line	Zadeshwar Gram Panchayat drainage line and water supply line is available at site																	
14.	Solid waste Management	Construction Phase: <table border="1"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</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>5,160 m<sup>3</sup> will be reused for back filling, internal road &amp; paved area</td> <td>will be used for back filling for the other projects in the vicinity</td> </tr> </tbody> </table>				Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil	600	600	Greenbelt development	Other excavated earth	11400	5,160 m <sup>3</sup> will be reused for back filling, internal road & paved area	will be used for back filling for the other projects in the vicinity			
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Other excavated earth	11400	5,160 m <sup>3</sup> will be reused for back filling, internal road & paved area	will be used for back filling for the other projects in the vicinity																

				development.	as well as road Development outside the premises.
		Construction debris	250	250	Back filling and internal road development
		Steel scrap	7	---	Sold to vendors
		Discarded packing materials	4	----	Sold to vendors
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste Wet waste Total	615	Into bins to be provided to each unit.	Bio degradable waste will be disposed into nearby bins and non biodegradable waste will be sold to vendors
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: Green bin for bio degradable waste &amp; White bin for non biodegradable waste.</li> <li>• Capacity and no. of community bins to be placed within premises: Total 550 bins provided with 5 litre to 25 litre capacity</li> <li>• Landfill site where waste will be ultimately disposed by local authority: Nearby MSW collection point of Zadeshwar Gram Panchayat.</li> </ul>			
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 4,111.42 m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR: 3,836.65 m<sup>2</sup></li> <li>• Parking area requirement for Commercial units as per GDCR: 274.77 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC: 143 CPS</li> <li>• Number of CPS requirement for residential units as per NBC: 137</li> <li>• Number of CPS requirement for commercial units as per NBC: 6 CPS</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: Area – 7,821.48 m<sup>2</sup> , CPS -260</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: Area – 4,321.48 m<sup>2</sup> , CPS - 135</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: CPS: Area – 3,500.0 m<sup>2</sup> , CPS – 125</li> </ul>			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 15 m on Western side</li> <li>• Number of Entry &amp; Exit provided on approach road/s: 03</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 9.0 m and 6.0 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender(excluding the width for the plantation): 3m</li> </ul>			

		<ul style="list-style-type: none"> <li>• Width of all internal roads: 6.0 m &amp; 9.0 m</li> </ul>																											
17.	Details of Green Building measures proposed.	Water efficient taps, flow control devices, use of RMC concrete & aerated blocks, maximum use of natural light through architectural design, energy efficient motors & pumps, use of CFL lighting fixtures & low voltage lighting, solar lighting in open & landscape areas, roof top thermal insulation etc.																											
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand: 1500 KVA Connected load:----</li> <li>• Source: Daxin Gujarat Vij Company Ltd</li> <li>• Energy saving measures: Maximum use of natural light through architectural design, energy efficient motors &amp; pumps, use of CFL lighting fixtures &amp; low voltage lighting, solar lighting in open &amp; landscape areas, roof top thermal insulation etc.</li> <li>• DG Sets: No. and capacity of the DG sets: 1 X 125 KVA Fuel &amp; its quantity: HSD 25 litre/hr</li> </ul>																											
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> <li>• Fire extinguishers, hose reel, down comer, automatic sprinkler system (in basement), manually operated electric fire alarm system, terrace tank of 25 KL capacity etc.</li> <li>• Name of the nearest fire station: Bharuch Distance from the project site: About 4.2 Km Time required by the fire tender to reach the project site: 25 minutes</li> </ul>																											
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	<table border="1"> <thead> <tr> <th>Type &amp; 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, K</td> <td>B +P + UG +4</td> <td>461.88</td> <td>1</td> <td>1.2</td> <td rowspan="4">Max 24 m</td> </tr> <tr> <td>B,C,D,H, I,J</td> <td>B +P + UG +4</td> <td>298.12</td> <td>1</td> <td>1.2</td> </tr> <tr> <td>E, G</td> <td>B +P + UG +4</td> <td>415.96</td> <td>1</td> <td>1.2</td> </tr> <tr> <td>F</td> <td>B +P + UG +4</td> <td>290.26</td> <td>1</td> <td>1.2</td> </tr> </tbody> </table>	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)	A, K	B +P + UG +4	461.88	1	1.2	Max 24 m	B,C,D,H, I,J	B +P + UG +4	298.12	1	1.2	E, G	B +P + UG +4	415.96	1	1.2	F	B +P + UG +4	290.26	1	1.2	
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: ----</li> <li>• No. &amp; dimensions of RWH tank(s) : ----</li> <li>• No. and depth of percolations wells : 3 nos.</li> <li>• Details on Pre-treatment facilities : Desilting cum filter chamber.</li> </ul>																											
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 225</li> <li>• Area covered by shrubs, bushes and lawn (m<sup>2</sup>): 735.08</li> <li>• Total Green Area (m<sup>2</sup>): 960.08</li> <li>• Green Area % of plot area: 10</li> <li>• No. of trees and species to be planted: 225</li> </ul>																											
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	Fly ash bricks/fly ash blended concrete blocks, fly ash paving blocks.																											

	building material usage details.	
26.	Basic amenities to be provided to construction workers	Sanitation facilities, drinking water, welfare facility as per Gujarat Building & Other Construction Rules.
27.	Documents related to land possession.	Village form no. 7/12 & N.A order for residential & commercial use in the name of applicant.

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

1. Permission from concerned authority for water supply & drainage connection to the project.
2. Status of water supply & drainage line of Zadeshwar Gram Panchayat in the area with supporting documents. Details on STP, pumping station and final disposal point of sewage by Zadeshwar Gram Panchayat.
3. 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.

11.	Shivalay Parisar by M/s S. R. Infracon	at Block No. 114,115,116,117,157 & 158, F.P.No.47, 48,49,50,79 & 80, Village: Kudasani, Dist: Gandhinagar	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/3064/2015]															
2.	Type of Project	Residential Building Construction Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	ShivalayParishar															
5.	Name of Developer	S. R. Infracon															
6.	Estimated Project Cost (Rs. In Crores)	30 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> <li>• Land / Plot Area (m<sup>2</sup>): 10,667.0</li> <li>• FSI area (m<sup>2</sup>):23,898.00</li> <li>• Total BUA (m<sup>2</sup>):38,798.18</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area</td> <td>24,000.75</td> <td>23,898.00</td> </tr> <tr> <td>Ground Coverage</td> <td>4,800.15</td> <td>3,770.64</td> </tr> <tr> <td>Common Plot Area</td> <td>1,066.70</td> <td>1,094.77</td> </tr> <tr> <td>Max. building height</td> <td>45</td> <td>27.85</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area	24,000.75	23,898.00	Ground Coverage	4,800.15	3,770.64	Common Plot Area	1,066.70	1,094.77	Max. building height	45	27.85
	Permissible	Proposed															
FSI Area	24,000.75	23,898.00															
Ground Coverage	4,800.15	3,770.64															
Common Plot Area	1,066.70	1,094.77															
Max. building height	45	27.85															
9.	Building Details	• No. of Buildings:6															

		<ul style="list-style-type: none"> <li>No. of Blocks:6</li> <li>Scope of buildings/blocks: Basement + hollow plinth + 7 floors</li> <li>No. &amp; size of Residential Units: 168</li> <li>No. &amp; type of Commercial Units: -</li> <li>Details of amenities if any:</li> </ul>																																
10.	No. of expected residents / users	1176 occupants and @118 visitors/d																																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day):7.91</li> <li>Source of water: Borewell water</li> <li>Waste water generation quantity (KL/day):4.30</li> <li>Mode of disposal: Septic tank and soak pit</li> <li>Details of reuse of water, if any: -</li> </ul>																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day):183.95</li> <li>Source of water: Water supply from Gandhinagar Urban Development Authority (GUDA).</li> <li>Waste water generation quantity (KL/day):160.29</li> <li>Mode of disposal: Drainage facility of Gandhinagar Urban Development Authority (GUDA).</li> </ul>																																
13.	Status of water supply and drainage line	A copy of receipt obtained from GUDA against the charges paid by them has been submitted.																																
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>1,050(m<sup>3</sup>)</td> <td>1,050(m<sup>3</sup>)</td> <td>Will be reused for greenbelt development.</td> </tr> <tr> <td>Other excavated earth</td> <td>24,000(m<sup>3</sup>)</td> <td>7,00(m<sup>3</sup>) will be used for back filling.</td> <td>Will be supplied to other low-lying areas in consultation with GUDA.</td> </tr> <tr> <td>Construction debris</td> <td>500(m<sup>3</sup>)</td> <td>500(m<sup>3</sup>) will be used for Re-filling/ Re-surfacing.</td> <td></td> </tr> <tr> <td>Steel scrap</td> <td>1.5 MT</td> <td>-</td> <td>Sale to vendor</td> </tr> <tr> <td>Discarded packing materials</td> <td>Whatsoever</td> <td>-</td> <td>Sale 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>480</td> <td>Into bins to be provided within premises.</td> <td>Through Municipal Corporation approved agency for</td> </tr> </tbody> </table>		Generation	Quantity to be reused	Mode of Disposal / Reuse	Top Soil	1,050(m <sup>3</sup> )	1,050(m <sup>3</sup> )	Will be reused for greenbelt development.	Other excavated earth	24,000(m <sup>3</sup> )	7,00(m <sup>3</sup> ) will be used for back filling.	Will be supplied to other low-lying areas in consultation with GUDA.	Construction debris	500(m <sup>3</sup> )	500(m <sup>3</sup> ) will be used for Re-filling/ Re-surfacing.		Steel scrap	1.5 MT	-	Sale to vendor	Discarded packing materials	Whatsoever	-	Sale to vendor	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	480	Into bins to be provided within premises.	Through Municipal Corporation approved agency for
	Generation	Quantity to be reused	Mode of Disposal / Reuse																															
Top Soil	1,050(m <sup>3</sup> )	1,050(m <sup>3</sup> )	Will be reused for greenbelt development.																															
Other excavated earth	24,000(m <sup>3</sup> )	7,00(m <sup>3</sup> ) will be used for back filling.	Will be supplied to other low-lying areas in consultation with GUDA.																															
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Discarded packing materials	Whatsoever	-	Sale to vendor																															
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse																															
Dry waste	480	Into bins to be provided within premises.	Through Municipal Corporation approved agency for																															

					collection and disposal
		Wet waste	120	Into bins to be provided within premises.	Through Municipal Corporation approved agency for collection and disposal
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: -</li> <li>• Capacity and no. of community bins to be placed within premises: 24 bins.</li> <li>• Landfill site where waste will be ultimately disposed by local authority:</li> </ul>			
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 3,890.72m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR:3,890.72 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC:168</li> <li>• Number of CPS requirement for residential units as per NBC: 168</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 12,114.64 m<sup>2</sup> &amp; 335 CPS.</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 8,166.26 m<sup>2</sup> &amp; 255 CPS.</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS: 1,768.62 m<sup>2</sup> &amp; 63 CPS.</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 411.14 m<sup>2</sup> &amp; 17 CPS.</li> </ul>			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads:24.0 m wide road on North side and 12.0 m wide road on south side</li> <li>• Number of Entry &amp; Exit provided on approach road/s: 3 gates will be provided.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.50 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): -</li> <li>• Width of all internal roads: 3.5 m.</li> </ul>			
17.	Details of Green Building measures proposed.	Use of AAC blocks substituting conventional bricks, fly ash containing paver blocks, PPC blocks, use of LED, CFL for common lighting, water meter in each block and near underground water tank, water control valves, low water consuming fixtures (smart flush) etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand:2,350 KW Connected load: 2,350 KW Source:UGVCL</li> <li>• Energy saving measures: Use of LED, CFL for common lighting, Automatic Power Factor Controller (APFC) to optimize the power consumption, water meter in each block and near underground water tank, water control valves, low water consuming fixtures (smart flush), fly ash containing paver blocks, PPC blocks for flooring etc.</li> <li>• DG Sets: For Emergency Power only No. and capacity of the DG sets:1 × 25 KVA capacity Fuel &amp; its quantity: 5 kg/hr</li> </ul>			
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> <li>• During Construction Phase: Provision of Personal Protective Equipment's (PPEs) and its usage shall be ensured and supervised</li> <li>• During Operation Phase: Underground water tanks, overhead water tank, fire extinguisher at each floor etc.</li> <li>• Nearest Fire Station: Gandhinagar Fire Station Sector 17, Gandhinagar Distance from the station: 6.70 km Time required for the fire tender to reach at the project site: 10-15</li> </ul>			

		minutes.
20.	Details on staircase	
	Type & no. of buildings	No. of floors
	Residential Building & 6 no. of buildings	B + H.P. + 7
	Floor area	517.51
	No. of staircase	1
	Width of the staircase	1.50
	Travel distance (m)	25.24
	No. of lift	2
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table:&gt; 90 m</li> <li>• No. &amp; dimensions of RWH tank(s) : 3 nos. and 2.00*2.00*2.50 m</li> <li>• No. and depth of percolations wells : 3 nos.</li> <li>• Details on Pre-treatment facilities : Filtration.</li> </ul>
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) :207.6</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): -</li> <li>• Lawn covered area (m<sup>2</sup>): 1,094.44</li> <li>• Total Green Area (m<sup>2</sup>):1,302.04</li> <li>• Green Area % of plot area:10.80</li> <li>• No. of trees and species to be planted: 75 trees like Limbdo, Asopalav, Desi Badam, Gulmohar etc.</li> </ul>
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 14.5 lacs and recurring cost of Rs. 5.0 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 during the construction phase	Applying water or non-toxic chemicals to minimize dust, to transport the materials from nearest places to avoid the direct energy and associated vehicular emissions, covering the materials during transportation, to use telescopic chute to regulate falling of fine powder materials from height during unloading at site to mitigate the fugitive emissions, use of well maintained vehicles having PUC certificate etc.
25.	Eco friendly building material usage details.	Use of AAC blocks substituting conventional bricks, fly ash containing paver blocks, PPC blocks etc.
26.	Basic amenities to be provided to construction workers.	Sanitation facilities, drinking water, health check up at regular time interval etc.
27.	Documents related to land possession	N.A orders of all the survey numbers for residential use in the name of land owners and the land owners have given power attorney to the applicant Mr. Amit S. Patel. Applicant is one of the two partners of M/s S.R.Infracon.
<p>During the meeting, the project proponent was suggested to provide solar water heaters &amp; solar street lights, to which the project proponent was agreed upon and after detailed discussion it was decided to recommend the project to SEIAA Gujarat for grant of Environmental clearance.</p>		
12.	Ambika Dreams	B.No. 139, F.P.No. 124/C/P, Sub Plot No. 2 & 3, O.P.No. 124, . T.P.S.No.69 (Godadara-Dindoli), Moje: Dindoli, Ta: Choryasi, Dist: Surat
		Screening & scoping/ appraisal.

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/3096/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Ambika Dreams															
5.	Name of Developer	M/s. Shakti Buildcon															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 55.0 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> <li>Land / Plot Area (m<sup>2</sup>): 9344.0</li> <li>FSI area (m<sup>2</sup>): 26,884.70</li> <li>Total BUA (m<sup>2</sup>) : 38,440.48</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>28,032.00</td> <td>26,884.70</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>2,672.82</td> <td>2,770.50</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>934.40</td> <td>1,194.00</td> </tr> <tr> <td>Max. building height (m)</td> <td>53.8</td> <td>37.30</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m <sup>2</sup> )	28,032.00	26,884.70	Ground Coverage (m <sup>2</sup> )	2,672.82	2,770.50	Common Plot Area (m <sup>2</sup> )	934.40	1,194.00	Max. building height (m)	53.8	37.30
	Permissible	Proposed															
FSI Area (m <sup>2</sup> )	28,032.00	26,884.70															
Ground Coverage (m <sup>2</sup> )	2,672.82	2,770.50															
Common Plot Area (m <sup>2</sup> )	934.40	1,194.00															
Max. building height (m)	53.8	37.30															
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 6 Nos.</li> <li>No. of Blocks: 12</li> <li>Scope of buildings/blocks: 2 buildings – basement + hollow plinth + 11 floors. 4 building – basement + hollow plinth + 12 floors.</li> <li>No. &amp; size of Residential Units: 560 Flats</li> <li>No. &amp; type of Commercial Units: --</li> <li>Details of amenities if any: --</li> </ul>															
10.	No. of expected residents / users	<p>Expected residents: 2800</p> <p>Expected shop users: --</p> <p>Expected visitors: 400</p>															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 14.0</li> <li>Source of water: Bore well water.</li> <li>Waste water generation quantity (KL/day): 1.80</li> <li>Mode of disposal: Septic tank &amp; soak pit</li> <li>Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment.</li> </ul>															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 389.0</li> <li>Source of water: Water supply from Surat Municipal Corporation (SMC).</li> <li>Waste water generation quantity (KL/day): 307.50</li> <li>Mode of disposal: Into drainage line of Surat Municipal Corporation (SMC).</li> </ul>															
13.	Status of water supply and drainage line	The project is covered under the Town Planning Scheme of SMC and the water supply as well as drainage connection will be available to the project at the time of getting B.U. Permission.															

14.	Solid waste Management	Construction Phase:				
			Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	
		Top Soil	597.00	597.0	Reuse for developi garden area.	
		Other excavated earth	8,141.33	2,795.72 m <sup>3</sup> will be used for back filling.	Remaining will be send other project site for ba filling & raising the plir level.	
		Construction debris	404	192	Reused as a filler up plinth level and remaini will be reused in outer ro development	
		Steel scrap	15	--	Sold to local scrap vendo	
		Discarded packing materials	10	--	Sold to local vendors	
		Operation Phase:				
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal Reuse	
		Dry waste	1,020.0	Blue colour bucket	Through S.M.C door to door was collection system	
		Wet waste	680.0	Green colour bucket	Through S.M.C door to door waste collection system	
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste.</li> <li>• Capacity and no. of community bins to be placed within premises: Separate community bins for each individual building.</li> <li>• Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill site of SMC.</li> </ul>				
		15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 4,033.0 m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR: 4,033.0 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC : 280</li> <li>• Number of CPS requirement for residential units as per NBC: 280</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 6,196.0 m<sup>2</sup> &amp; 217 CPS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 2,812.0 m<sup>2</sup> &amp; 88 CPS</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: 2,394.0 m<sup>2</sup> &amp; 86 CPS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 990.0 m<sup>2</sup> &amp; 43 CPS.</li> </ul>		
		16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 18.00 m wide road in N direction.</li> <li>• Number of Entry &amp; Exit provided on approach road/s: 2 Entry &amp; 2 Exit</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.50 m &amp; 6.00 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5.00 m</li> <li>• Width of all internal roads: 5.0 m, 6.0 m &amp; 7.50 m.</li> </ul>		

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"> <li>• Power supply</li> <li>• Maximum demand: 1500 KVA</li> <li>• Source: D.G.V.C.L</li> <li>• 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.</li> <li>• DG Sets</li> <li>• No. and capacity of the DG sets: 63 KVA x 02</li> <li>• Fuel &amp; its quantity: Low Sulphur High speed Diesel (HSD) &amp; Quantity - 30 L/hr</li> </ul>						
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, wet riser, automatic sprinkler system, manually operated electric fire alarm system, underground fire water storage tank (75 KL), terrace tank of 10 KL for each building etc.						
20.	Details on staircase							
	Bldg. No.	Floor No.	Floor Area (m <sup>2</sup> )	No. of Passenger Lift	No. of Fire Lift	No. of Staircase	Width of Staircase (m)	Maximum Travel Distance up to the Staircase (< 30 m)
	A-B	G(H.P.)+11	651.33	02	02	02	2.0	13.98
	C-D	G(H.P.)+11	651.33	02	02	02	2.0	13.98
	E-F	G(H.P.)+12	366.96	02	02	02	2.0	9.10
	G-H	G(H.P.)+12	366.96	02	02	02	2.0	9.10
	I-J	G(H.P.)+12	366.96	02	02	02	2.0	9.10
	K-L	G(H.P.)+12	366.96	02	02	02	2.0	9.10
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: 23.0 m</li> <li>• No. &amp; dimensions of RWH tank(s) : 05 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.</li> <li>• No. and depth of percolations wells: 05 nos. of percolating wells</li> <li>• Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen</li> </ul>						
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 774.0</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): --</li> <li>• Lawn covered area (m<sup>2</sup>): 420.0</li> <li>• Total Green Area (m<sup>2</sup>): 1194.00</li> <li>• Green Area % of plot area: 12.77 %</li> <li>• No. of trees and species to be planted: 130 trees of Asopalav, Bamboo, Neem, Gulmohar etc. will be planted within premises.</li> </ul>						
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 109.8 lacs and recurring cost of Rs. 5.2 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.	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.
27.	Documents related to land possession	Village form no. 7 as on 04/04/2013 is in the name of applicant Mr. Vinit R Desai and his mother and shows that they have applied for obtained N.A permission for residential use.

During the meeting it was presented that they have obtained permission from Airports Authority of India for permissible building height of 53.80 m above the ground level. The project proponent was suggested to provide parking space at least as per the requirement of NBC norms. After detailed discussion it was decided to consider the project only after submission of the following:

1. Details on the Permissible FSI for the proposed project with supporting documents showing availability of the FSI to the project.
2. Explore the possibility of increasing the parking area provision for the proposed project and revised details on the parking area provision for the project so as to meet with the parking requirement as per the NBC norms.

13.	R. K. County (Residential project )	S.No.238/1,238/2,238/4,238/7,239/2,239/3, 239/6, Village: Zadeshwar, Ta& Dist: Bharuch	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/3175/2015]
2.	Type of Project	Residential Project
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	R. K. County
5.	Name of Developer	Tapasbhai Atulkumar Patel
6.	Estimated Project Cost (Rs. In Crores)	130 Crores
7.	Whether construction work has been initiated at site? If yes, details thereof	No

8.	Project Details	<ul style="list-style-type: none"> <li>Land / Plot Area (m<sup>2</sup>): 31,541</li> <li>FSI area (m<sup>2</sup>):71,128.82</li> <li>Total BUA (m<sup>2</sup>):1,08,739.7</li> </ul> <table border="1" data-bbox="469 304 1506 479"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>72,544.3</td> <td>71,128.82</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>14,193.45</td> <td>11,739.79</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>3,154.1</td> <td>5,249.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>40</td> <td>25</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m <sup>2</sup> )	72,544.3	71,128.82	Ground Coverage (m <sup>2</sup> )	14,193.45	11,739.79	Common Plot Area (m <sup>2</sup> )	3,154.1	5,249.0	Max. building height (m)	40	25
	Permissible	Proposed															
FSI Area (m <sup>2</sup> )	72,544.3	71,128.82															
Ground Coverage (m <sup>2</sup> )	14,193.45	11,739.79															
Common Plot Area (m <sup>2</sup> )	3,154.1	5,249.0															
Max. building height (m)	40	25															
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 23</li> <li>No. of Blocks: 23</li> <li>Scope of buildings/blocks: Residential. Basement + hollow plinth + 7 floors.</li> <li>No. &amp; size of Residential Units: 917 Flats (672 flats of 2 BHK and 245 flats of 1 BHK.)</li> <li>No. &amp; type of Commercial Units: No</li> <li>Details of amenities if any: One Society Offices</li> </ul>															
10.	No. of expected residents / users	4126 occupants and 200 visitors															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 21.75</li> <li>Source of water: Tankers</li> <li>Waste water generation quantity (KL/day): 5.73</li> <li>Mode of disposal: septic tank</li> <li>Details of reuse of water, if any: No</li> </ul>															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 372.34</li> <li>Source of water: Local Authority</li> <li>Waste water generation quantity (KL/day):448.0</li> <li>Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening &amp; flushing purpose within premises and remaining will be discharged into the under ground drainage line.</li> <li>In case of STP provision, capacity of STP: Yes, 400 KL/day</li> <li>STP Technology: Biological Treatment</li> <li>Purposes for treated water utilization: Gardening &amp; flushing.</li> <li>Quantity of treated water to be reused: <ul style="list-style-type: none"> <li>1. Gardening (KL/day):23.62</li> <li>2. Flushing (KL/day):187.67</li> </ul> </li> <li>Provision of dual plumbing system (Yes/No): yes</li> <li>Quantity and type (treated/untreated)of sewage to be discharged: 236.71 KL/day of balance treated sewage will be discharged into underground drainage line.</li> <li>Mode of disposal: Municipal Sewer line</li> </ul>															
13.	Status of water supply and drainage line	Available at 0.7km from the site															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="469 1742 1474 2051"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>2,500</td> <td>2,500</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>47,500</td> <td>24,500 m<sup>3</sup> will be used for back filling and raising</td> <td>Balance earth will be used at other projects as per requirement.</td> </tr> </tbody> </table>		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil	2,500	2,500	Development of landscape area	Other excavated earth	47,500	24,500 m <sup>3</sup> will be used for back filling and raising	Balance earth will be used at other projects as per requirement.			
	Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse														
Top Soil	2,500	2,500	Development of landscape area														
Other excavated earth	47,500	24,500 m <sup>3</sup> will be used for back filling and raising	Balance earth will be used at other projects as per requirement.														

				plinth level.																	
		Construction debris	900	480 m <sup>3</sup> 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	20	0	Sold to vendors																
		Discarded packing materials	12	0	Sold to vendors																
		<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>1,006.24</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>1,509.36</td> <td>Green Bins</td> <td>Municipal bins</td> </tr> <tr> <td>STP Sludge</td> <td>20</td> <td>Green Bins</td> <td>Municipal bins</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• Details of segregation if to be done: yes</li> <li>• Capacity and no. of community bins to be placed within premises: 15 kg and 20 number of community bins to be placed in common area</li> <li>• Landfill site where waste will be ultimately disposed by local authority: Local authority</li> </ul>				Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	1,006.24	White bins	Sold to vendors	Wet waste	1,509.36	Green Bins	Municipal bins	STP Sludge	20	Green Bins	Municipal bins
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse																		
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STP Sludge	20	Green Bins	Municipal bins																		
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR:10,669.32 m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR:10,669.32 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC :571</li> <li>• Number of CPS requirement for residential units as per NBC: 571</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 28,642.41&amp; 1,001 CPS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 13,322 &amp; 416 CPS</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS:10,240.41 &amp; 365 CPS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 5080 &amp; 220 CPS.</li> </ul>																			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 12 m wide road</li> <li>• Number of Entry &amp; Exit provided on approach road/s: One gate will be provided.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.5 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m</li> <li>• Width of all internal roads: 7.5 m and 4.0 m</li> </ul>																			
17.	Details of Green Building measures proposed.	<p>Maximum use of natural lighting through architectural design, energy efficient motors &amp; pumps, water efficient taps, maximum use of RMC &amp; aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 22 numbers of solar lighting, roof-top thermal insulation, rain water harvesting &amp; ground water recharge through 8 nos. of percolating wells etc.</p>																			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand: 5000 KVA Connected load: 5250 KVA</li> <li>• Source: DGVCL</li> <li>• % of saving with calculations: ~30% by use of LED and star rated energy efficient electronic consumer durables</li> <li>• Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area</li> <li>• DG Sets:</li> </ul>																			

		No. and capacity of the DG sets:1 × 62.5 KVA Fuel & its quantity: HSD, 12 litre/hr																																				
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> <li>• 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 &amp; ambulance service.</li> <li>• 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/cm<sup>2</sup> at terrace level etc.</li> </ul>																																				
20.	Details on staircase																																					
	<table border="1"> <thead> <tr> <th>Type of Block</th> <th>No. of Floor</th> <th>Maximum Floor area (m<sup>2</sup>)</th> <th>Stair case width (m)</th> <th>Number of stair cases</th> <th>Travel Distance (m)</th> </tr> </thead> <tbody> <tr> <td>8 buildings</td> <td>HP +7</td> <td>520.80</td> <td>1.6 &amp; 1.2</td> <td>2</td> <td>17</td> </tr> <tr> <td>4 buildings</td> <td>HP +7</td> <td>345.54</td> <td>1.6</td> <td>1</td> <td>19</td> </tr> <tr> <td>1 building</td> <td>HP +7</td> <td>319.82</td> <td>2.1</td> <td>1</td> <td>18</td> </tr> <tr> <td>6 buildings</td> <td>HP +7</td> <td>311.89</td> <td>2.1</td> <td>1</td> <td>18</td> </tr> <tr> <td>4 buildings</td> <td>HP +7</td> <td>345.54</td> <td>1.6</td> <td>1</td> <td>19</td> </tr> </tbody> </table>	Type of Block	No. of Floor	Maximum Floor area (m <sup>2</sup> )	Stair case width (m)	Number of stair cases	Travel Distance (m)	8 buildings	HP +7	520.80	1.6 & 1.2	2	17	4 buildings	HP +7	345.54	1.6	1	19	1 building	HP +7	319.82	2.1	1	18	6 buildings	HP +7	311.89	2.1	1	18	4 buildings	HP +7	345.54	1.6	1	19	
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4 buildings	HP +7	345.54	1.6	1	19																																	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: 15m</li> <li>• No. &amp; dimensions of RWH tank(s) : 8 No and 2.0m X 2.0 m X 3.0 m</li> <li>• No. and depth of percolations wells :8 no and 10 m</li> <li>• Details on Pre-treatment facilities : oil and grease removal and filter</li> </ul>																																				
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) :2,000.0</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): 1,500.0</li> <li>• Lawn covered area (m<sup>2</sup>):1,749.0</li> <li>• Total Green Area (m<sup>2</sup>):5,249.0</li> <li>• Green Area % of plot area: 16.6 %</li> <li>• No. of trees and species to be planted: 471 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar</li> </ul>																																				
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. 97 lacs & Rs. 11 lacs as 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	Copy of index of sub registrar's office submitted by them for all the survey numbers except S.No. 238/4 shows that the N.A land for residential use is in																																				

possession	the name of applicant.
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During the meeting, after detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Project plans showing plot area statement, building wise & floor wise built up area table, FSI area table, floor area table etc.
2. Exact source of water supply and permission of the concerned authority for supplying water to the proposed project.
3. Complete management plan of the treated sewage including application wise reuse, mode of disposal, final disposal point & permission of the concerned authority for sewage disposal, treated sewage management plan during the monsoon season etc.
4. Permission of the concerned local authority for municipal solid waste disposal and details of the municipal solid waste dumping / disposal site.
5. Details on approach road to the project site with supporting maps / documents.
6. Land possession documents showing ownership of the applicant, 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).

14.	The Polaris Textile City	B.No.77, F.P.No.63 (as per draft), F.P.No.82 (as T.R.), O.P.No.58, T.P.S.No.19 (Parvat-Magob), Moje: Parvat, Ta: Choryasi, 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/3240/2015]						
2.	Type of Project	Commercial						
3.	Project / Activity No. [8(a) or 8(b)]	8(a)						
4.	Name of the project	"The Polaris Textile City"						
5.	Name of Developer	M/s Sankalp Associates						
6.	Estimated Project Cost (Rs. In Crores)	Rs. 150 Crore						
7.	Whether construction work has been initiated at site? If yes, details thereof	No						
8.	Project Details	<ul style="list-style-type: none"> <li>• Land / Plot Area (m<sup>2</sup>): 19,900.0</li> <li>• FSI area (m<sup>2</sup>): 79,599.74</li> <li>• Total BUA (m<sup>2</sup>): 1,23,546.86</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>79,600.00</td> <td>79,599.74</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m <sup>2</sup> )	79,600.00	79,599.74
	Permissible	Proposed						
FSI Area (m <sup>2</sup> )	79,600.00	79,599.74						

		Ground Coverage (m <sup>2</sup> )	9,950.00	9,947.07																				
		Common Plot Area (m <sup>2</sup> )	1,991.25	1,998.00																				
		Max. building height (m <sup>2</sup> )	45.0	43.92																				
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 1</li> <li>No. of Blocks: 1</li> <li>Scope of buildings/blocks: Commercial Textile Houses. 2 level basement + ground floor + 8 floors.</li> <li>No. &amp; size of Residential Units: --</li> <li>No. &amp; type of Commercial Units: 1095 Textile Houses</li> <li>Details of amenities if any: --</li> </ul>																						
10.	No. of expected residents / users	<p>Expected residents: --</p> <p>Expected shop users: 4380</p> <p>Expected visitors: 2000</p>																						
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 14.50</li> <li>Source of water: Borewell water</li> <li>Waste water generation quantity (KL/day): 2.16</li> <li>Mode of disposal: Into Soak pit</li> <li>Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment.</li> </ul>																						
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 135.0</li> <li>Source of water: water supply from S.M.C</li> <li>Waste water generation quantity (KL/day): 100.0</li> <li>Mode of disposal: Into drainage line of Surat Municipal Corporation (SMC).</li> <li>In case of STP provision, capacity of STP: Capacity 200.0 KL/day</li> <li>STP Technology: Primary, Secondary &amp; Tertiary Treatment.</li> <li>Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing.</li> <li>Quantity of treated water to be reused: 1. Gardening (KL/day): 8.0 KL/day 2. Flushing (KL/day): 92.0 KL/day</li> <li>Provision of dual plumbing system (Yes/No): Yes</li> <li>Quantity and type (treated/untreated) of sewage to be discharged: 72.0 KL/day of remaining quantity of treated sewage will be discharged into the underground drainage line of SMC.</li> <li>Mode of disposal: Into the underground drainage line of SMC after treatment and reuse within premises.</li> </ul>																						
13.	Status of water supply and drainage line	The project is covered under the Town Planning Scheme of SMC and the water supply as well as drainage connection will be available to the project at the time of getting B.U. Permission.																						
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>999.00</td> <td>999.00</td> <td>Reuse for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>1,51,762.29</td> <td>1,277.54 m<sup>3</sup> will be used for back filling</td> <td>Remaining will be send to other project site for back filling &amp; raising the plinth level in consultation with SMC.</td> </tr> <tr> <td>Construction debris</td> <td>1297</td> <td>618</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>49</td> <td>--</td> <td>Sold to local scrap</td> </tr> </tbody> </table>				Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil	999.00	999.00	Reuse for developing garden area	Other excavated earth	1,51,762.29	1,277.54 m <sup>3</sup> will be used for back filling	Remaining will be send to other project site for back filling & raising the plinth level in consultation with SMC.	Construction debris	1297	618	Reused as a filler up to plinth level and remaining will be reused in outer road development	Steel scrap	49	--	Sold to local scrap
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Steel scrap	49	--	Sold to local scrap																					

				vendors
		Discarded packing materials	31	-- Sold to local vendors
		Operation Phase:		
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection
		Dry waste	525.60	Blue colour bucket
		Wet waste	350.40	Green colour bucket
		STP sludge	STP sludge will be disposed off through SMC after drying.	
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste.</li> <li>• Capacity and no. of community bins to be placed within premises: Two separate community bins for the building to collect dry &amp; wet waste.</li> <li>• Landfill site where waste will be ultimately disposed by local authority: Khajod landfill site of S.M.C</li> </ul>		
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 23,880.0 m<sup>2</sup></li> <li>• Parking area requirement for Commercial units as per GDCR: 23,880.0 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC : 319</li> <li>• Number of CPS requirement for commercial units as per NBC: 319</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 36,263.0 m<sup>2</sup> &amp; 1,160 ECS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 35,155.0 m<sup>2</sup> &amp; 1,068 ECS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 2,108.0 m<sup>2</sup> &amp; 92 ECS.</li> </ul>		
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 45.0 m wide road in W direction</li> <li>• Number of Entry &amp; Exit provided on approach road/s: 2 gates will be provided.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 8.50 m &amp; 7 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3.50 m</li> <li>• Width of all internal roads: 8.5 m, 7.0 m &amp; 4.7 m</li> </ul>		
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, provision of STP & reuse of treated sewage etc.		
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply Maximum demand: 5000 KVA Connected load:</li> <li>• Source: DGVCL</li> <li>• 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</li> <li>• DG Sets No. and capacity of the DG sets: 03x 125 KVA Fuel &amp; its quantity: Low Sulphur High speed Diesel (HSD) &amp; quantity 55 L/h in</li> </ul>		

		each.																
19.	Fire and Life Safety Measures	Fire extinguishers at each floor, hose reel at each floor, wet riser opening at each floor, yard hydrant, automatic sprinkler system for all the passages & basement (3060 nos.), manually operated electric fire alarm system, automatic fire detection & alarm system, underground static fire water storage tanks of 660 KL capacity, terrace tank of 15 KL capacity, one electric & one diesel pump of capacity 2280 L/min. & one electric pump of capacity 180 L/min. having pressure 3.5 kg/cm <sup>2</sup> at terrace level.																
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No. of floor	Floor Area (m <sup>2</sup> )	No. of staircase	Width of Staircase (m)	No. of Fire Lift	No. of passenger Lift	Maximum Travel Distance up to the Staircase < 30 m												
G +8	9,106.14	10	2.00	08	20	19.29												
		Escalator – 0 1	1.00															
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>Level of the Ground water table: 22.00 m</li> <li>No. &amp; dimensions of RWH tank(s) : 10 no. of RWH tanks; size: 4m x 3m x 3m size of Bore: 350 mm dia. size of pipe: 150 mm dia.</li> <li>No. and depth of percolations wells: 10 nos. of percolating wells</li> <li>Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen.</li> </ul>																
22.	Green area details	<ul style="list-style-type: none"> <li>Tree covered area (m<sup>2</sup>) : 598.0</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>): --</li> <li>Lawn covered area (m<sup>2</sup>): 1400.0</li> <li>Total Green Area (m<sup>2</sup>): 1,998.00</li> <li>Green Area % of plot area: 10.00 %</li> <li>No. of trees and species to be planted: 100 trees of Asopalav, Bamboo, Neem, Gulmohar etc. will be planted within premises.</li> </ul>																
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 103.30 lacs and recurring cost of Rs. 4.85 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.	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.																
27.	Documents related to land possession	Village form no. 7 & 12 as on 20/08/2012 shows that the land is in the name of M/s Sankalp Associates through its partners. N.A permission has been obtained by land owners for residential cum commercial use of the land.																

During the meeting, the project proponent was suggested to provide flameproof electrical fittings only in the proposed textile market. While discussing about the fire fighting measures, it was presented that MCB & RCB switches will be provided which will be tripped in case of case of fluctuation or higher power load to prevent electric overloading or sparking. While asking by the committee, it was replied that drinking water facility and separate toilet blocks for male & female will be provided on each floor as common facilities. It was presented that traffic survey was carried out on 60 m wide Surat-Kadodara road which shows that the Level of Service in existing as well as in proposed scenario will remain the same as excellent "A". They have submitted a copy of notarized undertaking stating that any kind of manufacturing activity will not be allowed in the commercial units of the proposed project and any textile house will not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics. While asking by the committee, it was replied that provision of natural & mechanical ventilation (exhaust fans), LED lights, gas detection system associated with sensors & automatic alarms, two nos. of oxygen level sensors with alarm system will be made in basements. During the meeting, copy of permission obtained for permissible building height of 80 m above the ground level has also been submitted. After discussing the 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 FSI of 4.0
2. Actual parking requirement for the proposed textile market as per the NBC norms and revised details on the parking area provision as per the requirement of NBC norms.

15.	Saphire 8	at B.No.57/1+69+90, O.P.No.25/1+40/1+40/2, F.P.No.34+58+59,Parvat - Magob, T.P.S.No.19, Ta: Choryasi, Dist:Surat	Amendment case
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The SEIAA, Gujarat has accorded environmental clearance to KLM Group for building construction project at B.No.57/1+69+90, O.P.No.25/1+40/1+40/2, F.P.No.34+58+59, Parvat - Magob, T.P.S.No.19, Ta: Choryasi, Dist:Surat vide order no. SEIAA/GUJ/EC/ 8(a)/51/2013 dated 05/04/2013 for the built up area of 42,941.36 m<sup>2</sup> comprising of 8 buildings with 356 nos. of flats & 44 nos. of shops.

The project proponent, vide proposal no. SIA/GJ/NCP/3256/2015 dated 17/11/2015 submitted revised Form I & IA and requested for amendment of Environmental Clearance order dated 05/04/2013 for the proposed changes in the planning of the project.

The request for amendment in terms of proposed expansion was considered during the meeting. Project proponent along with their expert consultant attended the meeting. The project was appraised based on the details furnished in the Form I & IA and presentation made before the committee.

Details of the project as per the EC granted and after the proposed expansion, as presented before the committee, are tabulated below:

Sr.No	Details	As per Sanctioned EC	Proposed revised details
1.	Name of the project	Saphire 8	Saphire 8
2.	Plot/Land Area in m <sup>2</sup>	16,460.0	16,460.0
3.	Built-up Area in m <sup>2</sup>	42,941.36	49,575.12
4.	FSI Area in m <sup>2</sup>	36,787.19	36,787.19
5.	Ground Coverage in m <sup>2</sup>	4,938.0	3,643.44
6.	Basement Area in m <sup>2</sup>	3,134.51	6,791.73

7.	Hollow Plinth Area in m <sup>2</sup>	3,492.06	3,432.10
8.	Parking Area in m <sup>2</sup>	8,976.41	10,100.80
9.	Common Plot area in m <sup>2</sup>	1,646.03	1,646.03
10.	Tree Covered Area in m <sup>2</sup>	900	900
11.	Lawn Covered Area in m <sup>2</sup>	970	970
12.	Total no. Of Blocks / Building	8	8
13.	Scope & Height of Each Building (e.g. Basement + Hollow Plinth + Ground Floor + No. of Floors with height of each building)	6 buildings – G+12 floors. 2 buildings – G+10 floors. Maximum building height – 41.60 m	6 buildings – G+12 floors. 1 building – G+10 floors. 1 building – G+11 floors. Maximum building height – 41.60 m
14.	Blocks/Building wise and total no. of Residential Units.	356	318
15.	Blocks/Building wise and total no. of Commercial Units.	44	44
16.	Water requirement (KL/day)	240.0	215.0
17.	Waste water generation (KL/day)	188.0	168.0
18.	Municipal Solid waste generation (kg/day)	1051.0	948.0

During the meeting, it was observed that after the proposed changes total number of units are decreasing as compared with the number of units as per the environmental clearance granted. N.A order submitted by them shows that the land for residential & commercial use is in the name of partners of the company. After detailed discussion, it was decided to consider the project only after satisfactory submission of the following.

1. Justification for the proposed changes in the project along with the supporting documents / permission of the concerned authority for the proposed changes.
2. Parking plan showing parking areas designated for residential units, commercial units and visitors of the commercial units.

16.	Green Wood Antica (by Neptune Realty Pvt. Ltd.)	R.S.No.57,72,73,76,81,83,84,88,86,87, 91,92,94,41/A,39,35,22/2,21,665/P/1, Ankodiya, Vadodara.	Screening & scoping.
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Project proponent has applied for obtaining Environmental Clearance for the building construction project. During the meeting, it was found that the construction activity for the proposed project has already been started without obtaining prior Environmental Clearance. While asking by the committee, it was replied that earlier they have planned for the building construction project with built up area of 19,392.0 m<sup>2</sup> with the land area available to them. Afterwards, the some of their final plot numbers were allotted to them adjacent to their land area and some new plots were purchased by them in the vicinity. Because of the availability of the additional land area, they are now planning for development of the building construction project with built up

area more than 20,000 m<sup>2</sup> i.e 35,845.0 m<sup>2</sup>.

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

1. Project plans approved by concerned authority for built up area of 19,392.0 m<sup>2</sup> and a copy of Rajachitthi obtained for the same.
2. Date of starting the construction activity at the project site. Details of the construction work completed in terms of the percentage of the total construction area of the project.
3. Detailed justification for initiating the construction activity for the proposed project and as to why the construction activity started by them should not be considered as violation of the EIA Notification-2006.
4. Recent photographs of the project site showing the date and current status of the project site.
5. Copy of permission obtained from the CGWA for ground water abstraction for the proposed project.

17.	Emerald City	Block No. 34, Moje - Chikhli, Tal - Vyara, Dist- Tapi	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						
2.	Type of Project	Residential						
3.	Project / Activity No. [8(a) or 8(b)]	8(a)						
4.	Name of the project	Emerald City						
5.	Name of Developer	M/s. Chhoriya Realties						
6.	Estimated Project Cost (Rs. In Crores)	Rs. 45.0 Crore						
7.	Whether construction work has been initiated at site? If yes, details thereof	--						
8.	Project Details	<ul style="list-style-type: none"> <li>• Land / Plot Area (m<sup>2</sup>): 44,355.0</li> <li>• FSI area (m<sup>2</sup>): 45,925.61</li> <li>• Non FSI area (m<sup>2</sup>): --</li> <li>• Total BUA (m<sup>2</sup>) : 48,769.26</li> </ul> <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 (m<sup>2</sup>)</td> <td>47,899.23</td> <td>45,925.61</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m <sup>2</sup> )	47,899.23	45,925.61
	Permissible	Proposed						
FSI Area (m <sup>2</sup> )	47,899.23	45,925.61						

		Ground Coverage (m <sup>2</sup> )	15,966.41	15,441.87																								
		Common Plot Area (m <sup>2</sup> )	4,435.50	22,300.00																								
		Max. building height (m)	--	10.50																								
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings/Raw Houses: 220 Nos.</li> <li>Scope of buildings/blocks: Residential. Ground floor + 2 floors.</li> <li>No. &amp; size of Residential Units: 220 Nos.</li> <li>No. &amp; type of Commercial Units: --</li> <li>Details of amenities if any: --</li> </ul>																										
10.	No. of expected residents / users	Expected residents: 1100 Expected shop users: -- Expected visitors: 200																										
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 16.0</li> <li>Source of water: Bore well water.</li> <li>Waste water generation quantity (KL/day): 2.52</li> <li>Mode of disposal: Into septic tank &amp; soak pit.</li> <li>Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment.</li> </ul>																										
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 133.80</li> <li>Source of water: Borewell water.</li> <li>Waste water generation quantity (KL/day): 116.20</li> <li>Mode of disposal: Wastewater generated will be treated into STP and treated sewage will be completely reused for gardening &amp; toilet flushing.</li> <li>In case of STP provision, capacity of STP: 150 m<sup>3</sup>/day</li> <li>STP Technology: Primary, Secondary &amp; Tertiary Treatment</li> <li>Purposes for treated sewage utilization: Treated sewage will be utilized for gardening and toilet flushing.</li> <li>Quantity of treated water to be reused (KL/day): 1. Gardening (KL/day): 89.20, 2. Flushing (KL/day): 27.0</li> <li>Provision of dual plumbing system (Yes/No): Yes</li> <li>Quantity and type (treated/untreated) of water to be discharged: Nil</li> <li>Mode of disposal: Treated water will be completely reused for gardening &amp; toilet flushing purposes within premises.</li> </ul>																										
13.	Status of water supply and drainage line	Source of water will be ground water. Sewage to be generated will be treated in the proposed onsite STP and treated sewage will be completely reused for gardening & flushing purpose. It is proposed to provide an underground pakka tank for storing treated sewage when its utilization for gardening purpose is not possible.																										
14.	Solid waste Management	Construction Phase: <table border="1" data-bbox="422 1496 1501 2011"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>11,150.0</td> <td>11,150.0</td> <td>Reuse for developing garden area.</td> </tr> <tr> <td>Other excavated earth</td> <td>26,613.0</td> <td>---</td> <td>Disposed to other project site in consultation with the concerned local authority.</td> </tr> <tr> <td>Construction debris</td> <td>512</td> <td>244</td> <td>Reused as a filler up to plinth level and remaining will be reused for outer road development</td> </tr> <tr> <td>Steel scrap</td> <td>20</td> <td>--</td> <td>Sold to local scrap vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>12</td> <td>--</td> <td>Sold to local vendors</td> </tr> </tbody> </table> Operation Phase:				Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil	11,150.0	11,150.0	Reuse for developing garden area.	Other excavated earth	26,613.0	---	Disposed to other project site in consultation with the concerned local authority.	Construction debris	512	244	Reused as a filler up to plinth level and remaining will be reused for outer road development	Steel scrap	20	--	Sold to local scrap vendors	Discarded packing materials	12	--	Sold to local vendors
	Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse																									
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Discarded packing materials	12	--	Sold to local vendors																									

		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	420.0	Blue colour bucket	Into dustbin of nearby Gram Panchayat
		Wet waste	280.0	Green colour bucket	Collected and composting within premises.
		STP Sludge	--	--	Reused in gardening as manure within project premises
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste.</li> <li>• Capacity and no. of community bins to be placed within premises: 2.0 m3 in each building</li> <li>• Landfill site where waste will be ultimately disposed by local authority: MSW will be disposed at the nearby MSW collection point of Gram Panchyat.</li> </ul>			
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 6889.00m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR: 6889.00 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC : 220</li> <li>• Number of CPS requirement for residential units as per NBC: 220</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 3,834.0 m<sup>2</sup> &amp; 157 CPS</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: 1,320.0 m<sup>2</sup> &amp; 47 CPS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 2,514.0 m<sup>2</sup> &amp; 110 CPS</li> </ul>			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 12.00 m wide road in W direction</li> <li>• Number of Entry &amp; Exit provided on approach road/s: 2 separate gates will be provided.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 6.40 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m</li> <li>• Width of all internal roads: 7.50 m.</li> </ul>			
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, provision of STP & reuse of treated sewage etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply Maximum demand: 1500 KVA Source: D.G.V.C.L</li> <li>• Energy saving measures: Use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light etc.</li> <li>• DG Sets: Not proposed.</li> </ul>			
19.	Fire and Life Safety Measures	Fire station of Vyara Nagarpalika is at a distance of 2.5 km from the project site and fire tender will take about 10 minutes to reach the project site.			
20.	Details on staircase	One staircase will be provided in each individual raw house.			
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: 18.0 m</li> <li>• No. &amp; dimensions of RWH tank(s) : 23 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.</li> </ul>			

		<ul style="list-style-type: none"> <li>No. and depth of percolations wells: 23 nos. of percolating well, depth will kept 5 m above ground water table.</li> <li>Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen.</li> </ul>
22.	Green area details	<ul style="list-style-type: none"> <li>Tree covered area (m<sup>2</sup>) : 19,844 .0</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>): included in lawn covered area.</li> <li>Lawn covered area (m<sup>2</sup>): 2,456.0</li> <li>Total Green Area (m<sup>2</sup>): 22,300.0</li> <li>Green Area % of plot area: 50.28 %</li> <li>No. of trees and species to be planted: 3307 trees of Asopalav, Bamboo, Neem, Gulmohar etc. will be planted.</li> </ul>
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 109.8 lacs and recurring cost of Rs. 5.2 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.	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.
27.	Documents related to land possession.	Copy of N.A order, for residential use of the project site, submitted by them shows that the land is in the name of sons of one of the partner of the company. Partnership deed has also been submitted.

During the meeting, they have submitted a copy of letter obtained from the office of Executive Engineer, drainage department-2 recommending for NOC to the project with a condition that the construction of the proposed project will be started after leaving margin of 9 m from the nearest boundary of the nearby canal / khadi. After detailed discussion, it was decided to consider the project only after submission of the following:

- Details on the parking area provision for the project considering the parking requirement as per NBC norms including the details on plot area of the each individual type of raw house, ground coverage, area for tree plantation and parking area available within premises of each type of raw house.

18.	Shayona Shikhar	S.No.232, F.P.No.60, O.P.No.60, T.P.S.No. 33, Village: Gota, 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/3356/2015]
2.	Type of Project	Residential project with essential shops.
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Shayona Shikhar

5.	Name of Developer	Shayona Land Corporation																	
6.	Estimated Project Cost (Rs. In Crores)	60 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"> <li>Land / Plot Area (m<sup>2</sup>): 6,377.0</li> <li>FSI area (m<sup>2</sup>):17,473.0</li> <li>Non FSI area (m<sup>2</sup>):--</li> <li>Total BUA (m<sup>2</sup>):27,550.22</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>17,217.90</td> <td>17,473.00</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>---</td> <td>5,655.85</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>637.70</td> <td>642.65</td> </tr> <tr> <td>Max. building height (m)</td> <td></td> <td>28.20</td> </tr> </tbody> </table>				Permissible	Proposed	FSI Area (m <sup>2</sup> )	17,217.90	17,473.00	Ground Coverage (m <sup>2</sup> )	---	5,655.85	Common Plot Area (m <sup>2</sup> )	637.70	642.65	Max. building height (m)		28.20
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Max. building height (m)		28.20																	
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings:4</li> <li>No. of Blocks:7</li> <li>Scope of buildings/blocks: Basement + ground floor (parking &amp; shops) + 7 floors</li> <li>No. &amp; size of Residential Units:196 flats</li> <li>No. &amp; type of Commercial Units:-- 15 Shops</li> <li>Details of amenities if any:---</li> </ul>																	
10.	No. of expected residents / users	Resi.-1000 users including floating population																	
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day):25.0</li> <li>Source of water:AMC water supply</li> <li>Waste water generation quantity (KL/day):4.5</li> <li>Mode of disposal:Soak pit</li> <li>Details of reuse of water, if any:N.A.</li> </ul>																	
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day):111.0</li> <li>Source of water:AMC water supply</li> <li>Waste water generation quantity (KL/day):99.0</li> <li>Mode of disposal: Into AMC drainage line</li> </ul>																	
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by AMC.																	
14.	Solid waste Management	Construction Phase: <table border="1"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse											
	Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse																

		Top Soil	20,000	20,000	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises. Will be used as road sub base within premises. Will be sold to vendors. Will be sold to vendors.
		Other excavated earth			
		Construction debris	Whatsoever	Whatsoever	
		Steel scrap	Whatsoever	Whatsoever	
		Discarded packing materials	Whatsoever	Whatsoever	
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	241	Into bins to be provided to each unit.	Through agency approved by AMC
		Wet waste	162	Into bins to be provided to each unit.	Through agency approved by AMC
		<ul style="list-style-type: none"> <li>• Details of segregation if to be done: No.</li> <li>• Capacity and no. of community bins to be placed within premises: Total 25 bins with 80 lit capacity will be provided for residential blocks &amp; 2 bins with 80 lit capacity will be provided for commercial units.</li> <li>• Landfill site where waste will be ultimately disposed by local authority: N.A.</li> </ul>			
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR:3636.82 sqm</li> <li>• Parking area requirement for residential units as per GDCR:3399.79 sqm</li> <li>• Parking area requirement for Commercial units as per GDCR:237.03</li> <li>• Total number of CPS requirement for the project as per NBC:164 CPS</li> <li>• Number of CPS requirement for residential units as per NBC: 154 CPS</li> <li>• Number of CPS requirement for commercial units as per NBC:10</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 7,582.31 m<sup>2</sup> &amp; 253ECS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 4,696.96 m<sup>2</sup> &amp; 147 ECS</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS: 2,445.0 m<sup>2</sup> &amp; 87 ECS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 440.35 m<sup>2</sup> &amp; 19 ECS.</li> </ul>			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 30 m wide road.</li> <li>• Number of Entry &amp; Exit provided on approach road/s: One gate will be provided.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.5 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3.5 m</li> </ul>			

		<ul style="list-style-type: none"> <li>• Width of all internal roads:7.5 m</li> </ul>																									
17.	Details of Green Building measures proposed.	<ul style="list-style-type: none"> <li>• Fly ash/PPC will be used in concrete, paving blocks and any cement applications.</li> <li>• Lead free paint, enamels will be used for painting wooden and metal surfaces.</li> <li>• Provision of CFL/LED lights</li> </ul>																									
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand:800 KVA Connected load:1500 KVA Source:Gujarat Electricity Board</li> <li>• Energy saving measures: Maximum use of natural light, use of energy efficient electrical appliances,</li> <li>• DG Sets: No. and capacity of the DG sets:1 x 150 KVA Fuel &amp; its quantity:50 lit/hr</li> </ul>																									
19.	Fire and Life Safety Measures	Dedicated water storage for firefighting, fire extinguishers, fire alarm at each building, hose reels, external hydrants, wet risers, automatic sprinkler systems in basements. (1 sprinkler /10 m <sup>2</sup> ) etc.																									
20.	Details on staircase:																										
	<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>13.00</td> <td>1</td> <td>1.60</td> <td>1</td> </tr> <tr> <td>Block B+C</td> <td>15.76</td> <td>1+1</td> <td>1.60+1.60</td> <td>1+1</td> </tr> <tr> <td>Block D+E</td> <td>18.34</td> <td>1+1</td> <td>1.60+1.60</td> <td>1+1</td> </tr> <tr> <td>Block F+G</td> <td>14.86</td> <td>1+1</td> <td>1.60+1.60</td> <td>1+1</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	13.00	1	1.60	1	Block B+C	15.76	1+1	1.60+1.60	1+1	Block D+E	18.34	1+1	1.60+1.60	1+1	Block F+G	14.86	1+1	1.60+1.60	1+1	
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table:35-40 m BGL</li> <li>• No. &amp; dimensions of RWH tank(s): ---</li> <li>• No. and depth of percolations wells:2 nos. of percolating wells, 10 m</li> <li>• Details on Pre-treatment facilities : --</li> </ul>																									
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>):150.0</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>):-</li> <li>• Lawn covered area (m<sup>2</sup>):600.0</li> <li>• Total Green Area (m<sup>2</sup>):750.0</li> <li>• Green Area % of plot area:10%</li> <li>• No. of trees and species to be planted:96 trees of local species.</li> </ul>																									
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, first aid facilities etc.																									
27.	Documents related to land possession.	N.A order for residential use is in the name of applicant.																									

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

1. Details on the permissible FSI for the proposed project and copy of permission obtained from the concerned authority for additional FSI.
2. Explore the possibility of increasing the parking area provision for the proposed project and revised details on the parking area to be provided.

19.	Rio Vista	R.S.No.7/1/P1, 7/3/2, F.P.No.5 & 6/p, Sub Plot No. 1 & 2 O.P.No.43 & 44, T.P.S.No.4 (Rundh Magdalla), Surat.	Screening & scoping
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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/3412/2015]															
2.	Type of Project	Residential Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Rio Vista															
5.	Name of Developer	V Square Developers															
6.	Estimated Project Cost (Rs. In Crores)	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"> <li>• Land / Plot Area (m<sup>2</sup>): 7,433.0</li> <li>• FSI area (m<sup>2</sup>):27,759.58</li> <li>• Total BUA (m<sup>2</sup>):43,175.64</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m<sup>2</sup>)</td> <td>29,732</td> <td>27,759.58</td> </tr> <tr> <td>Ground Coverage (m<sup>2</sup>)</td> <td>3,344.85</td> <td>2,381.54</td> </tr> <tr> <td>Common Plot Area (m<sup>2</sup>)</td> <td>743.3</td> <td>743.65</td> </tr> <tr> <td>Max. building height (m)</td> <td>59.85</td> <td>59.85</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m <sup>2</sup> )	29,732	27,759.58	Ground Coverage (m <sup>2</sup> )	3,344.85	2,381.54	Common Plot Area (m <sup>2</sup> )	743.3	743.65	Max. building height (m)	59.85	59.85
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Max. building height (m)	59.85	59.85															
9.	Building Details	<ul style="list-style-type: none"> <li>• No. of Buildings: Two</li> <li>• No. of Blocks: Two</li> <li>• Scope of buildings/blocks: Residential. 2 level basement + ground floor + 15 floors .</li> <li>• No.&amp; size of Residential Units: 56 Flats- Size 451.91 m<sup>2</sup></li> <li>• No. &amp; type of Commercial Units: No</li> <li>• Details of amenities if any: One Society Office.</li> </ul>															
10.	No. of expected residents / users	252 occupants and 50 visitors															
11.	Water & waste	• Water requirement (KL/day): 21.75															

	water details during construction phase	<ul style="list-style-type: none"> <li>• Source of water: Tankers</li> <li>• Waste water generation quantity (KL/day): 5.73</li> <li>• Mode of disposal: septic tank</li> <li>• Details of reuse of water, if any: No</li> </ul>																																				
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>• Fresh water requirement (KL/day): 37.74</li> <li>• Source of water: SMC water supply</li> <li>• Waste water generation quantity (KL/day):27.81</li> <li>• Mode of disposal: Into drainage line of SMC</li> </ul>																																				
13.	Status of water supply and drainage line	Available at site																																				
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m<sup>3</sup>)</th> <th>Quantity to be reused (m<sup>3</sup>)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>2,000</td> <td>2000</td> <td>Greenbelt development</td> </tr> <tr> <td>Other excavated earth</td> <td>18000</td> <td>10,000 m<sup>3</sup> will be used for internal roads &amp; other paved area development</td> <td>Balance earth will be used in other projects in vicinity.</td> </tr> <tr> <td>Construction debris</td> <td>475</td> <td>220 m<sup>3</sup> will be used for back filling &amp; internal road development.</td> <td>Balance debris will be handed over to AMC.</td> </tr> <tr> <td>Steel scrap</td> <td>15</td> <td>0</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>10</td> <td>0</td> <td>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>64.48</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>96.72</td> <td>Green Bins</td> <td>Municipal bins</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• Details of segregation if to be done: yes</li> <li>• 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</li> <li>• Landfill site where waste will be ultimately disposed by local authority: at the nearby MSW collection point of SMC.</li> </ul>		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	Top Soil	2,000	2000	Greenbelt development	Other excavated earth	18000	10,000 m <sup>3</sup> will be used for internal roads & other paved area development	Balance earth will be used in other projects in vicinity.	Construction debris	475	220 m <sup>3</sup> will be used for back filling & internal road development.	Balance debris will be handed over to AMC.	Steel scrap	15	0	Sold to vendors	Discarded packing materials	10	0	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	64.48	White bins	Sold to vendors	Wet waste	96.72	Green Bins	Municipal bins
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15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR:4,163.93 m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR:4,163.93 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC :56</li> <li>• Number of CPS requirement for residential units as per NBC: 56</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 12,922.1&amp; 409 CPS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 11,874.38 &amp; 371</li> </ul>																																				

		<p>CPS</p> <ul style="list-style-type: none"> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS:863.72 &amp; 30 CPS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 184 &amp; 8 CPS.</li> </ul>																		
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: Two 18 m wide roads</li> <li>• Number of Entry &amp; Exit provided on approach road/s: Two gates</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.5 m &amp; 6 m</li> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4.0 m</li> <li>• Width of all internal roads: 6.0 m &amp; 7.5 m</li> </ul>																		
17.	Details of Green Building measures proposed.	<ul style="list-style-type: none"> <li>• Maximum use of natural lighting through architectural design, energy efficient motors &amp; pumps, water efficient taps, maximum use of RMC, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas (8 nos.), roof top thermal insulation etc.</li> </ul>																		
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand: 500 KVA Connected load: 600 KVA</li> <li>• Source: DGVCL</li> <li>• % of saving with calculations: ~30% by use of LED and star rated energy efficient electronic consumer durables</li> <li>• Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only Glass and roof area</li> <li>• DG Sets: No. and capacity of the DG sets:62.5 KVA Fuel &amp; its quantity: HSD, 12 litre/hr</li> </ul>																		
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> <li>• During Construction Phase: Personal Protective Equipment's (PPEs) will be provided to the construction workers and its usage shall be ensured and supervised, training will be given to all workers on construction safety aspects, first aid room with first aid kit, Doctor &amp; ambulance service in case of emergency &amp; injury etc.</li> <li>• During operation phase: Fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, under ground static fire water storage tank of 100 KL capacity, automatic sprinkler system, pump near underground static water storage tank (fire pump) with minimum pressure of 3.5 kg/cm<sup>2</sup> at terrace level.</li> </ul>																		
•	<p>Details on staircase</p> <table border="1"> <thead> <tr> <th>Type &amp; no. of buildings</th> <th>No. of floors</th> <th>Floor area m<sup>2</sup></th> <th>No. of staircase</th> <th>Width of the staircase (m)</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>G/HP + 15</td> <td>966.54</td> <td>2</td> <td>1.5</td> <td>&lt;30</td> </tr> <tr> <td>B</td> <td>G/HP + 15</td> <td>966.54</td> <td>2</td> <td>1.5</td> <td>&lt;30</td> </tr> </tbody> </table>		Type & no. of buildings	No. of floors	Floor area m <sup>2</sup>	No. of staircase	Width of the staircase (m)	Travel distance (m)	A	G/HP + 15	966.54	2	1.5	<30	B	G/HP + 15	966.54	2	1.5	<30
Type & no. of buildings	No. of floors	Floor area m <sup>2</sup>	No. of staircase	Width of the staircase (m)	Travel distance (m)															
A	G/HP + 15	966.54	2	1.5	<30															
B	G/HP + 15	966.54	2	1.5	<30															
20.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: 10 m</li> <li>• No. &amp; dimensions of RWH tank(s) : 2 No and 2.0m X 2.0 m X 3.0 m</li> <li>• No. and depth of percolations wells :2 nos</li> <li>• Details on Pre-treatment facilities : oil and grease removal and filter</li> </ul>																		
21.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) :300</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>): 200</li> <li>• Lawn covered area (m<sup>2</sup>):243.65</li> <li>• Total Green Area (m<sup>2</sup>):743.65</li> </ul>																		

		<ul style="list-style-type: none"> <li>Green Area % of plot area: 10 %</li> <li>No. of trees and species to be planted: 75 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar</li> </ul>
22.	Dust control measures	Spraying of water, Peripheral barricading,, covered shed for cement Loading area, covering the excavated earth with tarpaulin sheet etc.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 109.8 lacs and recurring cost of Rs. 5.2 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc.
24.	Details of eco friendly building materials	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc.
25.	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.

During the meeting, it was presented that the project site is at a distance of 140 m from the boundary of river Tapi and the committee was of the view that the applicability of CRZ Notification 2011 with reference to the proposed project location should be checked and should be verified through site visit by Gujarat Pollution Control Board. After detailed discussion it was decided to appraise the project further only after submission of the following:

1. Applicability of CRZ Notification, 2011 should be checked with reference to the distance of the project site from the nearest boundary of river Tapi.
2. CRZ map of Surat Municipal Corporation showing that the project site does not fall within the CRZ limits of river Tapi.
3. Projects plans with building & floor wise built up area, FSI area, Floor area table and plot area statement.
4. Land possession documents showing ownership of the applicant, 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).
5. Certificate from a structural engineer with regards to the structural strength of the basement considering the close vicinity of river Tapi.

20.	Karnavati Premier Living	F.P.No.52, S.No.53/B, 54/2/B, D.T.P.S.No.80, Village: Bhat, Dist: Gandhinagar.	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/3410/2015]
2.	Type of Project	Residential
3.	Project/Activity No. [8(a)or 8(b)]	Category 'B', 8(a)
4.	Name of the project	Karnavati Premier Living

5.	Name of Developer	"Karnavati Premier Living"			
6.	Estimated Project Cost (Rs. in Crores)	40 Crores			
7.	Whether construction work has been initiated at site? If yes, details thereof	No any construction activity has been initiated at site.			
8.	Project Details	<ul style="list-style-type: none"> <li>Land / Plot Area (m<sup>2</sup>): 10,673.0</li> <li>FSI area (m<sup>2</sup>): 22301.9</li> <li>Total BUA (m<sup>2</sup>): 36629.10</li> </ul>			
			Permissible	Proposed	
		FSI Area (m <sup>2</sup> )	24,014.24	22,301.9	
		Ground Coverage (m <sup>2</sup> )	---	2,141.49	
		Common Plot Area (m <sup>2</sup> )	1,067.30	1,085.95	
		Max. building height (m)	45	42.13	
9.	Building Details	<ul style="list-style-type: none"> <li>No. of Buildings: 4 Buildings</li> <li>No. of Blocks: 5 Blocks</li> <li>Scope of buildings/blocks: Basement + hollow plinth + 13 floors</li> <li>No. &amp; size of Residential Units: 130 units, 134.6 m<sup>2</sup> to 203.3 m<sup>2</sup> floor area</li> <li>No. &amp; type of Commercial Units: Nil</li> <li>Details of amenities if any:---</li> </ul>			
10.	No. of expected residents / users	Fixed population = (130 Flats x 5 Persons / Flat ) =650 person Floating population = (130 Flats x 2 Persons /Unit /Day) =260 person			
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> <li>Water requirement (KL/day): 40</li> <li>Source of water: Local water supplier / tanker</li> <li>Waste water generation quantity (KL/day): 8</li> <li>Mode of disposal: Septic tank / Soak pit system</li> <li>Details of reuse of water, if any: None</li> </ul>			
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> <li>Fresh water requirement (KL/day): 102.0</li> <li>Source of water: water supply from AUDA</li> <li>Waste water generation quantity (KL/day): 78.0</li> <li>Mode of disposal: Wastewater (sewage) will be discharged into AUDA drainage system.</li> </ul>			
13.	Status of water supply and drainage line	Project is covered under the town planning scheme of AUDA and water supply & drainage connection will be provided by AUDA during the operation phase of the project.			
14.	Solid waste Management	Construction Phase:			
			Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse
		Top Soil	1,800	1,800	Will be stored onsite and used for development of greenbelt.
	Other excavated earth	16400	16400 m <sup>3</sup> will be reused for re-filling of foundation &	Excess (if any) will be sent to another site where need may be exist.	

				plinth, green belt and levelling low lying areas at project site itself.	
		Construction debris	550	550	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	325 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 AUDA.
		Wet waste			
		<ul style="list-style-type: none"> <li>• 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.</li> <li>• Capacity and no. of community bins to be placed within premises:</li> <li>• 17 community bins of 80 lit capacity will be provided at various locations</li> <li>• Landfill site where waste will be ultimately disposed by local authority: Nearby collection point of AUDA.</li> </ul>			
15.	Parking Details	<ul style="list-style-type: none"> <li>• Total parking area requirement for the project as per GDCR: 4,460.38 m<sup>2</sup></li> <li>• Parking area requirement for residential units as per GDCR:4,460.38 m<sup>2</sup></li> <li>• Total number of CPS requirement for the project as per NBC :130 CPS</li> <li>• Number of CPS requirement for residential units as per NBC : 130 CPS</li> <li>• Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 7,877.8 m<sup>2</sup> &amp; 261 CPS</li> <li>• Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 5,626.6 m<sup>2</sup> &amp; 176 CPS</li> <li>• Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: 1,618 m<sup>2</sup> &amp; 58 CPS</li> <li>• Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 99.7 m<sup>2</sup> &amp; 4 CPS</li> <li>• Parking area provided (at any other place-specify) (m<sup>2</sup>) &amp; No. of CPS: (in common plot @ 50% ) 533.5 m<sup>2</sup> &amp; 23 CPS</li> </ul>			
16.	Traffic Management	<ul style="list-style-type: none"> <li>• Width of adjacent public roads: 18 m &amp; 12 m wide roads.</li> <li>• Width of Entry &amp; Exit provided on approach road/s: 7.5 m</li> <li>• Number of Entry &amp; Exit provided on approach road/s: Two gates will be</li> </ul>			

		<p>provided.</p> <ul style="list-style-type: none"> <li>• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m</li> <li>• Width of all internal roads: Main internal approach road 7.5 m &amp; 3 m</li> </ul>
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 &amp; marble door frame instead of wood etc.</p>
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> <li>• Power supply: Maximum demand: Estimated requirement During construction phase: 25 kW and During operation phase: 0.5 MW. Connected load: Will be applied once EC will be granted</li> <li>• Source: M/s.Torrent Power Ltd.</li> <li>• 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.</li> <li>• DG Sets: Not proposed.</li> </ul>
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> <li>• Nearest fire station is Sabarmati fire station approx. (2.5 km). Time required for the fire tender to reach at the project site is 15 - 20 minutes.</li> <li>• 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 &amp; related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds &amp; ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc.</li> <li>• During the operation phase: Fire extinguishers, fire hydrant system, sprinklers, fire extinguishers one CO2 type (4.5 kg) &amp; DCP type (5 kg) for every 1000 m2 of floor area, underground fire water storage tank of 100 KL capacity, overhead tanks of 20 KL capacity etc.</li> </ul>

20.	Details on staircase <table border="1" data-bbox="188 230 1345 577"> <thead> <tr> <th data-bbox="196 230 363 365">Type &amp; no. of buildings</th> <th data-bbox="371 230 627 365">No. of floors</th> <th data-bbox="635 230 818 365">Floor area (Max. Floor Area of Ground Floor)</th> <th data-bbox="826 230 978 365">No. of staircase</th> <th data-bbox="986 230 1153 365">Width of the staircase</th> <th data-bbox="1161 230 1337 365">Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td data-bbox="196 376 363 421">Block- A</td> <td data-bbox="371 376 627 566" rowspan="4">H.P. +13 Floors</td> <td data-bbox="635 376 818 421">406.69</td> <td data-bbox="826 376 978 421">1</td> <td data-bbox="986 376 1153 421">2 m</td> <td data-bbox="1161 376 1337 566" rowspan="4">Approx. 24 m</td> </tr> <tr> <td data-bbox="196 421 363 465">Block- B</td> <td data-bbox="635 421 818 465">406.69</td> <td data-bbox="826 421 978 465">1</td> <td data-bbox="986 421 1153 465">2 m</td> </tr> <tr> <td data-bbox="196 465 363 510">Block- C+D</td> <td data-bbox="635 465 818 510">632.64</td> <td data-bbox="826 465 978 510">2</td> <td data-bbox="986 465 1153 510">2 m</td> </tr> <tr> <td data-bbox="196 510 363 566">Block- E</td> <td data-bbox="635 510 818 566">269.25</td> <td data-bbox="826 510 978 566">1</td> <td data-bbox="986 510 1153 566">2 m</td> </tr> </tbody> </table>		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	H.P. +13 Floors	406.69	1	2 m	Approx. 24 m	Block- B	406.69	1	2 m	Block- C+D	632.64	2	2 m	Block- E	269.25	1	2 m
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>• Level of the Ground water table: depth of water level 40m as per CGWB report</li> <li>• No. &amp; dimensions of RWH tank(s) : 3 nos. RWH structure of 0.45m dia. each structure alongwith rainwater catchment pit 1 x 1.5 x 1.5 m having sand filtration media will be provided.</li> <li>• No. and depth of percolations wells : 3 nos., 40 m</li> <li>• 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.</li> </ul>																								
22.	Green area details	<ul style="list-style-type: none"> <li>• Tree covered area (m<sup>2</sup>) : 614</li> <li>• Area covered by shrubs and bushes (m<sup>2</sup>):--</li> <li>• Lawn covered area (m<sup>2</sup>): 543</li> <li>• Total Green Area (m<sup>2</sup>): 1157</li> <li>• Green Area % of plot area: 10.8%</li> <li>• No. of trees and species to be planted: 135 trees of local species such as Neem, Gulmohar, Ashok, Jambu, Guava, Asopalav, Saptaparni etc. will be preferred for plantation.</li> </ul>																								
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	Sanitation facilities, drinking water, municipal solid waste collection facility																								

	construction workers	etc.
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During the meeting, it was noticed that the N.A permission is obtained for residential & commercial use but the N.A order does not reveal the ownership of M/s Karnavati Premier Living. The project proponent replied that the land owners have obtained N.A permission and they have made development agreement with M/s Karnavati Premier Living. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Copy of agreement made between the land owners & M/s Karnavati Premier Living for development of the proposed project.

21.	Godrej Garden City	Village: Jagatpur, Ta: Dascroi, Dist: Ahmedabad.	Screening & Scoping.
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Godrej Properties Limited has obtained Environmental Clearance for development of township project of Phase I, III & V. They have now applied for construction of balance area in the existing Integrated Township (Residential and Commercial). Gross plot area of the township is 8,37,643.0 m<sup>2</sup>. Total built up area of the project with the proposed additional built up area will be 13,92,000.0 m<sup>2</sup> and the built up area for the proposed expansion will be 3,67,708.0 m<sup>2</sup>.

Presentation made during the meeting included the details like water requirement & sewage management, energy conservation measures, project details, green belt development etc.

During the meeting, the project proponent was asked to carry out fresh baseline study for preparation of the EIA report covering the details of the existing as well as proposed scenario after the proposed expansion. The following additional Terms of Reference were prescribed for the EIA study to be done covering the 5 km radial distance from the boundary of the project site.

1. Compliance report of the conditions stipulated in the Environmental Clearances granted earlier for development of various phases of township.
2. Justification for the proposed expansion of the project along with the supporting documents.
3. Land ownership documents.
4. Layout plan/s showing location of buildings, roads, D.G.sets, STP, composting facility, parking provision, green belt (tree covered area), common plot, location of percolation wells etc. with different colour codes.
5. Provision of separate entry & exit and adequate margin all round the periphery for easy unobstructed movement of fire tender without reversing.
6. Implementation schedule of the project along with the bar chart.
7. 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, industries if any in the area are to be mentioned.
8. 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.
9. Details of site topography along with the contour plan of the project area. Details of change in topography of the area due to the project.
10. Scope of the buildings to come up in the project as well as exact details of the residential units, service and commercial units as well as other amenities to come up in the project.

11. Height of the buildings to come up in the project. Break up of FSI, built up area plot wise, block wise plan & area statement.
12. Proposed fixed population as well as floating population including visitors considered for the proposed project.
13. Source of water supply during the construction phase along with the expected quantity of the water requirement. Waste water disposal plan during the construction phase.
14. Detailed fresh water consumption based on activity and area of the project as per the NBC norms. Exact source of water supply during operation phase. Permission from the concerned authority for water supply.
15. Domestic waste water disposal plan during operation phase and permission of concerned authority for sewage disposal.
16. Details of the STPs with size of each unit, its location on the plan and its adequacy. Measures proposed to prevent odour nuisance due to the STP operation. Provision of dual plumbing for reuse of treated sewage for purposes like flushing, cooling tower make up etc.
17. Details of water conservation measures including provision of low water consuming devices.
18. Application wise break up of treated sewage utilization. Adequacy of open land area available for utilizing treated sewage for plantation / gardening. Suitability of use of treated sewage on the land with respect to the soil characteristic etc. shall be studied and a report in this regard shall be submitted.
19. Details of storm water management. Detailed plan to manage treated sewage in monsoon season. How it will be ensured that treated sewage won't flow outside the premises linked with storm water during high rainy days.
20. 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.
21. 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.
22. Engineering controls proposed for dust control including barricading the site during the construction period.
23. Details on impacts of air emission from the vehicles during the construction and operation phases, emission during loading, unloading, transportation and storage of construction materials etc. and mitigation measures thereof should be incorporated in the EIA report.
24. Details of the D.G. sets including fuel, quantity, stack height, location as well as the acoustic measures proposed to abate noise pollution.
25. Map of the study area clearly delineating the location of monitoring stations for air, water, soil and noise, superimposed with location of habitats are to be shown. Primary data shall be collected for one season except rainy season.
26. Details of base line ambient air quality monitoring data of one season other than monsoon for at least five locations in 5 km study area and impact analysis due to the proposed project. Parameters namely PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, SO<sub>x</sub> and CO shall be considered. Air quality modelling shall be carried out for prediction of impact of the project on the air quality of the area. The details of the model used and the input parameters used for modeling shall be provided. The air quality contours shall be shown on the location map clearly indicating the location of site, location of sensitive receptors, if any, and habitation. Latest available IMD data shall be utilized.

27. Details of incremental pollution load on the ambient air quality, noise and water quality due to the project.
28. Plan to curb noise likely to be generated from the use of construction equipments like mixers, vibrators etc. Impact of project construction/operation on the noise on account of construction equipment, construction/demolition activities and road traffic is to be studied.
29. Details with respect to the quantity of the generation of the garbage / Municipal Solid waste (biodegradable & recyclable waste), Bio Medical waste, electronic waste and mode of its treatment and disposal. Details of composting facility, if any proposed for composting of bio-degradable waste.
30. Details of authorized municipal solid waste facilities, biomedical treatment facilities and hazardous waste disposal facilities in the area should be included. Copy of permission obtained from concerned authority/ies should be submitted. Management and disposal of temporary structures, made during construction phase are to be addressed.
31. 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 township. The backup calculations showing the bifurcation of the built up area according to the activity vis-à-vis parking area required shall be furnished. Mark the area of parking on the drawing showing the parking. Also details of visitors parking, whether considered in total parking calculations / provisions or not.
32. Detailed traffic study & traffic management plan considering the floating and fixed population including visitors as well as existing traffic density on adjacent road during peak hours, projected increase in traffic density in operation phase of the project, carrying capacity of the existing roads, its adequacy during operation phase of the project and the measures to avoid the traffic congestion in the interior as well as the exterior roads.
33. 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.
34. Base line ecological status. In case of any scheduled fauna, conservation plan should be provided.
35. 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.
36. Details of use of eco-friendly building material including fly ash bricks, fly ash paving blocks, RMC, lead free paints, use of PPC in concrete etc.
37. Perspective view of the building(s) to be constructed along with the materials used such as fibers, glass, etc. on the facades or external walls and the impacts thereof on the nearby buildings / residents due to heat island effect and emissions from the air conditioning systems.
38. Details of Green Building Concept to be adopted for the project.
39. 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.
40. 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 percolation wells on the layout plan.

41. 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.
42. 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.
43. 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.
44. Plan showing emergency exits as well as location of stair cases, lifts and pathways etc. and compliance to the GDCR and NBC in this regard.
45. 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 etc. Calculation and provision of minimum fire water requirement based on fire study as well as the availability of external fire fighting facility.
46. 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.
47. Details of disaster management plan during operation phase of the project should also include scenario of natural catastrophe like earth quake, cyclone and floods 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 (viii) location of emergency stair cases and pathways etc.
48. 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. Details of monitoring / supervision cell to monitor environmental aspects during construction phase as well as operation phase including provision of qualified construction safety officer.
49. Copy of permission obtained from Aviation Authority.
50. A tabular chart with index for point-wise compliance of above TORs.

The above mentioned TORs shall be considered for the preparation of the EIA report in addition to all the relevant information as per the generic structure of EIA given in Appendix III in the EIA Notification, 2006. The project shall be appraised on receipt of the EIA report.

The following projects were also discussed during the meeting:

1. ZyduS Corporate House, at Survey Number 536/p, F.P.No.103, Draft T.P.S.No.63, Ta:Khoraj, Dist: Gandhinagar by M/s Cadila Healthcare Ltd.

With reference to the receipt of a letter dated 29/12/2015 from M/s Cadila Healthcare Limited, the request for amendment in Environmental Clearance order dated 24/08/2015 was discussed during the meeting. During the meeting, it was found that at the time of appraisal of the project it was presented that the Built up area of the project will be 80,091.0 m<sup>2</sup>. The same thing is reflected in the minutes of SEAC meeting dated 09/06/2015. But somehow in the Environmental clearance order dated 24/08/2015, it is

mentioned that the built up area of the project will be 42,401.92 m<sup>2</sup>, which is actually a FSI area of the project. The matter was discussed and it was decided to put the things right by recommending the project to SEIAA Gujarat for grant of amendment in Environmental clearance order dated 24/08/2015 by replacing the built up area "42,401.92 m<sup>2</sup>" with the correct built up area of the project i.e "80,091.0 m<sup>2</sup>".

2. The building construction project at S.No.53/1, 531/1, F.P.N.92, 162/2, T.P.S.No.4, Vejalpur, Ahmedabad by Mr. Dilipkumar Shambhubhai Patel.

With reference to the receipt of a letter dated 29/12/2015 from Mr. Dilipkumar Shambhubhai Patel, the request for amendment in Environmental Clearance order dated 21/12/2015 was discussed during the meeting. During the meeting, it was found that the project proponent has mistakenly mentioned location address as "53/1, 531/1, F.P.N.92, 162/2, T.P.S.No.4, Vejalpur, Ahmedabad" in the Form – I submitted along with the application for obtaining Environmental Clearance instead of "53/1, 532/1, F.P.N.92, 162/2, T.P.S.No.4, Vejalpur, Ahmedabad" and based on which the project was recommended with the same location address as mentioned in the Form-I vide this office order no. EIA-10-2015-7054-E-7400 dated 16/12/2015. Project proponent vide their letter dated 29/12/2015 requested to amend the location address of the project as "53/1, 532/1, F.P.N.92, 162/2, T.P.S.No.4, Vejalpur, Ahmedabad". The committee found that the N.A order submitted by them along with the original application reflects the land of F.P.Numbers 92 & 162/2 and S.Nos. 53/1 & 532/1 for commercial use is in the name of Mr. Dilipkumar Shambhubhai Patel & others.

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. Rudraraaj (Nakshatra Galaxia), Block No.79/1+2, Sub Division No.2, Moje-Vanakala, Ta:Choryasi, Surat.
2. New Baroda Prestige(Atyanta Developers), T.P.S NO. -03 (Karanj), R.S. No:-27 (p-1,2,3,4), O.P No: -19, F.P No; 72, Vill -Karanj, Tal: Choryasi, Dist Surat.
3. High Rise Commercial Building Project, Block No.59/p/1,60,61, O.P.No. 27/1,28,29, F.P.No.37,41,42, R.S.No.49/2,49/3, T.P.No.19(Parvat- Magob) Dist: Surat..
4. Alembic City (West), Gorwa, Subhanpura, Vadodara.

The following project proponents were called for presentation & discussion in the meetings of SEAC for two times and they did not remain present during both these meetings of SEAC. It was decided to delist the proposals from the list of applications pending with SEAC and to close the files of these proposals.

1. Parishkaar-II, F.P.No.31/P, T.P.S.No.7, City S.No.525, Sub Plot No.2, Khokhara, Mithipur, Ahmedabad.
2. Hasmukhbhai Fulabhai Patel, R.S.No.35/1/1, 35/1/2, F.P.No.8, O.P.No.8, T.P.No.17, Saiyad Vasna, Vadodara.
3. Infinity Tower, F.P.No.14&15,O.P.No.16/A &17, Ward No.7, Nondh No.347/B/2 & 373/A/1+2, T.P.S.No.1, Laldarwaja, Surat.

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. Sarvesh, Plot No. F.P.No.51,T.P.S.No.1, Ranip, Ahmedabad.

The following project proponent has withdrawn the online application for obtaining Environmental Clearance and submitted revised proposal. It was decided to delist the proposal from the list of applications pending with SEAC, to close the file and to consider the revised proposal in one of the upcoming meetings of SEAC.

1. Sim Estate, F.P No .196 ,T.P.S.No 16 , Shaherkotda, Maninagar , Ahmedabad delist

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.	"Ashirwad Textile Market" at B.No.21, F.P.No.34, O.P.No.34, T.P.S.No.64 (Dumbhal - Magob), Magob, Ta: Puna, Dist: Surat proposed by M/s. Western Construction Company (Gujarat) LLP.
2.	"Chandradarshan" at Block No.320/1, Moje- Kamrej, Surat proposed by Mr. Hiralal Gopalbhai.
3.	"Haridarshan" at Block no. 18/p, Moje- Shekhpur, Ta: Kamrej, Dist: Surat proposed by M/s. R C & Company.
4.	"Suryadarshan" at Block no. 287, Moje- Kamrej, Dist: Surat proposed by M/s. Haridarshan Developers.
5.	Building Construction Project at S.No. 186/1/1 + 186/1/2 +186/2/1 + 232/3+ 233 /1/P +233/2, Kalana, Sananad, Ahmedabad proposed by M/s Vishal Developers.
6.	Building Construction Project at Block No. Block No. 759, Village: Ghuma, Ta:Dasroi, Dist: Ahmedabad proposed by M/s Gala Safal Developers.
7.	"Laxmi Enclave" at T.P.S.No.19 (Katargam), S.No.271, F.P.No.122, Katargam, Dist: Surat proposed by M/s Laxmi Shelter.
8.	"Vraj Galaxy Apartments I" at S.No.94/A,O.P.No.35/2, F.P.No.35/2/1, TPS No. 75, Hanspura-Muthiya, Ahmedabad proposed by M/s. Galaxy Leisure Ltd.
9.	Vraj Galaxy Apartments II, S.No.94/B,O.P.No.35/3, F.P.No.35/3, TPS No. 75, Hanspura-Muthiya, Ahmedabad
10.	Building Construction Project of affordable housing scheme at Plot No. 80/2, Package 23, Village: Tarsamiya, Dist: Bhavnagar proposed by Gujarat Housing Board.
11.	Building Construction Project of affordable housing scheme at Package – 24, V T Nagar road, Mahuva, Dist: Bhavnagar proposed by Gujarat Housing Board.
12.	"Raghuvir Shelton" at O.P.No.16 & 17 & O.P.No.13, F.P.No. 21+22 & F.P.No.13, T.P.S.No.6 (Vesu) & 7 (Vesu-Magdalla), New R.S.No. 358/1,358/2,358/3 & R.S.No.357, Moje – Vesu, Dist:Surat proposed by M/s Raghuvir Developers & Builders.
13.	Building Construction Project for Hospitality & Recreation facility at Block No:60/1/P/1, O.P. No.57/1, F.P.No.57/1, T.P.S.No.31(Gaviar-Magdalla), Choryasi, Surat proposed by M/s. Rajgreen Amazia Club Pvt. Ltd.
14.	"Laxmi Sky City" at S.No.88/B, F.P. No.65/3 O.P.No.65/3, T.P.S.No.109, Muthiya-Hanspura-Bilasiya, Hanspura, Ahmedabad proposed by M/s. Laxmi Developers.
15.	"Polaris Textile Market" at B.No.225, F.P.No.20, O.P.No.20, T.P.S.No. 35 (Kumbharia-Saroli-Sania Hemad - Devadh), Moje: Kumbhariya, Ta: Choryasi, Dist: Surat proposed by Mr. Dilipbhai Bavchandbhai Bhagat.

16.	"Avadh Infracon" at Block No.211, T.P.13, F.P.No.131, Near Shyambaba Temple, V.I.P Road, Vill. Bharthana, Vesu, Surat proposed by Mr. Ashok Undhad.
17.	"Nysa Skydale" at R.S.No.35 & 36, O.P.No.35 & 36, F.P. No.35 & 36, T.P.S.No.47 (draft), Village: Chhani, Dist:Vadodara proposed by Mr. Amin Mikinkumar Harsidhbhai.
18.	"West Gate" at S.No:835/1+3,847, F.P.No:10(old 272), 277, T.P.S.No:26, Makarba, Ahmedabad proposed by M/s Aditya Constructions.(Amendment in terms of expansion).
19.	"SNS EXO Residential High Rise Building" at T.P.S.No.6, F.P.No.13, O.P.No.5, Choryasi, Surat proposed by Mr. Amarbhai N. Shah.
20.	"Sukan River Homes" at T.P.S.No.25, F.P.No.79, Singapore, Surat proposed by Mr. Harjibhai Talsibhai Patel.
21.	"Sterling Township" at Survey numbers of Khoda village:169/3P,169/2P,169/2,169/1,170/1,170/2P,171/2,171/1,171/4,172/7, 172/3, 172/5,172/6,173/3,173/1,173/2,174/2,174/1,175/P,175,176/P,177/P,178/1, 178/2, 193/1, 193/2P, 194/1, 194/2, 195/2P, 195/1, 196/1, 196/2P, 198/2P, 198/1P, 198/3, 199/3 199/4,200/3,201/1P,201/3,201/1P,201/2P,202/P,203/P, 204/P, 205/P, Survey numbers of Iyava village: 211, 212, 213/1P, 213/2P, 213/3P, 214, 214/AP, 214/P, Village: Khoda & Iyava, Ta:Sanand, Dist: Ahmedabad proposed by M/s Viral Gruh Nirman LLP.
22.	Expansion of the building construction project at F.P.No.77, T.P.S.No.110, Moje: Kathwada, Taluka: Dascroi, Dist: Ahmedabad proposed by Ahmedabad Urban Development Authority.

*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.