

Minutes of the 285th meeting of the State Level Expert Appraisal Committee held on 31/03/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 285th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 31st March, 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 R. I. Shah, Member, SEAC.
6. Dr. Mayuri Pandya, Member, SEAC.
7. Shri Hardik Shah, Secretary, SEAC.

The agenda of TOR/Scoping/Category 8 (a)/appraisal/EC amendment cases was taken up. Total thirty (30) cases including nineteen TOR/Scoping cases, four appraisal cases and seven amendment cases were taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1 and Form-1A.

1	Ved Residency	S.No.71/2/4, F.P.No.37/p, T.P.S.No.99, Chiloda, Gandhinagar	Appraisal case
<p>The project was earlier taken up in the meeting of SEAC held on 30/07/2015. During the meeting held on 30/07/2015, while asking by the committee, it was clarified that AMC has passed the project plans in the year 2004 for the built up area of less than 20,000 m². It was presented that as per the consent terms passed by the honourable High Court of Gujarat dated 03/08/2005, they were not allowed to carry out any kind of construction on about 25% of their total land area and hence they have kept the land area open. After wards, the honourable High Court of Gujarat vide order dated 08/01/2015 disposed off the application as it was withdrawn and granted relief to the land owners. In view of the above there isn't any litigation pending against the project and they are now allowed to expand their project on the 25% land of the project site. In consequence to the proposed expansion on the 25% land of the project site, which was open till now, the built up area of the project becomes 32,350.17 m², which attracts the provisions of EIA Notification-2006. As the existing built up area of the project is less than 20,000 m² and the expansion is proposed with total built up area of 32,350.17 m² after getting relief from honourable High Court of Gujarat, the committee was of the view that the it is not a case of violation of EIA Notification-2006 and hence decided to consider the project during the meeting.</p> <p>During the meeting held on 30/07/2015, the project proponent was suggested to provide LED lightings for common areas. After detailed discussion it was decided to further appraise the project only after submission of the following:</p> <ol style="list-style-type: none"> 1. Copies of orders passed by the honourable High Court of Gujarat for the project site. 2. Copy of project plans passed by the concerned competent authority for the built up area of less than 20,000 m² as well as copies of "Rajachitthi" & B.U. permission obtained for the existing project. 3. Exact source of water supply for the project during the operation phase and status of availability of water supply & drainage connection as well as municipal solid waste collection facilities to the proposed project with supporting documents. 			

4. Details on solar energy utilization for the proposed project and how much of the total energy requirement of the project will be compensated through the proposed solar energy utilization.

Project proponent submitted the above mentioned orders passed by the honourable High Court of Gujarat for the project site, copies of project plan passed by Ahmedabad Municipal Corporation for built up area of 19,362.63 m² as well as "Rajachitthi" & B.U. permission obtained for the existing project & other details vide their letter dated 02/01/2016. It is proposed to provide solar street lights and solar lights in garden area. They have submitted a copy of receipt obtained from Ahmedabad Municipal Corporation against various charges paid for the proposed project.

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

Details of the proposed project, as presented before the committee, is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	Expansion of project															
2.	Type of Project	Residential and Commercial Project															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Ved Residency															
5.	Name of Developer	Vikenbhai N. Prajapati															
6.	Estimated Project Cost (Rs. In Crores)	11 Cr.															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²) : 20,656.86 • FSI area (m²): 26,150.55 • Non FSI area (m²): 6,199.62 • Total BUA (m²): 32,350.17 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>55,773.51</td> <td>26,150.55</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>9,050.39</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>2,065.65</td> <td>2,065.69</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>23.25</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	55,773.51	26,150.55	Ground Coverage (m ²)	---	9,050.39	Common Plot Area (m ²)	2,065.65	2,065.69	Max. building height (m)	--	23.25
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Max. building height (m)	--	23.25															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:114 nos. of existing tenements + 2 buildings comprising of 112 nos of flats & 12 nos. of shops. • No. of Blocks: 114 nos. of existing tenements + 2 buildings comprising of 112 nos of flats & 12 nos. of shops. • Scope of buildings/blocks:114 tenements of ground floor + 1st floor. 2 buildings – ground floor (parking & shops) + 7 floors. • No.& size of Residential Units:226 Unit • No. & type of Commercial Units:12 Units • Details of amenities if any:--- 															
10.	No. of expected residents / users	936 residents / users															
11.	Water & waste	<ul style="list-style-type: none"> • Water requirement (KL/day):30.0 															

	water details during construction phase	<ul style="list-style-type: none"> • Source of water: Local water tankers. • Waste water generation quantity (KL/day):4.0 • Mode of disposal: Into soak pit through septic tank • Details of reuse of water, if any: 																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day):134.28 • Source of water: AUDA water supply • Waste water generation quantity (KL/day):98.88 • Mode of disposal: Drainage system of AUDA. 																																
13.	Status of water supply and drainage line	Available near By (AMC)																																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>600</td> <td>600</td> <td>Green Belt Development</td> </tr> <tr> <td>Other excavated earth</td> <td>8,200</td> <td>4500</td> <td>Internal roads & other paved areas, back filling etc.</td> </tr> <tr> <td>Construction debris</td> <td>350</td> <td>350</td> <td>Back filling & internal roads development</td> </tr> <tr> <td>Steel scrap</td> <td>6.00 MT</td> <td>--</td> <td>Sold to venders</td> </tr> <tr> <td>Discarded packing materials</td> <td>165</td> <td>75</td> <td>Sold to venders</td> </tr> </tbody> </table> <p>Remaining quantity of excavated earth will be used at the other project sites in the vicinity.</p> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste & wet waste</td> <td>470.00</td> <td>Volume of bin with 80 lit capacity and 31 bins will be provided within the premises.</td> <td>Will disposed off through collection system to be provided by AUDA.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: 31 bins of 80 lit capacities will be provided. • Landfill site where waste will be ultimately disposed by local authority: 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	600	600	Green Belt Development	Other excavated earth	8,200	4500	Internal roads & other paved areas, back filling etc.	Construction debris	350	350	Back filling & internal roads development	Steel scrap	6.00 MT	--	Sold to venders	Discarded packing materials	165	75	Sold to venders	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste & wet waste	470.00	Volume of bin with 80 lit capacity and 31 bins will be provided within the premises.	Will disposed off through collection system to be provided by AUDA.
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Dry waste & wet waste	470.00	Volume of bin with 80 lit capacity and 31 bins will be provided within the premises.	Will disposed off through collection system to be provided by AUDA.																															
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 2,609.52 m² • Parking area requirement for residential units as per GDCR: 2,430.09 m² • Parking area requirement for Commercial units as per GDCR: 179.43m² • Total number of CPS requirement for the project as per NBC :232 CPS • Number of CPS requirement for residential units as per NBC: 226 CPS • Number of CPS requirement for commercial units as per NBC: 6 CPS • Total Parking area provided (m²) & No. of CPS:7,137.72 m² & 268 CPS. • Parking area provided in basement (m²) & No. of CPS: 2,593.72m² & 81 CPS • Parking area provided in hollow plinth (m²) & No. of CPS: 1,350.0 m² & 48 CPS 																																

		<ul style="list-style-type: none"> • Parking area provided as open surface (m²) & No. of CPS:3,194.0 m² & 26 CPS. 																								
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:60 m wide road on East & West side • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.54 m. • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m. • Width of all internal roads: 7.50 m. 																								
17.	Details of Green Building measures proposed.	Use of energy efficient luminaries viz. CFL & LED lights, solar lights in open areas, use of energy efficient transformers, motors, pumps & other electrical appliances, rain water harvesting & ground water recharge etc.																								
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand:950 KW Connected load:1350 KW • Source: Uttar Gujarat Vij. Company Ltd .(UGVCL) • Energy saving by Non-conventional Methods: Maximum utilization of natural light, roof top thermal insulation, CFL lighting fixtures in the common areas, use of solar energy in external lighting. • DG Sets: No. and capacity of the DG sets: 1×120 KVA Fuel & its quantity: 30 Lit. / Hr. Of HSD 																								
19.	Fire and Life Safety Measures	One water storage tank of 100 KL at ground level & terrace tank of 20 KL, fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system etc.																								
20.	Details on staircase																									
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:130 ft. • No. & dimensions of RWH tank(s) : • No. and depth of percolations wells: 06 Nos. • Details on Pre-treatment facilities :Desilting & Filter Chamber. 																								
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :300 • Area covered by shrubs and bushes (m²):100 • Lawn covered area (m²):1,565.00 • Total Green Area (m²):2,669.72 • Green Area % of plot area:10.00 % • No. of trees and species to be planted: 207 Nos. 																								
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	7 Lacs																								
24.	Proposed dust	Regular water sprinkling, vertical curtains, covered shed for cement																								

	control measures during the construction phase	unloading, covering the excavated earth with tarpaulin sheet etc.
25.	Eco friendly building material usage details.	Fly ash bricks, aerated blocks, fly ash blocks, maximum use of RMC, lead free paints etc.
26.	Basic amenities to be provided to the construction workers.	Regular health check up of workers, sanitation facilities, cooking fuel, drinking water, tea & snacks etc.
27.	Documents related to land possession.	Village form no. 7 shows that the N.A land for residential use is in the name of applicant Mr. Viken N. Prajapati & others.

During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

2	Hotel Project	S.No.223/5, F.P.No.1222/5, O.P.No.1222/5, D.T.P.S.No.221, Village: Bhadaj, Dist: Ahmedabad.	Appraisal case.
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The project was earlier taken up in the meeting of SEAC held on 29/12/2015. During the meeting held on 29/12/2015, the project proponent was suggested to segregate the food waste & horticultural waste from other waste and to convert into manure or other useful end products by installing organic waste converter within premises. The project proponent was suggested to increase the parking area provision for the project. The project proponent agreed to increase the parking area by providing mechanical parking. After discussing various aspects regarding the project, it was decided to further appraise the project only after submission of the following:

1. Explore the possibility source segregation of food waste & garden waste from the other types of wastes and providing organic waste convertor for converting food waste & garden waste into useful end product/s.
2. 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.
3. Copy of N.A permission obtained for the project site or correspondences made with concerned authority in this regard.
4. Exact aerial distance of the project site from the nearest lake /water body.
5. Details of the increased parking area provision considering the proposed mechanical parking along with the complete details of mechanical parking like provision of required basement height, maintenance & operation etc.
6. 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, details of dual plumbing system for reuse of treated sewage for flushing etc.
7. Details on percentage of the total energy & water requirement for the proposed project to be met through the proposed energy conservation measures & treated sewage respectively.

Project proponent submitted the above mentioned details vide their letter dated 08/03/2016. It was mentioned

that they are planning to segregate food waste and garden waste at source and to convert it into compost by use of organic waste convertor. Aerial distance of the project site from the nearest water body is 65 m. It is proposed to increase parking area provision by addition of a separate multilevel parking complex comprising of a basement + ground floor + 5 floors and due to addition of the parking complex built up area of the project will be increased up to 98,722.51 m². Details of the proposed STP has been submitted and it is proposed to install STP of 600 KL/day capacity based on aerobic biological treatment and will be a Moving Bed Bio Reactor followed by tertiary treatment and polishing by Ultra Filtration. It was mentioned that approximately 49% of the total water requirement of the proposed project will be met through use of treated sewage for flushing & gardening purpose. It is proposed to provide solar water heaters for all the hotel rooms & kitchen, solar lights for the garden, open & pathway areas and to use solar energy for pumping of water which contributes to approximately 1.25 % of the total energy requirement of the proposed hotel project.

Salient features of the project are as follows:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [Proposal No.SIA/GJ/NCP/2706/2015]															
2.	Type of Project	Hotel Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the Project	Hotel Project															
5.	Name of Project Proponent	Mr. Ashok R. Thakkar (M/s. Art Club Pvt. Ltd.)															
6.	Estimated Project Cost (Rs. In Crores)	450 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction work has been initiated at site.															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²):- 39,033.0 • FSI area (m²):- 37,533.5 • Total BUA (m²):- 98,722.51 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>1,56,132</td> <td>37,533.5</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>15,245.35</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>3,903.3</td> <td>3,908.5</td> </tr> <tr> <td>Max. Building Height (m)</td> <td>70</td> <td>42.7</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	1,56,132	37,533.5	Ground Coverage (m ²)	---	15,245.35	Common Plot Area (m ²)	3,903.3	3,908.5	Max. Building Height (m)	70	42.7
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Common Plot Area (m ²)	3,903.3	3,908.5															
Max. Building Height (m)	70	42.7															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings :- 1 • No. of Blocks :- --- • Scope of Buildings/Blocks:- Basement + Lower Ground Floor + Ground Floor + 10 Floors • No. & size of Residential Units: Not Applicable • No. & Type of Commercial Units:- It is a hotel project having 439 hotel rooms along with various facilities & amenities like cafeteria, banquet hall, party hall meeting rooms, video conference hall, sport shop, kitchen, library, playing / game zone etc. 															
10.	No. of expected residents / users	<ul style="list-style-type: none"> • Fixed population considered for the project :- 1,985 Persons • Floating population considered for the project :- 4,380 Persons/day. 															

11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day):- 20 • Source of water:- Local water tanker suppliers • Waste water generation quantity (KL/day):- 8 • Mode of disposal:- Septic tank / Soak pit system. 																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Total water requirement (KL/day): 311.0 • Fresh water requirement (KL/day):- 202.5 • Source of water:- water supply from Ahmedabad Municipal Corporation (AMC) • Waste water generation quantity (KL/day): 222.5 • Mode of disposal:- Waste water will be treated in Sewage Treatment Plant. Treated sewage will be utilised for gardening/plantation as well as for flushing purpose through dual plumbing system. Remaining quantity of treated sewage will be discharged into AMC drainage system. • In case of STP provision, capacity of STP: Total capacity will be approx. 600.0 KL/day. • Purposes for treated sewage utilization:- Treated sewage will be utilised for gardening/plantation and for flushing purpose. • Quantity of treated sewage to be reused: 1. Gardening (KL/day): 25 2. Flushing (KL/day): 83.5 • Provision of dual plumbing system (Yes/No): Yes • Quantity and type (treated/untreated) of sewage to be discharged: about 114 KL/day of remaining treated sewage will be discharged through the drainage system of AMC. • Mode of disposal: about 114 KL/day of unused treated sewage will be discharged through the drainage system of AMC. 																																
13.	Status of water supply and drainage line	Water supply & drainage connection will be available to the project after getting the B.U. permission.																																
14.	Solid Waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="475 1205 1513 1765"> <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>5,500 m³</td> <td>5,500 m³</td> <td>Development of greenbelt & levelling of low lying areas</td> </tr> <tr> <td>Other Excavated Earth</td> <td>16,500 m³</td> <td>16,500 m³</td> <td>Levelling of low lying areas and development of green belt area at proposed site itself.</td> </tr> <tr> <td>Construction Debris</td> <td>800 m³</td> <td>800 m³</td> <td>Levelling roads, pavements, plot filling, plinth filling etc.</td> </tr> <tr> <td>Steel Scrap</td> <td>6 MT</td> <td>--</td> <td>To be sold to scarp dealer.</td> </tr> <tr> <td>Discarded packing Materials/ Bags</td> <td>2,50,000 Bags</td> <td>--</td> <td>To be sold to authorized vendor.</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1" data-bbox="475 1861 1513 1962"> <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></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Generation	Quantity to be reused	Mode of Disposal/Reuse	Top Soil	5,500 m ³	5,500 m ³	Development of greenbelt & levelling of low lying areas	Other Excavated Earth	16,500 m ³	16,500 m ³	Levelling of low lying areas and development of green belt area at proposed site itself.	Construction Debris	800 m ³	800 m ³	Levelling roads, pavements, plot filling, plinth filling etc.	Steel Scrap	6 MT	--	To be sold to scarp dealer.	Discarded packing Materials/ Bags	2,50,000 Bags	--	To be sold to authorized vendor.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse				
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		Dry waste	1,119 kg/day	76 Nos. of bins of 80 litre capacity will be provided for collection of waste.	At the nearest waste collection point of AMC.
		Wet waste			
		STP Sludge	25 kg/day	The sludge will be collected in HDPE bags.	Will be used as manure/soil conditioner in the greenbelt area within the premises itself.
		<ul style="list-style-type: none"> • Details of segregation if to be done: Not to be done • Capacity and no. of community bins to be placed within premises: Total 76 Nos. – each of 80 litre capacity • Landfill site where waste will be ultimately disposed by local authority: at the nearest waste collection point of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 18,766.8 m² • Parking area requirement for commercial units as per GDCR: 18,766.8 m² • Total number of CPS requirement for the project as per NBC: 551 CPS • Number of CPS requirement for commercial units as per NBC: 551 CPS • Total parking area provided (m²) & No. of CPS: 29,293.44 m² & 1133 CPS • Parking area provided in basement (m²) & No. of CPS: 4,882.9 m² & 267 CPS (including CPS provided through Mechanical Parking) • Parking area provided as open surface (m²) & No. of CPS: 4,725.84 m² & 206 CPS • Parking area provided (at any other place-specify) (m²) & No. of CPS: 3,639.3 m² (common plot area) & 158 CPS. • Parking area provided in multilevel parking complex: 16,045.40 m² & 502 CPS 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m wide T.P.S. road in South direction of the site 18 m wide T.P.S. road in West direction of the site 12 m wide T.P.S. road in North direction of the site • Number of Entry & Exit provided on approach road/s: Total three gates will be provided i.e one gate on each of the three approach roads. • Width of Entry & Exit provided on approach road/s: 12 m & 6 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): At least 3 m • Width of all internal roads: 12 m & 6 m. 			
17.	Details of Green Building measures proposed.	Use of fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood/ particle board instead of wood, PVC electrical boards, maximum use of Portland Pozzolona Cement (PPC), water meters, solar hot water system, rainwater harvesting & ground water recharge, maximize the use of light colours in the building envelope - to reduce heat absorption and associated cooling requirements etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: During Construction: 50 kW & During Operation: 6 MW Connected load: 6 MW • Source: M/s. Uttar Gujarat Vij Company Ltd. • Energy saving by Non-conventional Methods: Use of solar lighting in common sunlit areas & use of solar hot water system • Energy saving measures: Maximum use of LED lights, use of variable frequency drive motors to optimize power consumption, solar lights in common sunlit areas, maximum use of natural daylight & ventilation through architectural design, use of building material having lower U-value and the insulating material having higher R-value to have optimum energy 			

		<p>performance, maximum use of light and silent colours in the building envelope so that UV absorption is reduced and associated cooling requirements are minimized.</p> <ul style="list-style-type: none"> • D. G. Sets: 3 Nos. No. and capacity of the D G sets: 2×125 KVA & 1× 250 KVA Fuel & its quantity: Diesel (It may be noted that the stated D. G. Set will be used as emergency power back-up.) 																																													
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the operation phase: Fire extinguishers of CO₂ type & DCP type at each floor, hose reels, wet risers, yard hydrants, automatic sprinkler system in entire building, manually operated electric fire alarm system, automatic detection & alarm system, two nos. of underground water tank each having 200 KL capacity etc. • During the construction phase: Provision of Personal Protective Equipments like earplugs, dust masks, safety shoes, helmets, hand gloves etc. to all workers, training to all workers on safer practices, provision related to first aid for the construction workers, complete concealed copper wiring, provision of "H" frame scaffolds & ladders made of mild steel etc. • Nearest fire station is Memnagar Fire Station approx. 7.3 km. Time required for the fire tender to reach at the project site is 15-20 minutes. 																																													
20.	Details on staircase & lifts																																														
	<table border="1"> <thead> <tr> <th>No. of Floors</th> <th>Floor Area</th> <th>Nos. of Staircase</th> <th>Width of the Staircase</th> <th>Nos. of Lift</th> </tr> </thead> <tbody> <tr> <td>Basement</td> <td>2800 m²</td> <td>6</td> <td>2 m</td> <td>17</td> </tr> <tr> <td>Lower Ground Floor</td> <td>6900 m²</td> <td>11</td> <td>2 m</td> <td>17</td> </tr> <tr> <td>Ground Floor</td> <td>3050 m²</td> <td>11</td> <td>2 m</td> <td>17</td> </tr> <tr> <td>1st Floor</td> <td>3260 m²</td> <td>9</td> <td>2 m</td> <td>17</td> </tr> <tr> <td>2nd Floor</td> <td>1900 m²</td> <td>6</td> <td>2 m</td> <td>17</td> </tr> <tr> <td>Service Floor</td> <td>1900 m²</td> <td>4</td> <td>2 m</td> <td>11</td> </tr> <tr> <td>3rd - 8th Floor</td> <td>1900 m²</td> <td>4</td> <td>2 m</td> <td>11</td> </tr> <tr> <td>9th Floor</td> <td>980 m²</td> <td>2</td> <td>2 m</td> <td>6</td> </tr> </tbody> </table>		No. of Floors	Floor Area	Nos. of Staircase	Width of the Staircase	Nos. of Lift	Basement	2800 m ²	6	2 m	17	Lower Ground Floor	6900 m ²	11	2 m	17	Ground Floor	3050 m ²	11	2 m	17	1 st Floor	3260 m ²	9	2 m	17	2 nd Floor	1900 m ²	6	2 m	17	Service Floor	1900 m ²	4	2 m	11	3 rd - 8 th Floor	1900 m ²	4	2 m	11	9 th Floor	980 m ²	2	2 m	6
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: --- • No. & dimensions of RWH tank(s) : --- • No. and depth of percolations wells : 10 Nos., • Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month. 																																													

22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²): 1,860.0 • Area covered by shrubs and bushes (m²): 940.0 • Lawn covered area (m²): 1,410.0 • Total Green Area (m²): 4,210.0 • Green Area % of plot area: 10.8 % • No. of trees and species to be planted: 230 trees of Neem, Asopalav, Gulmohar, Jamun etc.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budget allocation of Rs. 786 lacs & Rs. 23 lacs is proposed as capital & recurring cost respectively towards waste water management, solid waste management, green belt development, rain water harvesting through ground water recharge, energy conservation measures etc.
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, covering the material with tarpaulin sheet covers 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	Use of RMC, fly ash paver blocks, carpentry structures made up of processed engineering wood instead wood, aluminium window frame & marble door frame instead of wood etc.
26.	Details of basic amenities to be provided to construction workers.	Adequate sanitation facilities, drinking water, bins for collection of municipal solid waste, spraying of anti mosquito fumes etc.
27.	Documents related to land possession.	Copy of sub registrar's office index submitted by them shows that the agricultural land of the project site is in the name of wife of Mr. Ashok R. Thakkar. N.A order dated 12/01/2016 submitted shows that the project site for commercial use is in the name of wife of Mr. Ashok R. Thakkar.

During the meeting, it was proposed to develop the lake, which is about 65 m away from the project site, for rain water harvesting & ground water recharge purpose. It was noticed by the committee that water requirement for banquet hall & laundry has not been considered in the total water requirement of the proposed hotel project. After detailed deliberation, it was decided to consider the project only after submission of the following:

1. Permission from the concerned competent authority for developing the lake for rain water harvesting & ground water recharge purpose.
2. Permission from the concerned competent authority for supplying water & drainage connection to the project or letter of intent clearly indicating the time limit within which the water supply & drainage connection will be made available to the project.
3. Explore the possibility of complete reuse of treated sewage within premises. Complete details on treated sewage management plan including activity wise break up of its reuse. Treated sewage management plan in monsoon season when treated sewage utilization for gardening purpose is not possible.

3	Commercial project by Mr. Nareshbhai H. Babariya.	at F.P.No.75, O.P.No.44, T.P.S.No.8, Vill: Umarvada, Ta: Choryasi, Dist: Surat	Appraisal case
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The SEIAA, Gujarat has accorded environmental clearance to Mr. Nareshbhai Haribhai Babariya for commercial building construction project at F.P.No.75, O.P.No.44, T.P.S.No.8, Village: Umarvada, Ta: Choryasi, Dist: Surat vide order no. SEIAA/GUJ/ EC/8(a)/234/2013 dated 22/07/2013 for the built up area of

34,481.56 m² comprising of 01 building housing total 745 shops & offices.

Now, the project proponent, vide their letter dated 20/08/2015 requested for amendment of Environmental Clearance order dated 22/07/2013 for the proposed expansion of the project.

The request for amendment in terms of proposed expansion was considered during the meeting of SEAC held on 16/12/2015. The project proponent presented the details of the previous and the revised project proposals.

During the meeting held on 16/12/2015, while asking by the committee, the project proponent replied that they have not started the construction work at the project site. Looking to the scale of the project after the proposed changes, the project proponent was suggested to provide STP for treatment of sewage to be generated during the operation phase. The project proponent was agreed upon to provide STP for grey sewage to be generated during the operation phase of the project. Floor plans submitted shows that total 7 nos. of staircases will be provided on each floor and maximum travel distance of the farthest corner of the floor from the nearest staircase and distance between the two consecutive staircases will be 24 m. Fire fighting facilities like fire extinguishers, hose reel, wet riser, automatic sprinkler system, manually operated electric fire alarm system, underground fire water tank of 100 KL capacity, terrace tank of 25 KL capacity etc. will be provided. After detailed discussion, it was decided to further appraise the project only after submission of the following:

1. Compliance report in respect of the stipulated terms and conditions in the Environmental Clearance order no. SEIAA/GUJ/EC/ 8(a)/234/2013 dated 22/07/2013.
2. Proposal for providing STP for the project 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. STP sludge management plan.
3. Revised details on water requirement and sewage generation for the project considering reuse of treated sewage for gardening & flushing. Design drawing of dual plumbing system.
4. Justification for the proposed expansion with supporting documents. In case of availability of additional FSI to the project, copy of permission obtained from concerned authority should also be submitted.
5. Type of activities to be carried out in the commercial units of the proposed project. Undertaking stating that no any kind of manufacturing activity shall be allowed in the commercial units of the proposed project and any commercial unit shall not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.
6. Revised details on increased parking area provision with parking plan showing parking in basement and as open surface parking. Complete details of mechanical parking to be provided including provision of required basement height, its operation & maintenance during the operation phase of the project etc. Undertaking stating that the mechanical parking will be provided as per the details submitted by them.
7. Copy of permission obtained from Airports Authority of India for the proposed building height.

Project proponent submitted the above mentioned details & documents vide their letter dated 16/02/2016.

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

It was presented that they have not started any kind of construction activities at the project site. It was presented that only common sanitary blocks will be provided on each floor, instead of providing for each individual commercial unit and hence water requirement & waste water generation quantity will be less. It was requested to exempt them from providing STP as the drainage network of SMC is already available in the area. Copy of permission obtained from the Urban Development and Urban Housing Department, Sachivalay, Gandhinagar for the proposed FSI (4.0), copy of permission obtained from Airports Authority of India for permissible building height of 68.38 m above ground level, details of mechanical parking and the above

mentioned undertaking has been submitted. Total parking area provision for the project after the proposed increase will be 22,057.0 m² [14,163.76 m² in basement (443 CPS) + 7,081.88 m² as mechanical parking in basement (221 CPS) + 811.65 m² as open surface parking (35 C)] and is equivalent to 699 CPS against the parking requirement of 687 CPS as per NBC norms. Basement plan presented during the meeting shows that the height of the basements will be 3.66 m & 4.11 m.

Salient features of the project, as per the EC granted and as per new planning, are tabulated below:

Subject	Approved Parameters	Proposed Parameters
Plot Area, sq.m.	8,591.0	
Built-up Area, sq.m.	34,481.56	53,514.06
FSI Area, sq.m.	19,584.29	34,331.40
Ground Coverage Area, sq.m.	3,900.0	4,052.48
Common plot area, sq.m.	975.57	863.25
Number of buildings	01	01
Number of floors	2 level basement + ground floor + 4 floors.	2 level basement + ground floor + 9 floors.
Height of the building (m)	27.0	53.02
Number of units	745 shops & offices	1445 commercial unit
Basement area sq.m.	12,351.0	14,868.36
Parking area provision sq.m. and number of CPS	13,748.16 m ² [12,351.0 m ² in basement + 1,397.16 m ² as open surface parking] for 445 CPS.	18,478.25 m ² [14,163.76 m ² in basement + 3,502.84 m ² as mechanical parking + 811.65 m ² as open surface parking] for 697 CPS.
Parking requirement as per NBC	391 CPS	687 CPS
Water requirement, m ³ /day	248.25	265.0
Sewage Estimation m ³ /day	195.0	210.0
Municipal Solid Waste generation (Kg/day)	3,187.25	1,950.0
Number of percolation wells	03	03

During the meeting, the request of exempting them from providing STP was not considered and the project proponent was asked to provide STP for atleast grey sewage to be generated from the proposed project during the operation phase and to reuse treated sewage within premises at the maximum extent possible. After discussing the various aspects regarding the project, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance for the proposed expansion

4	Happy Benchmark Textile Hub (Old name: Rahulraj Textile City),	T.P.S.No.33 (Dumbhal), F.P.No.13, O.P.No. 8/1, R.S.No.8/P, Moje: Dumbhal, Ta: Choryasi, Dist: Surat.	Appraisal case
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The project was taken up in the meeting of SEC held on 16/12/2015. During the meeting of SEAC held on 16/12/2015, the Term of Reference were prescribed for the EIA study to be done covering 5 Km radial distance from the project boundary for the proposed expansion with built up area of 3,44,361.82 m².

Project proponent submitted the EIA report to this office on 14/03/2016.

Project proponent along with their expert consultant attended the meeting. During the meeting it was found that the EIA report has been prepared by M/s Earth Care Enviro Solutions Pvt. Ltd., who is not the Environmental consultant organisation which is accredited with the Quality Council of India (QCI) or National Accreditation Board for Education for the category B under the project activity no. 8(b) of the schedule of the

EIA Notification 2006 and hence it was decided not to consider the project for appraisal in view of the amendment of EIA Notification – 2006 dated 03/03/2016.

5	Palak Classic	at S.No.372, F.P.No.62, TPS No.51(Bodakdev Makaraba-Vejalpur) Vejalpur-Jodhpur, Ahmedabad	EC Amendment case.
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The SEIAA, Gujarat has accorded environmental clearance to Mr. Jayeshbhai Chhaganbhai Patel for residential building construction project - "Palak Classic" at S.No.372, F.P.No.62, TPS No.51(Bodakdev Makaraba-Vejalpur) Vejalpur-Jodhpur, Ahmedabad, vide order no. SEIAA/GUJ/EC/8(a)/3083/2015 dated 21/08/2015 for the built up area of 26,322.60 m².

The project proponent, vide proposal no. SIA/GJ/NCP/9755/2015 dated 04/02/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 21/08/2015 for the proposed changes the project.

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

Description	Details as per EC granted	Details of the project after proposed changes.
Name of the project	Palak Classic	Palak Classic
Name of the development	Mr. Jayeshbhai Chhaganbhai Patel	Shree Developers
Location Address	at S.No.372, F.P.No.62, TPS No.51(Bodakdev Makaraba-Vejalpur) Vejalpur-Jodhpur, Ahmedabad	at S.No.372, F.P.No.62, TPS No.51(Bodakdev Makaraba-Vejalpur) Vejalpur-Jodhpur, Ahmedabad
Plot area (sq.m.)	5,217.0	5,217.0
Ground Coverage (sq.m.)	2,751.24	2,789.43
Built – up area (sq.m.)	26,322.60	28,101.60
FSI area (sq.m.)	18,644.10	18,626.74
Number of Building	2	2
Number of Units	56	56
No. of floors	Basement + H.P. + 7 Floors	2 level Basement + H.P. + 7 Floors
Basement area (sq.m.)	2,605.64	5,966.63
Hollow plinth area (sq.m.)	1,949.44	2,789.43
Parking requirement as per NBC	56	56
Parking requirement as per GDR	3,728.82	3,725.25
Parking area provided (sq.m.) and number of CPS	4,555.08 [1,949.44 m ² in hollow plinth + 2,605.64 m ² in basement] & 150 CPS	6,732.25 m ² [2,058.36 m ² in hollow plinth + 4,673.89 m ² in two level basement]& 214 CPS
Water requirement (KL/day) & Source of water	33.0	32.33
Waste water generation (KL/day) mode of disposal	24.19	27.21
Municipal Solid waste generation (kg/day)	112.0	112.0
Total green belt area (sq.m.)	522.0	522.0
Tree Covered area (sq.m.)	200.0	200.0

Lawn Covered area (sq.m.)	222.0	222.0
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During the meeting, it was presented that the main reason for changes in the project is addition of one level basement only. Looking to the fact that by providing basement they are increasing parking facility and there isn't any increase in number of residential units as well as in resource requirement and waste generation due to proposed changes, after detailed discussion, it was decided to consider the project only after submission of the following:

1. NOC from Mr. Jayeshbhai Chhaganbhai Patel for transferring the EC in the name of M/s Shree Developers.
2. Land ownership documents showing the ownership of the project site by the project proponent.

6	Indian Textile Plaza	Sub Plot Number: 1/1, 1/2, & 3, T.P No. 14, F.P No. 106,108, T.P.S.No. 5, Section : 7, F.P No. 224, Shahibaug, Ahmedabad	EC Amendment case.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Shipra Estate Limited for commercial building construction project - "Indian Textile Plaza" at T.P.No.14, F.P.No. 106,108, T.P.No.5, Section 7, F.P.No.224, Shahibaug, Ahmedabad, vide order no. SEIAA/GUJ/EC/8(a)/ 69/2012 dated 01/06/2012 for the built up area of 1,45,517.9 m².

The project proponent, vide proposal no. SIA/GJ/NCP/10028/2016 dated 10/02/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 01/06/2012 with reference to the phase wise development of the project.

The request for amendment in terms of proposed changes was considered during the meeting. It was presented that they want to develop the project in a phased manner based on the three nos. of subplots i.e (1/1,1/2 & 3) of the project site on the same land & location with no change in built up area, FSI area, resource requirement, waste generation & parking requirement & provision. Only number of blocks will be increase due to distribution amongst the sub plots. Details of the project as per the EC granted and details of the project after the proposed subplot wise changes, as presented before the committee, are tabulated below:

Description	Details as per EC granted.	Details of the project after proposed changes			
		Sub plot wise changes.			
Subplot Number	-	1/1	1/2	3	Total
Name of the project	Indian Textile Plaza	Indian Textile Plaza	Indian Textile Plaza	Indian Textile Plaza	Indian Textile Plaza
Name of the developer	Shipra Estate Limited	Shipra Estate Limited	Shipra Estate Limited	Shipra Estate Limited	Shipra Estate Limited
Location address	T.P No. 14, F.P No. 106,108, T.P No. 5, Section : 7, F.P No. 224, Shahibaug, Ahmedabad	Sub Plot Number: 1/1, T.P No. 14, F.P No. 106,108, T.P No. 5, Section : 7, F.P No. 224, Shahibaug, Ahmedabad	Sub Plot Number: 1/2, TP No. 14, F.P No. 106,108, T.P No. 5, Section : 7, F.P No. 224, Shahibaug, Ahmedabad	Sub Plot Number: 3, TP No. 14, F.P No. 106,108, T.P No. 5, Section : 7, FP No. 224, Shahibaug, Ahmedabad	Sub plot 1/1, 1/2, 3, T.P No. 14, F.P No. 106,108, TP No. 5, Section : 7, F.P No. 224, Shahibaug, Ahmedabad
Plot area (sq. m.)	42,590.40	29,750.32	2,191.12	10,647.80	42,589.24
Ground Coverage (sq. m.)	19,165.68	14,129.66	923.05	4,112.97	19,165.68
Built – up area (sq.m.)	1,45,517.9	92,096.36	6,295.61	47,125.93	1,45,517.9

FSI area (sq.m.)	87,310.30	62,063.44	3,720.15	21,526.71	87,310.30
Number of buildings	10	8	1	3	12
Number of Units	1,920	1,339	1	580	1,920
No. of floors	G + 4	G + 4	G + 4	G + 4	G + 4
Basement area for parking (sq. m.)	43,960.52	23,140.54 + 6944 (Mechanical parking)	1,402.77+544 (Mechanical parking)	10417.21+1512 (Mechanical parking)	43,960.52 including mechanical parking.
Parking requirement as per NBC	1,746	1,242	73	431	1,746
Parking requirement as per GDR	26,193.09	18,619.03	1,116.05	6,458.01	26,193.09
Parking area provided (sq m) and number of CPS	Total Area- 52,562.52 m ² [Open area 8,602 m ² - 374 CPS, Basement 43,960.52 m ² - 1,373 CPS] Total -1,747 CPS	Total Area- 37,028.51 m ² [Open area 6,943.97 m ² - 302 CPS Basement- 23,140.54 m ² - 723 CPS Mechanical 6,944 m ² - 217 CPS] Total -1,242 CPS	Total Area- 2,241.81 m ² [Open area 295.04 m ² - 13 CPS, Basement- 1,402.77 m ² - 43 CPS, Mechanical 544 m ² - 17 CPS] Total -73 CPS	Total Area- 13,292.2 m ² [Open area 1,362.99 m ² - 60 CPS, Basement- 10,417.21 m ² - 325 CPS, Mechanical 1,512 m ² - 47 CPS] Total -432 CPS	Total Area- 52,562.52 Open area 8,602 (374 CPS) Basement + mechanical 43,960.52 (1373 CPS) Total -1,747 CPS
Water requirement (KL/day)	326.23	213.65	21.23	91.34	326.23
Waste water generation (KL/day)	261.00	170.22	17.21	73.57	261.00
Municipal Solid waste generation (kg/day)	2,250	1,465	150	635	2,250
Total green belt area (sq.m.)	4,259.04	2,975.03	219.1	1,064.91	4,259.04
Tree Covered area (sq.m.)	650	454.04	33.44	162.52	650
Lawn Covered area (sq.m.)	3,609.04	2,520.99	185.66	902.39	3,609.04

During the meeting, as it was found that the same project is now being developed in a phased manner on the same land portion & location, which will not have any incremental impact on environment in terms of resource requirement & waste generation, it was unanimously decided to recommend the project for grant of amendment in the Environmental Clearance order dated 01/06/2012.

7	Swagat Clifton	R. S. No. 71/2,73/1, Block No: 125+129, O.P. No. 64 ,F.P.No.36, T.P.S. No43 (Bhimrad) Ta: Majura, Dist:Surat.	Screening & scoping / appraisal
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Details of the project as presented before the committee is tabulated below:

Sr. No	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/48965/2016]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Swagat Clifton															
5.	Name of Developer	Mr. Pareshbhai Balubhai															
6.	Estimated Project Cost (Rs. In Crores)	Rs.100 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 11,047.0 FSI area (m²): 42,151.85 Total BUA (m²):68,414.48 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>44,188.00</td> <td>42,151.85</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>3,148.40</td> <td>3,081.87</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,118.48</td> <td>1,118.48</td> </tr> <tr> <td>Max. building height (m)</td> <td>65 m</td> <td>45m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	44,188.00	42,151.85	Ground Coverage (m ²)	3,148.40	3,081.87	Common Plot Area (m ²)	1,118.48	1,118.48	Max. building height (m)	65 m	45m
	Permissible	Proposed															
FSI Area (m ²)	44,188.00	42,151.85															
Ground Coverage (m ²)	3,148.40	3,081.87															
Common Plot Area (m ²)	1,118.48	1,118.48															
Max. building height (m)	65 m	45m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:6 No. of Blocks:6 Scope of buildings/blocks: 4 buildings –2 level basement + hollow plinth + 15 floors. 2 buildings - 2 level basement + ground floor (H.P. & S.P.) + 15 floors. No.& size of Residential Units:540 units No. & type of Commercial Units:--- Details of amenities if any:- 															
10.	No. of expected residents / users	2430															
11.	Water & waste water details during	<ul style="list-style-type: none"> Water requirement (KL/day): 15.0 Source of water: Water supply from SMC 															

	construction phase	<ul style="list-style-type: none"> Waste water generation quantity (KL/day): 2.1 Mode of disposal: Into SMC drain. 																																		
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 345.0 Source of water: Water supply from SMC Waste water generation quantity (KL/day): 272.0 Mode of disposal: disposed in to SMC drain after treatment in STP. In case of STP provision, capacity of STP: - 300 KL/day STP Technology: FMR Technology Purposes for treated water utilization: - Provision of dual plumbing system (Yes/No): -NO Quantity and type (treated/untreated)of water to be discharged: 272 KL/day of treated sewage will be discharge in to drainage line of SMC. Mode of disposal: Treated sewage will be discharged into the drainage line of SMC. 																																		
13.	Status of water supply and drainage line	Both drainage and water supply line are available in the area.																																		
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1,105 m³</td> <td>1,105 m³</td> <td>Top soil will be utilized for greenbelt development</td> </tr> <tr> <td>Other excavated earth</td> <td>57,322.85 m³</td> <td>Nil</td> <td>Excavated soil will be utilized for other projects after payment of necessary royalty, if any.</td> </tr> <tr> <td>Construction debris</td> <td>15kg/day</td> <td rowspan="3">Nil</td> <td rowspan="3">Sold off to recyclers/ vendors.</td> </tr> <tr> <td>Steel scrap</td> <td>15kg/day</td> </tr> <tr> <td>Discarded packing materials</td> <td>6kg/day</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>600 kg/day</td> <td rowspan="2">Into separate bins to be provided within premises.</td> <td rowspan="2">Will be collected through door to door waste collection system of SMC for final disposal at Khajod disposal site</td> </tr> <tr> <td>Wet waste</td> <td>858 kg/day</td> </tr> <tr> <td>STP Sludge</td> <td>3 kg/day</td> <td>-</td> <td>Utilized as manure in garden area</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Details of segregation if to be done: Separate bins for dry and wet waste will be provided to each unit 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1,105 m ³	1,105 m ³	Top soil will be utilized for greenbelt development	Other excavated earth	57,322.85 m ³	Nil	Excavated soil will be utilized for other projects after payment of necessary royalty, if any.	Construction debris	15kg/day	Nil	Sold off to recyclers/ vendors.	Steel scrap	15kg/day	Discarded packing materials	6kg/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	600 kg/day	Into separate bins to be provided within premises.	Will be collected through door to door waste collection system of SMC for final disposal at Khajod disposal site	Wet waste	858 kg/day	STP Sludge	3 kg/day	-	Utilized as manure in garden area
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Wet waste	858 kg/day																																			
STP Sludge	3 kg/day	-	Utilized as manure in garden area																																	

		<ul style="list-style-type: none"> Capacity and no. of community bins to be placed within premises: 6 nos of bins having capacity of 150 kg each for dry waste and 6 nos of 110 kg for wet waste will be provided to building. Landfill site where waste will be ultimately disposed by local authority:Khajod Disposal Site
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 21,075.92 m² Parking area requirement for residential units as per GDCR:21,075.92 m² Total number of CPS requirement for the project as per NBC :540 Number of CPS requirement for residential units as per NBC: 540 Total Parking area provided (m²) & No. of CPS: 21,097.47 m² and 685 CPS Parking area provided in basement (m²) & No. of CPS: 17,737.92 m² and 555 CPS Parking area provided in hollow plinth (m²) & No. of CPS:2,198.53 m² and 79 CPS Parking area provided as open surface (m²) & No. of CPS:1,161.02 m² and 51 CPS
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads:12 & 18 m wide TP road Number of Entry & Exit provided on approach road/s: 3 gates will be provided. Width of Entry & Exit provided on approach road/s:7.5 m & 6 m. Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation):7 m Width of all internal roads: 7.5 m & 6 m.
17.	Details of Green Building measures proposed.	Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.
18.	Energy Requirement , Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand:1800 KW Connected load:1900 KW Source:DGVCL Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. DG Sets: No. and capacity of the DG sets:6 x 60 KVA Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. During the operation phase: Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, terrace water tanks of 20 KL capacity, underground water tank of 100 KL etc. Nearest fire station: Bhatar fire station. Distance from project site: 4 km.

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)
	A	15	386.94	1	1.5 m	Less than 15 m
	B	15	386.94	1	1.5 m	Less than 15 m
	C	15	386.94	1	1.5 m	Less than 15 m
	D	15	539.5	2	1.5 m	Less than 15 m
	E	15	539.5	2	1.5 m	Less than 15 m
F	15	539.5	2	1.5 m	Less than 15 m	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 18m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :3 • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :700 • Area covered by shrubs and bushes (m²): included in lawn covered area. • Lawn covered area (m²): 500 • Total Green Area (m²): 1,200.0 • Green Area % of plot area: 10.86% • No. of trees and species to be planted: 350 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Green belt development : 25 lacs Drainage and rain water harvesting: 50 lacs Solar and energy saving: 35 lacs Total: 110Lacs				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.				
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.				
26.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.				
27.	Land Status	N.A order submitted by them shows that the land of both the survey numbers for residential use is in the name of applicant & others.				

During the meeting, it was observed that they have proposed to discharge treated sewage as such into the drainage line of SMC without reusing it within premises. The project proponent was suggested to reuse treated sewage within premises for purposes like flushing, gardening etc. and to discharge only remaining

quantity of treated sewage into the drainage line of SMC. They were also suggested to increase the staircase width from 1.5 to 2.0 m. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Revised water balance details considering the reuse of treated sewage within premises, design details of dual plumbing system for reuse of treated sewage for flushing purpose, location of STP on the layout plan.
2. Permission from concerned authority for availability of the proposed FSI to the project.

8	Prerna Rajvi Alpines	F. P. No. - 542+558+556+561, S.No.191/2 193, 194, 203/1, 203/2, 203/3, 203/4, T.P. S. No.-29, Vill. Memnagar, Ta.Ghatlodiya Ahmedabad	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/49174/2016]															
2.	Type of Project	Residential & Commercial Project															
3.	Project/Activity No. [8(a) or 8(b)]	Category 'B', 8(a)															
4.	Name of the project	"Prerna Rajvi Alpines "															
5.	Name of Developer	"M/s. Shivam Prerna Infrabuild"															
6.	Estimated Project Cost (Rs. in Crores)	Rs. 71 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"> • Land / Plot Area (m²): 6313 • FSI area (m²): 25,243.77 • Total BUA (m²): 43,983.02 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>25,252</td> <td>25,243.77</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>--</td> <td>2,371.98</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>631.30</td> <td>675.21</td> </tr> <tr> <td>Max. building height (m)</td> <td>44.30 m</td> <td>Maximum building height 44.3 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	25,252	25,243.77	Ground Coverage (m ²)	--	2,371.98	Common Plot Area (m ²)	631.30	675.21	Max. building height (m)	44.30 m	Maximum building height 44.3 m
	Permissible	Proposed															
FSI Area (m ²)	25,252	25,243.77															
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Max. building height (m)	44.30 m	Maximum building height 44.3 m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 2 • No. of Blocks: 5 Blocks • Scope of buildings/blocks: 1 building – 3 level basement + ground floor (parking & shops) + 14 floors. 1 building (4 blocks) - 3 level basement + ground floor (parking & shops) + 13 floors. • No. & size of Residential Units: 251 units, 83.09 m² to 86.18 m² floor area • No. & type of Commercial Units: 33 shops • Details of amenities if any: -- 															
10.	No. of	Fixed population – 1,486 persons															

	expected residents / users	Floating population – 1,162 persons.			
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 28 • Source of water: Local water tanker supplier. • Waste water generation quantity (KL/day): 2 • Mode of disposal: Septic tank / soak pit system • Details of reuse of water, if any: None 			
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 203.0 • Source of water: Water supply from AMC • Waste water generation quantity (KL/day): 158.0 • Mode of disposal: Sewage will be discharged into AMC drainage system. 			
13.	Status of water supply and drainage line	Water & drainage connection will be provided by AMC .			
14.	Solid waste Management	Construction Phase:			
		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	
		Top Soil	1,200	1,200	Will be stored onsite and used for development of greenbelt.
		Other excavated earth	39,000	39,000 m ³ will be reused for re-filling of foundation & plinth, green belt and levelling low lying areas at project site itself.	Excess (if any) will be sent to another site where need may be exist.
		Construction debris	731	731	Will be used for levelling, roads, pavements etc.
		Steel scrap	Whatsoever	--	Will be returned to supplier or sold to scarp dealer / end users.
		Discarded packing materials	Whatsoever	--	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	686	Two separate bins (one for dry and one for wet waste) each of 10 L capacity will be provided to each unit. These bins	The said common community bins will be regularly	

		Wet waste		will be emptied in to community bins provided at various locations.	emptied by AMC.
		<ul style="list-style-type: none"> • Details of segregation if to be done: Two separate bins (one for dry and one for wet waste) each of 10 L capacity will be provided to each unit. • Capacity and no. of community bins to be placed within premises: 39 community bins of 80 lit capacity will be provided at various locations • Landfill site where waste will be ultimately disposed by local authority: At nearby municipal solid waste collection / dumping site of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 5,420.71 m² • Parking area requirement for residential units as per GDCR: 4,556.65 m² • Parking area requirement for Commercial units as per GDCR: 864.06 m² • Total number of CPS requirement for the project as per NBC : 349 CPS • Number of CPS requirement for residential units as per NBC : 251 CPS • Number of CPS requirement for commercial units as per NBC: 98 CPS • Total Parking area provided (m²) & No. of CPS: 11,600.68 m² & 367 CPS • Parking area provided in basement (m²) & No. of CPS: 10,958.23 m² & 343 CPS • Parking area provided in hollow plinth (m²) & No. of CPS: 556.04 m² & 20 CPS • Parking area provided as open surface (m²) & No. of CPS: --86.41 m² & 4 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 40 m & 18 m wide TPS roads • Width of Entry & Exit provided on approach road/s: 7.5 m & 6 m. • Number of Entry & Exit provided on approach road/s: 2 gates will be provided. • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: Main internal approach road 7.5 m & 6m 			
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, PVC electrical boards, aluminium window frame & marble door frame instead of wood, rain water harvesting by recharging the ground water table through 2 percolation wells, maximize the use of light colours in the building envelope - to reduce heat absorption and associated cooling requirements, solar lights in common sunlit areas etc.</p>			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: M/s. Torrent Power Maximum demand: Estimated requirement During construction phase: 50 kW and During operation phase: 1.9 MW. Connected load: Will be applied once EC will be granted • Source: M/s. Torrent Power. • Energy saving measures: Use of solar lighting in common sunlit areas, maximum use of LED lights in each block, use of variable frequency drives motors to optimize power consumption, the individual building block has 			

		<p>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 etc.</p> <ul style="list-style-type: none"> • DG Sets: No. and capacity of the DG sets: 2 x 250 KVA D.G.Sets will be provided as stand by Fuel & its quantity: HSD 																																
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Nearest fire station is located at Memnagar which is at a distance of approximately 1 km. Time required for the fire tender to reach at the project site is 5-10 minutes. • During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practices, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. • During the operation phase: Fire extinguishers, fire hydrant system, hose reels, manual alarm system, automatic sprinkler system in basement, one underground water storage tank having 100 KL capacity & overhead tanks on each individual block etc. will be provided 																																
20.	Details on staircase																																	
	<table border="1"> <thead> <tr> <th>Type & no. of buildings</th> <th>No. of floors</th> <th>Floor area (Max. Floor Area of Ground Floor)</th> <th>No. of staircase</th> <th>Width of the staircase</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>Block- A</td> <td>G/HP+14 floor</td> <td>342.84</td> <td>1</td> <td>2 m</td> <td rowspan="5">Approx. 18 m</td> </tr> <tr> <td>Block- B</td> <td>G/HP+13 floor</td> <td>368.05</td> <td>1</td> <td>2 m</td> </tr> <tr> <td>Block- C</td> <td>G/HP+13 floor</td> <td>368.05</td> <td>1</td> <td>2 m</td> </tr> <tr> <td>Block- D</td> <td>G/HP+13 floor</td> <td>368.05</td> <td>1</td> <td>2 m</td> </tr> <tr> <td>Block- E</td> <td>G/HP+13 floor</td> <td>368.05</td> <td>1</td> <td>2 m</td> </tr> </tbody> </table> <p>And three separate staircase for commercial units having 1.5 m width will be provided.</p>		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	G/HP+14 floor	342.84	1	2 m	Approx. 18 m	Block- B	G/HP+13 floor	368.05	1	2 m	Block- C	G/HP+13 floor	368.05	1	2 m	Block- D	G/HP+13 floor	368.05	1	2 m	Block- E	G/HP+13 floor	368.05	1	2 m
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Block- E	G/HP+13 floor	368.05	1	2 m																														
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: depth of water level 40 m as per CGWB report • No. & dimensions of RWH tank(s): 2 nos. RWH structure of 0.2 m dia. will be provided. • No. and depth of percolations wells : 2 nos. • Details on Pre-treatment facilities : Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first 																																

		rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month.
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²): 551.14 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²):675.21 • Total Green Area (m²): 1,226.35 • Green Area % of plot area: 20% • No. of trees and species to be planted: Local species such as Kadam, Ashok, Sevan, Jambu, Guava etc. will be preferred for plantation.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 3.2 lacs & Rs. 9.2 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase respectively.
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, tarpaulin sheet cover on the material during the transportation, maximum use of Ready Mix Concrete (RMC), uniform piling of sand and proper storage to avoid dusting.
25.	Eco friendly building materials	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash.
26.	Facilities to be provided to the construction workers	Sanitation facilities, drinking water, municipal solid waste collection facility etc.
27.	Documents related to land possession.	Village form no. 7 & 12 submitted by them shows that the N.A land for residential & commercial use is in the name of M/s Shivam Prerna Infrabuild.

During the meeting, it was presented that CO sensors with alarm system will be provided in all the three level basements. Tube axial fans separate for fresh air & exhaust air will be provided in addition to air cut outs in all the three level basements for ventilation. Plans showing location of tube axial fans as well as their specifications in terms of providing air change per hour were also presented during the meeting. Traffic survey carried out on 40 m wide T.P road shows that the Level of Service of the road will remain the same as 'C' (good) in existing and the proposed scenarios. The project proponent was suggested to make use of solar energy as maximum as possible & to implement effective water conservation measures for the proposed project. After detailed deliberation, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

9	Dev Heritage	R. S. NO. 3119, 3121/P, 3124/P, 3125/2/P, 3125/3/P, 3125/4/P, 3129/1, 3129/2, 3129/3/P, 3130, 3131, Kakarkhad, Tehsil & Dist.: Nadiad	Screening & scoping
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New project [SIA/GJ/NCP/42797/2016]

2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Dev Heritage															
5.	Name of Developer	M/s. Ashirwad Corporation															
6.	Estimated Project Cost (Rs. In Crores)	82 crores /-															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²) : 37,920.00 FSI area (m²) : 25,669.98 Total BUA (m²) : 28,759.99 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>45,504.00</td> <td>25,669.98</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>13,651.08</td> <td>10,591.48</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>3,792.00</td> <td>3,792.30</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>10.2</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	45,504.00	25,669.98	Ground Coverage (m ²)	13,651.08	10,591.48	Common Plot Area (m ²)	3,792.00	3,792.30	Max. building height (m)	---	10.2
	Permissible	Proposed															
FSI Area (m ²)	45,504.00	25,669.98															
Ground Coverage (m ²)	13,651.08	10,591.48															
Common Plot Area (m ²)	3,792.00	3,792.30															
Max. building height (m)	---	10.2															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings : 171 bungalows Scope of building/blocks : 171 bungalows of Ground + 2 floors No. & size of Residential Units : 171 Nos. Bungalows No. & type of Commercial Units : NA Details of amenities if any : 															
10.	No. of expected residents / users	855 Nos. (171 Nos. Bunglow * 5 Person)															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 11.3 Source of water: Borewell .water Waste water generation quantity (KL/day): 5.58 Mode of disposal: Septic tank & soak pit Details of reuse of water, if any: No 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 108.88 Source of water: Water supply from Nadiad Nagarpalika Waste water generation quantity (KL/day): 83.106 Mode of disposal: Septic tank through soak pit / STP 															
13.	Status of water supply and drainage line	---															
14.	Solid waste Management	<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>Municipal Solid waste</td> <td>427.5</td> <td>Storage</td> <td>To Nadiad Nagarpalika</td> </tr> </tbody> </table>	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Municipal Solid waste	427.5	Storage	To Nadiad Nagarpalika							
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse														
Municipal Solid waste	427.5	Storage	To Nadiad Nagarpalika														

		<ul style="list-style-type: none"> • Details of segregation if to be done: • Capacity and no. of community bins to be placed within premises: 25 liter Capacity, 20 Bins to be placed • Landfill site where waste will be ultimately disposed by local authority: Nadiad Nagarpalika will collect Municipal Solid Waste
15.	Parking Details	Total open surface parking space of 7,866.0 m ² will be provided as open parking space in individual bungalow. It was presented that parking space of 12.9" x 18.6" in B type bungalows & 10.3" x 15.6" in A type bungalows will be provided.
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: National highway no. 8 • Number of Entry & Exit provided on approach road/s: 1 • Width of Entry & Exit provided on approach road/s: 9.0 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) : 3 m • Width of all internal roads : 7.5 m, 9 m & 6 m.
17.	Details of Green Building measures proposed.	Use of transformers and motors having minimum efficiency of 85%, use of CFL light in the common area, use of light colors to reduce the light absorption and minimize the cooling requirement
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: MGVCL • Maximum demand: 10 HP during construction phase and 465 HP during operation phase • Connected load : 3 Phase • Source: PGVCL • Energy saving measures: Use of transformers and motors having minimum efficiency of 85%, use of CFL light in the common area, use of light colors to reduce the light absorption and minimize the cooling requirement • DG Sets: Not Proposed.
19.	Fire and Life Safety Measures	Fire extinguishers will be provided at various locations.
20.	Details on staircase: One staircase will be provided in each individual bungalow.	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table : • No. & dimensions of RWH tank(s) : 10 Nos. • No. and depth of percolations wells : 10 Nos. • Details on Pre-treatment facilities :
22.	Green area details	<ul style="list-style-type: none"> • Total Green Area (m²) : 2274 • Green Area % of plot area : 6.9 % No. of trees and species to be planted : 569
23.	Proposed dust control measures during the construction phase	Dust suppression by spraying of water, covered shed for cement unloading activity, PUC compulsion for all vehicles, construction activities will be restricted to daytime only, lubrication will be carried out for rotation machinery, barricading the project site etc.
24.	Eco friendly building material usage details.	Maximum use of RMC & fly ash bricks.
25.	Documents related to land possession.	N.A order for all the survey numbers of the project site obtained from Town Planning Department has been submitted & it shows that the land is in the

		name of Cema Electric Company P. Ltd., who has made sale deed with M/s Ashirwad Corporation for project site. Zoning certificate obtained from Nadiad Nagarpalika shows that the project site is falling under residential zone.
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During the meeting, it was found that they have submitted the details of the Environment Management Plan but not submitted the financial details of the same. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Details on availability of water supply, drainage network & municipal solid waste collection facility in the area. Permission from Nadiad Nagarpalika for providing water supply, drainage connection and municipal solid waste collection facility to the proposed project.
2. 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. Details of top soil management plan during construction phase.
3. Details with respect to the quantity of the generation of the garbage / municipal solid waste and plan for its collection, segregation and mode of its disposal, number of bins & community bins to be provided within premises etc.
4. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Measures proposed to comply with the ECBC norms for the proposed energy conservation.
5. Detailed green belt development plan 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 within premises.
6. 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.
7. Strategy for implementation of the Environment Management Plan with financial outlay.
8. Details on the village cart track passing through the project site.

10	Dream Ikon	T.P.No.2 (Vesu – Bharthana), R. S. No. 415/3, 413, 412/1, 412/2, O.P.No.129, 130/1, 130/2, F.P.No.118/1+118/2+119, at Vesu, Surat	EC amendment & expansion.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Ravani Constructions for commercial building construction project - "Dream Ikon" at T.P.No.2 (Vesu – Bharthana), R. S. No. 415/3, 413, 412/1, 412/2, O.P.No.129, 130/1, 130/2, F.P.No.118/1+118/2+119, at Vesu, Surat vide order no. SEIAA/GUJ/EC/8(a)/390/2012 dated 30/11/2012 for the built up area of 42,256.49 m².

The project proponent, vide proposal no. SIA/GJ/NCP/49247/2016 dated 15/02/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 30/11/2012 for the proposed changes in terms of change in scope & expansion of the project.

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

Sr. No.	Details	Details as per environmental clearance	Revised details
1.	Plot / Land Area	13,360 m ²	13,360 m ²
2.	Built-Up Area	42,256.49 m ²	80,150.60 m ²

3.	F.S.I. Area	23,665.50 m ²	52,598.70 m ²
4.	Ground Coverage	4,732.23 m ²	3,793.52 m ²
5.	Basement Area	10,732.39 m ²	15,848.54 m ²
6.	Parking Area	13,271.09 m ² [10,732.39 m ² in two level basement + 2,538.70 m ² as open surface parking] & 445 CPS	27,748.92 m ² [15,037.24 m ² in two level basement + 344.98 m ² as open surface parking + 11,104.18 m ² as mechanical parking in basement + 1,262.52 m ² in hollow plinth] & 876 CPS
7.	Common Plot Area	1,336.85 m ²	1,336.85 m ²
8.	Tree Cover Area	250 m ²	700 m ²
9.	Lawn Cover Area	250 m ²	800 m ²
10.	Total no. of Blocks / Building	Total No. of Buildings – 2 Nos.	Total No. of Buildings – 7 Nos.
11.	Scope and Height of Each Building (e.g. Basement + Hollow Plinth + Ground Floor + No. of floors with height of each building)	2 nos of commercial buildings having ground floor + 4 floors. Height of the building – 21.26 m.	7 nos of residential buildings having 2 level basement + ground floor + 16 floors. Height of the building will be 61.75 m
12.	Block / Building wise and total no. of Residential Units	-	224 residential units.
13.	Block / Building wise and total no. of Commercial units	526 nos. of commercial units.	-

During the meeting, it was presented that due to additional available FSI (about 4.0) to the project and better market condition for residential units they have planned to change the scope of the project from completely commercial to the completely residential with increased built up area of 80,150.60 m² from 42,256.49 m². They have obtained permission from Urban Development & Urban Housing Department, Gandhinagar for addition FSI of 4.0. They have obtained a permission from Airports Authority of India for building height of 63.34 m above ground level. It was presented that the project site has not been affected by flood in the past. They have proposed install STP for treatment of sewage to be generated during the operation phase of the project and to discharge treated sewage into drainage line of SMC without reusing it within premises. The project proponent was suggested to reuse treated sewage within premises at the extent possible and to discharge only remaining quantity of treated sewage into the drainage line of SMC in order to reduce the quantity of fresh water consumption. Further while asking by the committee it was presented that they have yet not started any kind of construction activity at the project site. Fire fighting facilities like fire extinguishers (portable & mobile), hose reel, wet riser, manually operated electric fire alarm system, terrace water tanks of 20 KL capacity, underground water tank of 100 KL, automatic sprinkler system in basement etc. will be provided. After detailed discussion it was decided to consider the project only after submission of the following:

1. Structural stability certificate stating that the buildings are designed considering the load bearing of 16

stories in addition to other loads & seismic zone of the area.

2. Revised water balance details considering the reuse of treated sewage within premises.

11	Hard Rock	T. P. No: 2 (Vesu-Bharthana-Vesu), R. S. No: 417, O. P. No: 103, F. P. No: 121, Dist.Surat	Screening & scoping / appraisal.
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The SEIAA, Gujarat has accorded environmental clearance to M/s A.S.Shah for residential building construction project – “Oberon” at T. P. No: 2 (Vesu-Bharthana-Vesu), R. S. No: 417, O. P. No: 103, F.P.No: 121, Dist. Surat vide order no. SEIAA/GUJ/EC/8(a)/231/2013 dated 22/07/2013 for the built up area of 29,394.10 m² comprising of 5 buildings of hollow plinth + 11 floors with 110 residential units.

The project proponent, vide proposal no. SIA/GJ/NCP/49482/2016 dated 15/02/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 22/07/2013.

The request for amendment for the proposed changes in terms of proposed expansion, change in scope (from completely residential to mixed type of project with residential & commercial units) and transfer of EC was considered during the meeting. Details of the project after the proposed changes, as presented before the committee, are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/49482/2016]															
2.	Type of Project	Residential & Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Hard Rock (Earlier ‘Oberon’)															
5.	Name of Developer	M/s. Avantis Infrastructure (earlier M/S A.S.Shah)															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 72.0 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 9,353.0 • FSI area (m²): 37,271.28 • Total BUA (m²) : 58,760.49 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>37,271.28</td> <td>37,271.28</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>4,888.39</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>935.30</td> <td>950.00</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>44.05</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	37,271.28	37,271.28	Ground Coverage (m ²)	---	4,888.39	Common Plot Area (m ²)	935.30	950.00	Max. building height (m)	--	44.05
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Common Plot Area (m ²)	935.30	950.00															
Max. building height (m)	--	44.05															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 01 Nos. • No. of Blocks: 01 Nos. • Scope of buildings/blocks: 2 level basement + ground floor & 1st floor commercial units + 2nd floor club house + 3rd to 13th floors residential units. • No. & size of Residential Units: 473 Flats • No. & type of Commercial Units: 146 Nos. of Shops, 6 Nos. of Offices, 04 Nos. of 															

		Show Rooms, 02 Nos. of Banquet Halls.																										
10.	No. of expected residents / users	Expected residents: 1892 Expected shop users: 320 Expected visitors: 1000																										
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 14.50 • Source of water: Bore well water • Waste water generation quantity (KL/day): 2.10 • Mode of disposal: Soak pit • Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment. 																										
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Total Water requirement (KL/day): 291.0 • Fresh water requirement (KL/day): 196.0 • Source of water: Water supply from S.M.C • Waste water generation quantity (KL/day): 230.0 • Mode of disposal: Sewage to be generated will be segregated into the grey & black sewage. Grey sewage will be treated in the proposed onsite STP for grey water. Treated grey sewage will be reused for gardening & flushing purpose within premises and only remaining quantity of treated grey sewage along with untreated black sewage will be discharged into the underground drainage line of SMC. • In case of STP provision, capacity of STP: Yes (Grey water treatment plant – 165 KL/day) • STP Technology: Grey Water Treatment Plant • Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing • Quantity of treated water to be reused: 1. Gardening (KL/day): 4.0 2. Flushing (KL/day): 91.0 • Provision of dual plumbing system (Yes/No): Yes • Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will be segregated into the grey & black sewage. Grey sewage will be treated in the proposed onsite STP for grey sewage. Treated grey sewage will be reused for gardening & flushing purpose within premises and only remaining quantity of treated grey sewage along with untreated black sewage will be discharged into the underground drainage line of SMC. <p>Mode of disposal: As above.</p>																										
13.	Status of water supply and drainage line	Applied for connection of water supply and drainage connection in S.M.C. and the facilities 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 (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>475.0</td> <td>475.0</td> <td>Reuse for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>71,247.58</td> <td>1015.18 m³ will be reused for back filling.</td> <td>Disposal to other project site in consultation with SMC</td> </tr> <tr> <td>Construction debris</td> <td>617</td> <td>294 m³ will be reused as a filler up to plinth level.</td> <td>Remaining quantity will be reused for outer road development</td> </tr> <tr> <td>Steel scrap</td> <td>24</td> <td>--</td> <td>Sold to local scrap vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>15</td> <td>--</td> <td>Sold to local vendors</td> </tr> </tbody> </table>				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	475.0	475.0	Reuse for developing garden area	Other excavated earth	71,247.58	1015.18 m ³ will be reused for back filling.	Disposal to other project site in consultation with SMC	Construction debris	617	294 m ³ will be reused as a filler up to plinth level.	Remaining quantity will be reused for outer road development	Steel scrap	24	--	Sold to local scrap vendors	Discarded packing materials	15	--	Sold to local vendors
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STP Sludge / GWTP Sludge	15.00	On SDB	Reused in gardening as manure within project premises															
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 6,821.00 m² • Parking area requirement for residential units as per GDCR: 4,360.77 m² • Parking area requirement for Commercial units as per GDCR: 2,459.85 m² • Total number of CPS requirement for the project as per NBC : 401 • Number of CPS requirement for residential units as per NBC: 237 • Number of CPS requirement for commercial units as per NBC: 164 • Total Parking area provided (m²) & No. of ECS: 19,503.00 m² & 631 ECS • Parking area provided in basement (m²) & No. of ECS: 17,699.00 m² & 553 ECS • Parking area provided as open surface (m²) & No. of ECS: 1,804.00 m² & 78 ECS 																
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 45 m & 12 m wide roads • Number of Entry & Exit provided on approach road/s: 3 gates will be provided. • Width of Entry & Exit provided on approach road/s: 6 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: 6 m 																
17.	Details of Green Building measures proposed.	Use of fly ash based material, flush tank instead of direct flushing in toilets, foam type aerated coke, rain water harvesting, use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light etc.																
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply Maximum demand: 2500 KVA Source: D.G.V.C.L • Energy saving measures: use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light etc. • DG Sets No. and capacity of the DG sets: 2 x 125 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity – 55 L/hr 																
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system (in both the basements), manually operated electric fire alarm system, automatic detection & alarm system, underground fire water storage tank (75 KL x 4 nos),																

		terrace tanks of 10 KL x 4 nos., provision of pump: one electric & one diesel pump of capacity 1620 L/min. & one electric pump of capacity 180 L/min. having pressure 3.5 kg/cm ² at terrace level etc.																								
20.	Details on staircase																									
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: --- • No. & 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. • No. and depth of percolations wells: 05 nos. of percolating wells. • Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen • 																								
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 430.0 • Area covered by shrubs and bushes (m²): -- • Lawn covered area (m²): 520.0 • Total Green Area (m²): 950.0 • Green Area % of plot area: 10.15 % • No. of trees and species to be planted: 72 trees of Gulmohar, Neem tree, Coconut palm, Asopalav, Champa etc. 																								
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 79.35 lacs and recurring cost of Rs. 4.95 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management, sewage treatment & reuse etc.																								
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.																								
25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.																								
26.	Details on amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.																								

They have submitted a copy of permission obtained from Airports Authority of India for building height of 46.92 m above ground level. Further it was noticed that parking space for banquet hall at its full occupancy should

also be considered in the parking provision for the project and hence the project proponent was suggested to increase the parking area provision for the project. It was presented that any kind of construction activity has not been started at the project site. After detailed discussion it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from Urban Development & Urban Housing Department, Gandhinagar for the proposed FSI.
2. Explore the possibility of increasing the parking area provision for the proposed project and revised details on parking area provision considering the same as well as actual parking area available in the basement and actual parking requirement as per NBC norms for each component of the project including banquet hall to come up in the project with back up calculation & parking plans.
3. NOC from M/s A.S.Shah for transferring the EC in the name of M/s. Avantis Infrastructure.
4. Layout plan showing the exact location of approach ramps to basement & STP.
5. Structural stability certificate stating that the design & foundation of the building has been done considering the load bearing of ground floor + 13 floors and other essential aspects like terrace water tanks, seismic zone of the area, soil quality etc.
6. Land possession documents showing the ownership of land by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site for commercial use or a copy of documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).

12	Building construction project by Mr. Vijaybhai M. Bharwad	F.P No-117, O.P.No. - 117, New S.R.No. - 40-1+2, Old S.R.No.-33, Sub Plot No.-01, T.P.S. No. - 75 (Magdalla-Vesu-Gavier), Moje-Magdalla, Dist .Surat.	Screening & scoping / appraisal
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/49686/2015]
2.	Type of Project	Residential & Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Residential & Commercial project.
5.	Name of Developer	Mr. Vijaybhai M. Bharwad
6.	Estimated Project Cost (Rs. In Crores)	30 Crore
7.	Whether construction work has been initiated at site? If yes, details thereof	No.

8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 10,025.94 FSI area (m²): 21,801.49 Total BUA (m²): 32,125.63 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>22,558.35</td> <td>21,801.49</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>2,857.40</td> <td>2,695.38</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,002.59</td> <td>1,002.59</td> </tr> <tr> <td>Max. building height(m)</td> <td>--</td> <td>28.20 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	22,558.35	21,801.49	Ground Coverage (m ²)	2,857.40	2,695.38	Common Plot Area (m ²)	1,002.59	1,002.59	Max. building height(m)	--	28.20 m							
	Permissible	Proposed																						
FSI Area (m ²)	22,558.35	21,801.49																						
Ground Coverage (m ²)	2,857.40	2,695.38																						
Common Plot Area (m ²)	1,002.59	1,002.59																						
Max. building height(m)	--	28.20 m																						
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 4 Nos. No. of Blocks: 7 Nos. Scope of buildings/blocks: 2 blocks – Ground floor (parking & shops) + 9 floors, 4 blocks – Hollow plinth + 9 floors, 1 block – Ground floor (parking & shops) + 8 floors, No. & size of Residential Units: 232 Nos. (2 BHK- 144 & 3 BHK -88) No. & type of Commercial Units: 18 Shops Details of amenities if any: No 																						
10.	No. of expected residents / users	1044 nos. residential users																						
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 15.95 Source of water: Water supply from S.M.C Waste water generation quantity (KL/day): 1.15 Mode of disposal: disposed through onsite septic tank and soak pit Details of reuse of water, if any: washing water of construction equipments will be reused for curing 																						
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 148.0 Source of water: Water supply from S.M.C Waste water generation quantity (KL/day): 116.0 Mode of disposal: Disposal through underground drainage line to be provided by SMC. 																						
13.	Status of water supply and drainage line	The project site is covered under the town planning scheme of SMC and water supply & 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 (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>20,616</td> <td>20616</td> <td rowspan="3">Excavated surplus earth and construction debris will be refilled at low lying areas within the project premises and top soil will be used for development of greenbelt.</td> </tr> <tr> <td>Other excavated earth</td> <td></td> <td></td> </tr> <tr> <td>Construction debris</td> <td>48</td> <td>48</td> </tr> <tr> <td>Steel scrap</td> <td>5.6 MT</td> <td>5.6 MT</td> <td>Will be sold to scrap dealer</td> </tr> <tr> <td>Discarded packing materials</td> <td>1 MT</td> <td>--</td> <td>Will be sold to vender.</td> </tr> </tbody> </table> <p>Operation Phase:</p>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	20,616	20616	Excavated surplus earth and construction debris will be refilled at low lying areas within the project premises and top soil will be used for development of greenbelt.	Other excavated earth			Construction debris	48	48	Steel scrap	5.6 MT	5.6 MT	Will be sold to scrap dealer	Discarded packing materials	1 MT	--	Will be sold to vender.
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Discarded packing materials	1 MT	--	Will be sold to vender.																					

		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	647 Kg	Municipal solid waste to be generated will be collected in the bins to be provided to each unit.	Collected municipal solid waste will be finally disposed off through door to door waste collection system of SMC.
		Wet waste			
		<ul style="list-style-type: none"> • Details of segregation if to be done: The solid wastes generated will be segregated into biodegradable and non-biodegradable wastes and collected in separate bins. • Capacity and no. of community bins to be placed within premises: 140 liter each; 15 nos. of bins; • Landfill site where waste will be ultimately disposed by local authority: M.S.W will be finally disposed at Khajod disposal site. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,452.14 m² • Parking area requirement for residential units as per GDCR: 3,270.22 m² • Parking area requirement for Commercial units as per GDCR: 181.92 m². • Total number of CPS requirement for the project as per NBC: 172 nos. • Number of CPS requirement for residential units as per NBC: 160 nos. • Number of CPS requirement for commercial units as per NBC: 12 nos. • Total Parking area provided (m²) & No. of ECS: 7,779.68 m², 264 nos. • Parking area provided in basement (m²) & No. of ECS: 4,782.73 m², 149 nos • Parking area provided in hollow plinth (m²) & No. of ECS: 2,013.84 m², 72 nos. • Parking area provided as open surface (m²) & No. of ECS: 983.11 m², 43 nos. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18 m & 9 m wide road • Number of Entry & Exit provided on approach road/s: 2 gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: , 7.5 & 6.10 m 			
17.	Details of Green Building measures proposed.	Maximum utilization of natural light, CFL lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [Cement + Fly Ash + Air mixture] will be used to reduce heat stress inside building, rain water harvesting through ground water recharge etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply Maximum demand: 1500 KW Connected load: -- • Source: D.G.V.C.L • Energy saving by Non-conventional Methods: • Energy saving measures: Maximum utilization of natural light, CFL lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [Cement + Fly Ash + Air mixture] will 			

		<p>be used to reduce heat stress inside building etc.</p> <ul style="list-style-type: none"> • DG Sets <p>No. and capacity of the DG sets: 1 x 125 KVA Fuel & its quantity: Diesel & 8 lit/hr.</p>																																			
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Fire extinguishers & hose reel at each floor, wet riser opening at each floor, automatic sprinkler system in basement, underground water tank of 75 KL capacity for each building, terrace water tank of 25 KL on each building block etc. • Nearest fire station: Bhatar Fire Station. • Distance from the project site: approximate at 7.88 Km • Time required for a fire tender to reach the project site: 10 - 15 minutes. 																																			
20.	Details on staircase																																				
	<table border="1"> <thead> <tr> <th>Name of Building</th> <th>Type & no. of buildings</th> <th>No. of floors</th> <th>Floor area</th> <th>No. of staircase</th> <th>Width of the staircase(m)</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>A & B</td> <td>Joint</td> <td>G + 9</td> <td>646.76</td> <td>02</td> <td>1.52</td> <td><30</td> </tr> <tr> <td>C & D</td> <td>Joint</td> <td>G + 9</td> <td>884.53</td> <td>02</td> <td>1.52</td> <td><30</td> </tr> <tr> <td>E</td> <td>Single</td> <td>G + 8</td> <td>274.88</td> <td>01</td> <td>1.52</td> <td><30</td> </tr> <tr> <td>F & G</td> <td>Joint</td> <td>G + 9</td> <td>646.76</td> <td>02</td> <td>1.52</td> <td><30</td> </tr> </tbody> </table>	Name of Building	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase(m)	Travel distance (m)	A & B	Joint	G + 9	646.76	02	1.52	<30	C & D	Joint	G + 9	884.53	02	1.52	<30	E	Single	G + 8	274.88	01	1.52	<30	F & G	Joint	G + 9	646.76	02	1.52	<30	
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F & G	Joint	G + 9	646.76	02	1.52	<30																															
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 50-100 ft • No. & dimensions of RWH tank(s) : --- • No. and depth of percolations wells : 3 nos. • Details on Pre-treatment facilities : Gravity filter, MOC: PE 																																			
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 383.86 • Area covered by shrubs and bushes (m²): inclusive in lawn covered area • Lawn covered area (m²): 521.98 • Total Green Area (m²): 905.84 • Green Area % of plot area: 9 % • No. of trees and species to be planted: 130 nos. of trees like Asopalav, Gulamhor, Palm, Ficus ,Badam etc. 																																			
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Capital Cost (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Landscaping</td> <td>6 Lacs</td> </tr> <tr> <td>2</td> <td>Groundwater Recharge Structure</td> <td>6 Lacs</td> </tr> <tr> <td>3</td> <td>Solar Energy Utilization</td> <td>3 lacs</td> </tr> <tr> <td>4</td> <td>Energy Efficient Lighting</td> <td>2 lacs</td> </tr> <tr> <td>5</td> <td>Solid Waste Management</td> <td>1 lacs</td> </tr> <tr> <td>6</td> <td>Monitoring of Air, Water, Noise & Soil</td> <td>0.75 lacs</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>18.75 Lacs</td> </tr> </tbody> </table>	Sr. No.	Description	Capital Cost (Rs. In Lacs)	1	Landscaping	6 Lacs	2	Groundwater Recharge Structure	6 Lacs	3	Solar Energy Utilization	3 lacs	4	Energy Efficient Lighting	2 lacs	5	Solid Waste Management	1 lacs	6	Monitoring of Air, Water, Noise & Soil	0.75 lacs	Total		18.75 Lacs											
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Total		18.75 Lacs																																			
24.	Proposed dust control measures during the construction phase	Vertical curtains, water sprinkling, covering the building materials with the tarpaulin sheet etc.																																			
25.	Eco friendly building material usage details.	Fly ash based bricks, Ready Mix Concrete, A.C.C Blocks will be used.																																			
26.	Amenities for	Sanitation facility, drinking water & tap water, soak pit for domestic waste																																			

	the construction workers.	water collection, first aid box, free medicine, doctor service, PPEs etc.
27.	Documents related to land possession.	Village form no. 7 & 12 submitted by them shows that the agricultural land of the project site is in the name of applicant & others. Zoning certificate of SMC shows that the project site falls in residential zone.

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

1. Status of availability of water supply & drainage connection to the proposed project with supporting documents.
2. Status of permission for the non agricultural use of the project site or correspondences made with concerned competent authority in this regard.

13	Residential building construction project by M/s Fortune Royale	R.S. No.. 382/1, Moje: Chala, Tehsil: Vapi District : Valsad	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/49962/2016]															
2.	Type of Project	Residential Project															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Residential Project															
5.	Name of Developer	Fortune Royale															
6.	Estimated Project Cost (Rs. In Crores)	50 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²) : 11,130 • FSI area (m²): 18,915.60 • Total BUA (m²): 36,164.73 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>18,921</td> <td>18,915.60</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>2226.0</td> <td>2,219.96</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>----</td> <td>2,266</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>30.0</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	18,921	18,915.60	Ground Coverage (m ²)	2226.0	2,219.96	Common Plot Area (m ²)	----	2,266	Max. building height (m)	---	30.0
	Permissible	Proposed															
FSI Area (m ²)	18,921	18,915.60															
Ground Coverage (m ²)	2226.0	2,219.96															
Common Plot Area (m ²)	----	2,266															
Max. building height (m)	---	30.0															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 3 • Scope of buildings/blocks: Basement + hollow plinth +10 floors. • No. & size of Residential Units: Flats : 100 • No. & type of Commercial Units: Nil • Details of amenities if any: - 															
10.	No. of expected	450 – from flat															

	residents / users																																	
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 16.25 Source of water: Water tankers Waste water generation quantity (KL/day): 10.53 Mode of disposal: Into septic tank & soak pit. Details of reuse of water, if any: 4.0 KLD for curing 																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 71.1 Source of water: Water supply from Vapi Nagarpalika Waste water generation quantity (KL/day): 52.27 Mode of disposal: Into sewer line of Vapi Nagarpalika. 																																
13.	Status of water supply and drainage line	Copy of letter obtained from Vapi Nagarpalika, stating that the drainage connection & water supply line will be provided up to the main road on completion of the construction work of the project, has been submitted.																																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1350</td> <td>1350</td> <td>Greenbelt development</td> </tr> <tr> <td>Other excavated earth</td> <td>25650</td> <td>14310 m³ will be used for back filling and internal road development.</td> <td>Remaining will be disposed at other project site for back filling or will be used for outside road development.</td> </tr> <tr> <td>Construction debris</td> <td>260</td> <td>260 m³ will be used for Back filling and internal road development</td> <td>---</td> </tr> <tr> <td>Steel scrap</td> <td>8</td> <td>---</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>5</td> <td>----</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 & wet waste</td> <td>300</td> <td>Into bins to be provided within premises for each unit.</td> <td>Final disposal through agency authorized by Vapi Nagarpalika</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Details of segregation if to be done: Green bins for bio degradable waste & White bins for non biodegradable west Capacity and no. of community bins to be placed within premises: ~300 bins provided with 5 litre to 25 litre capacity Landfill site where waste will be ultimately disposed by local authority: at the municipal solid waste dumping site of Vapi Nagarpalika. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1350	1350	Greenbelt development	Other excavated earth	25650	14310 m ³ will be used for back filling and internal road development.	Remaining will be disposed at other project site for back filling or will be used for outside road development.	Construction debris	260	260 m ³ will be used for Back filling and internal road development	---	Steel scrap	8	---	Sold to vendors	Discarded packing materials	5	----	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste & wet waste	300	Into bins to be provided within premises for each unit.	Final disposal through agency authorized by Vapi Nagarpalika
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Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse																															
Dry waste & wet waste	300	Into bins to be provided within premises for each unit.	Final disposal through agency authorized by Vapi Nagarpalika																															
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 2,837.34m² Parking area requirement for residential units as per GDCR: 2,837.34m² Total number of CPS requirement for the project as per NBC:100 CPS Number of CPS requirement for residential units as per NBC: 100 CPS Total Parking area provided (m²) & No. of CPS: Area –11,801.43 m² , CPS 																																

		<ul style="list-style-type: none"> - 378 • Parking area provided in basement (m²) & No. of CPS: Area – 9,581.47m² , CPS - 299 • Parking area provided in hollow plinth (m²) & No. of CPS: Area – 2,219.96 m² , CPS – 79 					
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24 m on E side • Number of Entry & Exit provided on approach road/s: One gate will be provided. • Width of Entry & Exit provided on approach road/s: 12.0 m • Minimum width of open path all around the buildings for easy access of fire tender(excluding the width for the plantation): 6.0 m • Width of all internal roads: 9.0 m and 6.0 m 					
17.	Details of Green Building measures proposed.	Maximum use of natural light through architectural design, use of energy efficient motor and pumps, maximum use of aerated blocks, use of LED & low voltage lighting, solar lighting in open and landscape areas, rooftop thermal insulation, rain water harvesting through ground water recharge etc.					
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 800 KVA Connected load:---- Source: DGVCL • Energy saving measures: Maximum use of natural light through architectural design, use of energy efficient motor and pumps, maximum use of aerated blocks, use of LED & low voltage lighting, solar lighting in open and landscape areas, rooftop thermal insulation • DG Sets: No. and capacity of the DG sets: 1 X 125 KVA Fuel & its quantity: HSD 25 litre/hr 					
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Fire extinguishers, hose reel, down comer, manually operated electric fire alarm system, automatic sprinkler system (basemeten only), terrace tank of 25 KL on each block, pump capacity at the terrace tank level with minimum pressure of 2.0 kg/cm²- 900lit/min etc. • Name of the nearest fire station: Vapi Fire Station Distance from the project site: About 2.3 Km Time required by the fire tender to reach the project site: 15 minutes 					
20.	Details on staircase						
	Type & no. of buildings	No. of floors	Floor area	Height in m	No. of staircase	Width of the staircase	Travel distance (m)
	A	B + P + 10	643.60	30.00	2	1.5	21
	B	B + P + 10	693.89	30.00	2	1.5	
	C	B + P + 10	554.07	30.00	2	1.5	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: ---- • No. & dimensions of RWH tank(s) : 3 nos. • No. and depth of percolations wells: 3 nos. • Details on Pre-treatment facilities : Desilting cum filter chamber 					
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 1000 • Area covered by shrubs, bushes and lawn (m²): 1266 • Total Green Area (m²): 2266 • Green Area % of plot area: 21 • No. of trees and species to be planted: 500 in premises and 300 trees will be planted and maintained near the vicinity of site in association with Vapi 					

Nagarpalika		
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	-----
24.	Proposed dust control measures during the construction phase	Dust suppression by spraying of water, peripheral barricading the project site, covering the construction material during transportation and storage, compaction of soil during various construction activities
25.	Eco friendly building material usage details.	Fly ash bricks/fly ash blended concrete blocks, fly ash paving blocks.
26.	Details of basic amenities to be provided to construction workers.	Sanitation facilities, PPEs & welfare facilities as per the Gujarat Building & Other Construction Workers Rules.
27.	Documents related to land possession.	Village form no. 7 as on 04/07/015 submitted by them shows that the N.A land for residential & commercial use in the name of M/s Fortune Royal, a partnership firm through its partner Mr. Mansukh K. Kakariya.

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

1. Strategy for implementation of the Environment Management Plan with financial outlay.

14	Building construction project by Mr. Nirav N. Prajapati.	S.No.470, 469/1, F.P.no.954, T.P.No.204, Sarkhej, Ahmedabad.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SI/GJ/NCP/50228/2016]
2.	Type of Project	Residential & Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Residential & Commercial
5.	Name of Developer	Nirav N. Prajapati
6.	Estimated Project Cost (Rs. In Crores)	60 Crores
7.	Whether construction work has been initiated at site?	No

	If yes, details thereof																									
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 9,711.68 FSI area (m²):26,125.02 Total BUA (m²):47,588.03 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>26,221.26</td> <td>26,125.02</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>NA</td> <td>3,746.05</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>971.15</td> <td>1,006.43</td> </tr> <tr> <td>Max. building height (m)</td> <td>NA</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	26,221.26	26,125.02	Ground Coverage (m ²)	NA	3,746.05	Common Plot Area (m ²)	971.15	1,006.43	Max. building height (m)	NA	45									
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Common Plot Area (m ²)	971.15	1,006.43																								
Max. building height (m)	NA	45																								
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:7 No. of Blocks:7 Scope of buildings/blocks: 3 buildings – 2 level basement + ground floor (shops & parking) + 13 floors. 2 buildings - 2 level basement + ground floor (shops & parking) + 12 floors. 2 buildings - 2 level basement + hollow plinth + 13 floors. No.& size of Residential Units: Total 338 flats. 145 Flats- 2BHK (Size 65.81 m²) , 101 Flats- 2BHK (Size 65.69 m²) , 92 Flats- 3BHK (Size 79.91 m²) No. & type of Commercial Units: 61 shops Details of amenities if any: one society office 																								
10.	No. of expected residents / users	1643 occupants and 200 visitors																								
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 21.75 Source of water: Water tankers Waste water generation quantity (KL/day): 5.73 Mode of disposal: Soak pit. Details of reuse of water, if any: No 																								
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 215.15 Source of water: Water supply from AMC. Waste water generation quantity (KL/day): 171.06 Mode of disposal: Into drainage line of AMC 																								
13.	Status of water supply and drainage line	Available at 600 m from the site																								
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>2,050</td> <td>2,050</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>38,950</td> <td>18,860 m³ will be used for back filling and raising plinth level.</td> <td>Balance earth will be used at other projects as per requirement.</td> </tr> <tr> <td>Construction debris</td> <td>450</td> <td>280 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to local authority or fill in low laying areas</td> </tr> <tr> <td>Steel scrap</td> <td>15</td> <td>0</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded</td> <td>8</td> <td>0</td> <td>Sold to vendors</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	2,050	2,050	Development of landscape area	Other excavated earth	38,950	18,860 m ³ will be used for back filling and raising plinth level.	Balance earth will be used at other projects as per requirement.	Construction debris	450	280 m ³ will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying areas	Steel scrap	15	0	Sold to vendors	Discarded	8	0	Sold to vendors
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Wet waste	586.2	Green Bins	Municipal bins														
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 6,003.88 m² • Parking area requirement for residential units as per GDCR: 4,705.75 m² • Parking area requirement for Commercial units as per GDCR: 1,298.13 m² • Total number of CPS requirement for the project as per NBC :246 • Number of CPS requirement for residential units as per NBC: 194 • Number of CPS requirement for commercial units as per NBC:52 • Total Parking area provided (m²) & No. of CPS: 14,109.05 & 458 CPS • Parking area provided in basement (m²) & No. of CPS:11,680.07 & 365 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:1,528.98 & 54 CPS • Parking area provided as open surface (m²) & No. of CPS: 900 & 39 CPS. 															
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: Two 30 m wide road • Number of Entry & Exit provided on approach road/s: 4 gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4 m • Width of all internal roads: 7.5 m & 6 m. 															
17.	Details of Green Building measures proposed.	<p>Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 10 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 3 nos. of percolating wells etc.</p>															
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 2750 KVA Connected load: 2500 KVA Source: UGVCL • % of saving with calculations: ~40% by use of LED & solar lights and star rated energy efficient electronic consumer durables • Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area • DG Sets: No. and capacity of the DG sets:1 x 40 KVA Fuel & its quantity: HSD, 10 litre/hr 															
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. 															

		<ul style="list-style-type: none"> • During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, automatic sprinkler system in basement, underground static water storage tank-200 KL capacity, terrace tank -70 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc. 																																				
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F, G	HP + 13	333.82	1	2.0	17																																	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 40 m • No. & dimensions of RWH tank(s) : 3 Nos and 2.5 m X 2 m X 3 m • No. and depth of percolations wells : 3 nos and 35 m • Details on Pre-treatment facilities : oil and grease removal and filter. 																																				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :450 • Area covered by shrubs and bushes (m²):200 • Lawn covered area (m²):356.43 • Total Green Area (m²):1006.43 • Green Area % of plot area: 10% • No. of trees and species to be planted: 146 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, Desi Badam and Gulmohar. 																																				
23.	Dust control measures	Spraying of water, Peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc.																																				
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs.15.0 lacs & Rs.10 lacs as capital cost & recurring cost respectively has been made for EMP & EMS.																																				
25.	Details of ecofriendly building materials	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc.																																				
26.	Details of amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, PPEs, first aid room with first aid kit & welfare facilities as per the Gujarat Building & Other Construction Workers Rules.																																				
27.	Documents related to land possession	Village form no. 7 & 12 submitted by them shows that the land of both the survey numbers is in the name of applicant & others. Copy of application made for obtaining N.A permission has been submitted & Mamlatdaar – Dascroi recommended / opined positively for N.A permission of the land has also been submitted.																																				

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

1. Full size conceptual project plans showing building wise & floor wise built up area, FSI area, floor area

tables & plot area statement of the proposed project.

2. Status of availability of water supply & drainage connection to the proposed project with supporting documents.

15	Ambika Solitaire	B.No.125, T.P.S.No.27[Utran-Kosad], F.P. No. 27, O.P.No.27, At:Utran, Dist:Surat	Screening & scoping / appraisal
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/50232/2016]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Ambika Solitaire															
5.	Name of Developer	Bhavani Builders															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 80.0 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	--															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 9,864.0 FSI area (m²): 39,306.89 Total BUA (m²) : 66,597.43 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>39,308.04</td> <td>39,306.89</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>2,781.43</td> <td>2,759.31</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>986.40</td> <td>987.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>69.97</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	39,308.04	39,306.89	Ground Coverage (m ²)	2,781.43	2,759.31	Common Plot Area (m ²)	986.40	987.0	Max. building height (m)	--	69.97
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Common Plot Area (m ²)	986.40	987.0															
Max. building height (m)	--	69.97															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 07 Nos. No. of Blocks: 07 Scope of buildings/blocks: Basement + hollow plinth + 1st floor parking + 2nd to 18th floors. No. & size of Residential Units: 238 Flats of 3 & 4 BHK No. & type of Commercial Units: -- Details of amenities if any: -- 															
10.	No. of expected residents / users	Expected residents: 1190 Expected visitors: 400															
11.	Water & waste water details during construction	<ul style="list-style-type: none"> Water requirement (KL/day): 15.35 Source of water: Bore well water. Waste water generation quantity (KL/day): 2.88 Mode of disposal: Into septic tank & soak pit. 															

	phase	<ul style="list-style-type: none"> Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment. 																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total Water requirement (KL/day): 174.0 Fresh water requirement (KL/day): 131.0 Source of water: Water supply from S.M.C Waste water generation quantity (KL/day): 133.50 Mode of disposal: Sewage to be generated will be segregated into the grey & black sewage. Grey sewage will be treated in the proposed onsite STP for grey sewage. Treated grey sewage will be reused for gardening & flushing purpose within premises and only remaining quantity of treated grey sewage along with untreated black sewage will be discharged into the underground drainage line of SMC. In case of STP provision, capacity of STP: Yes (Grey water treatment plant – 100 KL/day) STP Technology: Grey Water Treatment Plant Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing Quantity of treated water to be reused: 1. Gardening (KL/day): 4.0 2. Flushing (KL/day): 39.0 Provision of dual plumbing system (Yes/No): Yes Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will be segregated into the grey & black sewage. Grey sewage will be treated in the proposed onsite STP for grey sewage. Treated grey sewage will be reused for gardening & flushing purpose within premises and only remaining quantity of treated grey sewage along with untreated black sewage will be discharged into the underground drainage line of SMC. Mode of disposal: As above. 																																
13.	Status of water supply and drainage line	Applied for connection of water supply and drainage connection in S.M.C. and the facilities 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 (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>493.50</td> <td>493.50</td> <td>Reuse for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>33,032.46</td> <td>913.50 m³ will be reused for back filling.</td> <td>Disposal to other project site in consultation with SMC</td> </tr> <tr> <td>Construction debris</td> <td>699</td> <td>333 m³ will be reused as a filler up to plinth level.</td> <td>Remaining quantity will be reused for outer road development</td> </tr> <tr> <td>Steel scrap</td> <td>27</td> <td>--</td> <td>Sold to local scrap vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>17</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>428.40</td> <td>Blue colour bucket</td> <td>Through door to door waste collection system of SMC</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	493.50	493.50	Reuse for developing garden area	Other excavated earth	33,032.46	913.50 m ³ will be reused for back filling.	Disposal to other project site in consultation with SMC	Construction debris	699	333 m ³ will be reused as a filler up to plinth level.	Remaining quantity will be reused for outer road development	Steel scrap	27	--	Sold to local scrap vendors	Discarded packing materials	17	--	Sold to local vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	428.40	Blue colour bucket	Through door to door waste collection system of SMC
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Dry waste	428.40	Blue colour bucket	Through door to door waste collection system of SMC																															

		Wet waste	285.60	Green colour bucket	Through door to door waste collection system of SMC
		STP Sludge / GWTP Sludge	15.00	On SDB	Reused in gardening as manure within project premises
		<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste. • Capacity and no. of community bins to be placed within premises: 1.0 m3 in each building • Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill site of SMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 5,896.03 m² • Parking area requirement for residential units as per GDCR: 5,896.03 m² • Total number of CPS requirement for the project as per NBC : 238 • Number of CPS requirement for residential units as per NBC: 238 • Total Parking area provided (m²) & No. of ECS: 16,979.50 m² & 564 ECS • Parking area provided in basement (m²) & No. of ECS: 7,774.50 m² & 242 ECS • Parking area provided in hollow plinth (m²) & No. of ECS: 2,434.00 m² & 87 ECS • Parking area provided as open surface (m²) & No. of ECS: 1,853.50 m² & 81 ECS • Parking area provided as 1st floor (m²) & No. of ECS: 4,917.50 m² & 154 ECS 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m wide road in N Direction • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.50 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: 7.50 m 			
17.	Details of Green Building measures proposed.	Use of fly ash based material, flush tank instead of direct flushing in toilets, foam type aerated coke, rain water harvesting, use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light etc.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply Maximum demand: 1500 KVA Source: D.G.V.C.L • Energy saving measures: Use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light, solar water heaters on terrace of each building etc. • DG Sets No. and capacity of the DG sets: 1 x 125 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity – 55 L/h in each. 			
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system (basement), manually operated electric fire alarm system, automatic detection & alarm system, underground fire water storage tank (100 KL), terrace tank of 25 KL for each building, provision of pump: one electric & one diesel pump of capacity 1620 L/min. & one electric pump of capacity 180 L/min. having pressure 3.5 kg/cm ² at terrace level etc.			

20.	Details on staircase							
	Bldg. No.	Floor No.	Floor Area (m ²)	No. of Staircase	Width of Staircase (m)	No. of Passenger Lift	No. of Fire Lift	Maximum Travel Distance up to the Staircase (< 30 m)
	A1 – A5	G(H.P)+18	345.75	02	2.0	01	01	12.49
	B1 & B2	G(H.P)+18	291.71	02	2.0	01	01	11.80
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: about 20 m • No. & 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. • No. and depth of percolations wells: 05 nos. of percolating wells • Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen 						
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 395.0 • Area covered by shrubs and bushes (m²): -- • Lawn covered area (m²): 596.0 • Total Green Area (m²): 991.0 • Green Area % of plot area: 10.00 % • No. of trees and species to be planted: 66 trees of Gulmohar, Neem tree, Coconut palm, Asopalav, Champa etc. 						
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 40.55 lacs and recurring cost of Rs. 5.95 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management, sewage treatment & reuse etc.						
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.						
25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.						
26.	Details on amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.						
27.	Documents related to land possession.	N.A order for residential & commercial use is in the name of applicant.						

During the meeting, it was presented that they will install solar panels on terrace floor of the buildings. After detailed discussion it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from Urban Development & Urban Housing Department, Gandhinagar for the proposed FSI.
2. A certificate from the approved fire consultant regarding the fire fighting installations in the proposed high rise buildings.
3. Details on solar panels to be installed including their number & capacity, type, location & available space

etc. Details on how much of the total energy requirement of the project can be compensated through the proposed energy conservation measures.

4. Copy of partnership deed of M/s Bhavani Developers.
5. Copy of permission obtained from Airports Authority of India for the proposed building height.

16	Antica Green woods	R.S.No.57,72,73,76,81,83 – 88,91,92,94,41/A, 39,35,22/2,21,665/P/1, Village: Ankodia, Vadodara.	Screening & scoping.
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The project was earlier taken up in the meeting of SEAC held on 27/01/2016. During the meeting held on 27/01/2016, 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 m² 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 m² i.e 35,845.0 m².

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 m² 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.

Project proponent submitted above mentioned details vide their letter dated 04/03/2016.

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

Project plans passed for built up area of 19,391.99 m² on land area of 68,259.0 m², in the year 2012 were submitted. It was presented that project planning was started in 2011. The Town Planning could not be finalized in 2012 due to stay on the T.P. area by honorable High Court of Gujarat and hence the project boundary was also not final in 2012. So they have planned for the project with built up area of 19,391.99 m², got the plans approved in June 2012 and started construction activity based on the plans approved. Afterwards, when a stay which was on the T.P. scheme of the area was vacated through honorable High Court of Gujarat vide order dated 17/09/2014, the boundary of the project could be finalized through allocation of some of their F.P.numbers adjacent to their project site and by purchasing some new land portions. Now as per the availability of additional land area from 68,259.0 m² to 1,08,726.0 m², they now proposing the expansion of the project from built up area of 19,391.99 m² to 54,056.6 m².

The project will comprise of 89 residential units i.e bungalows. Water requirement during the operation phase as well as during the construction phase will be obtained through borewell water. It is proposed to provide STP for treatment of sewage to be generated during the operation phase of the project. Treated sewage will be used for washing, flushing & horticulture development. Parking area for 347 cars will be provided.

Municipal solid waste – about 359 kg/day to be generated will be segregated in biodegradable & non-biodegradable waste. Biodegradable waste will be composted at the site and will be used as manure. Non-biodegradable waste will be collected and will be disposed at the sanitary landfill site of VMSS. One D.G.set of 100 KVA to be installed will be used in case of power failure. Traffic study carried out on Ankodia road in both the directions, which shows that the Level of Service of the road will be same as “B” i.e very good in the existing & the proposed scenarios. Energy conservation measures like maximum use of natural ventilation & lighting, solar water heaters for all the bungalows, timer based street lights, 5 rated electrical appliances, reflective coating on roof, optimal use of shading etc. will be implemented. It was presented that from the total 97 existing trees, 27 trees will be cut.

During the meeting, the project proponent was suggested to carry out massive tree plantation within premises. They were asked to stop construction activity at the project site and to continue with the same only after obtaining Environmental Clearance from SEIAA Gujarat. After detailed discussion, it was decided to appraise the project further only after satisfactory submission of the following:

1. Notarized undertaking stating that the construction activity is completely stopped at the project site which will be restated only after obtaining Environmental Clearance from SEIAA Gujarat.
2. Photographs showing the current status of the project site.
3. Copy of order dated 17/09/2014y honorable High Court of Gujarat vacating stay order on the T.P.Scheme of the area.
4. Exact source of water supply during the operation phase of the project and permission from the concerned authority for water supply.
5. Explore possibilities to get surface water supply instead of depending upon the ground water to meet with the project water requirements.
6. In case of ground water withdrawal for the proposed project, detailed study on geo-hydrology of the area. 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.
7. In case of ground water withdrawal, 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 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.
8. 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. STP sludge management plan. Design drawing of dual plumbing system.
9. Complete treated sewage management plan including, activity wise break up of its reuse / recycle, mode of disposal, feasibility of using treated sewage for horticulture development considering the soil quality, management plan for treated sewage during monsoon season etc.
10. Details on parking area to provided for the proposed project including the details of plot size of individual type of bungalow, ground coverage, open area, gardening area & parking area available within premises of individual bungalow along with the parking plan showing parking area designated at other places within

the project boundary including visitors parking.

11. Permission from the concerned authority for cutting the trees.
12. 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.
13. 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.

17	Ambika Textile Hub	B.No:121+122, O.P.No.:08, F.P.No: 08, T.P.S. No.:35(Kumbharia–Saroli–SaniaHemad–Devadh), At–Devadh, Ta: Choryasi, Dist: Surat.	EC amendment & expansion.
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The SEIAA, Gujarat has accorded environmental clearance to M/s A.R.Sangani for residential & commercial building construction project – “Ambika Residency” at Block No:121+122/SubPlot No:1, Vill:Devadh, Ta: Choryasi, Dist:Surat vide order no. SEIAA/GUJ/EC/8(a)/95/2013 dated 10/05/2013 for the built up area of 45,502.24 m² comprising of 8 buildings (Commercial buildings-3 nos., Residential buildings-05 nos.) housing total 260 flats, 181 shops and 141 offices.

The project proponent, vide proposal no. SIA/GJ/NCP/50251/2016 dated 23/02/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 10/0/5/2013.

The request for amendment for the proposed changes in terms of proposed expansion, change in scope (from the mixed type of project with residential & commercial units to completely commercial) and transfer of EC was considered during the meeting. Details of the project after the proposed changes, as presented before the committee, are tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/50251/2016]
2.	Type of Project	Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Ambika Textile Hub
5.	Name of Developer	M/s. Bhavani Construction
6.	Estimated Project Cost (Rs. In Crores)	Rs. 130 Crore
7.	Whether construction work has been initiated at site? If yes, details thereof	No

8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 17,349.0 FSI area (m²): 68,163.53 Total BUA (m²) : 1,08,211.70 <table border="1" data-bbox="469 280 1533 454"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>69,396.0</td> <td>68,163.53</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>8,674.50</td> <td>8,426.98</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,734.90</td> <td>1,735.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>43.31</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	69,396.0	68,163.53	Ground Coverage (m ²)	8,674.50	8,426.98	Common Plot Area (m ²)	1,734.90	1,735.0	Max. building height (m)	--	43.31
	Permissible	Proposed															
FSI Area (m ²)	69,396.0	68,163.53															
Ground Coverage (m ²)	8,674.50	8,426.98															
Common Plot Area (m ²)	1,734.90	1,735.0															
Max. building height (m)	--	43.31															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 1 No. of Blocks: 1 Scope of buildings/blocks: 2 level basement + ground floor + 8 floors. No. & size of Residential Units: -- No. & type of Commercial Units: 891 Textile Houses Details of amenities if any: -- 															
10.	No. of expected residents / users	<p>Expected shop users: 3528 Expected visitors: 1500</p>															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 14.50 Source of water: Borewell water Waste water generation quantity (KL/day): 2.16 Mode of disposal: Soak pit Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total Water requirement (KL/day): 230.5 Fresh water requirement (KL/day): 133.5 Source of water: Water supply from S.M.C Waste water generation quantity (KL/day): 180.40 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening & flushing purpose within premises and only remaining quantity of treated sewage will be discharged into the underground drainage line of SMC. In case of STP provision, capacity of STP: 200 KL/day STP Technology: Ozonization Treatment Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing Quantity of treated water to be reused: 1. Gardening (KL/day): 7.0 2. Flushing (KL/day): 90.0 Provision of dual plumbing system (Yes/No): Yes 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 gardening & flushing purpose within premises and only remaining quantity of treated sewage will be discharged into the underground drainage line of SMC. Mode of disposal: As above. 															
13.	Status of water supply and drainage line	Applied for connection of water supply and drainage connection in S.M.C. and the facilities 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" data-bbox="469 1921 1485 2054"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>867.0</td> <td>867.0</td> <td>Reuse for developing garden area</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	867.0	867.0	Reuse for developing garden area							
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse														
Top Soil	867.0	867.0	Reuse for developing garden area														

		Other excavated earth	1,26,428.12	1,958.86 m ³ will be reused for back filling.	Disposal to other project site in consultation with SMC
		Construction debris	1136	541 m ³ will be reused as a filler up to plinth level.	Remaining quantity will be reused for outer road development
		Steel scrap	43	--	Sold to local scrap vendors
		Discarded packing materials	27	--	Sold to local vendors
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	427.00	Blue colour bucket	Through door to door waste collection system of SMC
		Wet waste	285.00	Green colour bucket	Through door to door waste collection system of SMC
		STP Sludge	20	On SDB	Reused in gardening as manure within project premises
		<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste. • Capacity and no. of community bins to be placed within premises: 2.0 m³ for the building • Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill Site of S.M.C 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 20,449.05 m² • Parking area requirement for Commercial units as per GDCR: 20,449.05 • Total number of CPS requirement for the project as per NBC : 273 • Number of CPS requirement for commercial units as per NBC: 273 • Total Parking area provided (m²) & No. of ECS: 45,624.5 m² & 1449 ECS • Parking area provided in basement & mechanical parking in basement (m²) & No. of ECS: 43,849.0 m² & 1372 ECS • Parking area provided as open surface (m²) & No. of ECS: 1775.50 m² & 77 ECS 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 45.0 m wide road in S direction & 30.00 m wide road in W direction • Number of Entry & Exit provided on approach road/s: 5 gates proposed. • Width of Entry & Exit provided on approach road/s: 7 m & 6 m. • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: 7.5 m, 7 m & 6 m. 			
17.	Details of Green Building measures	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,			

	proposed.	maximum use of natural light, provision of sewage treatment plant & reuse of treated sewage etc.												
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply Maximum demand: 5000 KVA Connected load: Source: DGVCL 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. DG Sets No. and capacity of the DG sets: 2 x 125 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity 55 L/h in each 												
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system (in passages of all floors & basements), manually operated electric fire alarm system, automatic detection & alarm system, underground fire water storage tank (150 KL x 4 nos), terrace tanks of 15 KL x 4 nos., provision of pump: one electric & one diesel pump of capacity 1620 L/min. & one electric pump of capacity 180 L/min. having pressure 3.5 kg/cm ² at terrace level etc.												
20.	Details on staircase													
		<table border="1"> <thead> <tr> <th>No. of Floor</th> <th>Floor Area (m²)</th> <th>No. of staircase</th> <th>Width of Staircase (m)</th> <th>No. of Fire Lift</th> <th>Maximum Travel Distance up to the Staircase < 30 m</th> </tr> </thead> <tbody> <tr> <td>G(H.P)+08</td> <td>8656.54</td> <td>08</td> <td>2.00</td> <td>08</td> <td>28.02</td> </tr> </tbody> </table>	No. of Floor	Floor Area (m ²)	No. of staircase	Width of Staircase (m)	No. of Fire Lift	Maximum Travel Distance up to the Staircase < 30 m	G(H.P)+08	8656.54	08	2.00	08	28.02
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G(H.P)+08	8656.54	08	2.00	08	28.02									
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: --- No. & dimensions of RWH tank(s) : 07 no. of RWH tanks; size: 4m x 3m x 3m Size of Bore: 350 mm dia. Size of pipe: 150 mm dia. No. and depth of percolations wells: 07 nos. of percolating wells de Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen 												
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) : 495.00 Area covered by shrubs and bushes (m²): -- Lawn covered area (m²): 1239.00 Total Green Area (m²): 1734.00 Green Area % of plot area: 10.00 % No. of trees and species to be planted: 83 trees of Gulmohar, Neem tree, Coconut palm, Asopalav, Champa etc. 												
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 86.75 lacs and recurring cost of Rs. 6.35 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management, sewage treatment & reuse etc.												
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.												

25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.
26.	Details on amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession.	N.A order submitted by them shows that the land for residential & commercial use is in the name of applicant.

They have submitted a 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. It was presented that flame proof electrical fittings will be provided & details of the same were also presented. It was presented that traffic survey was carried out on a 60 m wide Surat – Kadodara road which shows that the Level of Service will change from “A” Excellent in existing scenario to “B” Very Good in the proposed scenario.

1. Details of mechanical parking to be provided (also including its operation, maintenance, energy consumption, appointing trained personnel's etc.) in the basement along with the feasibility of providing mechanical parking considering the basement height.
2. Copy of partnership deed of M/s Bhavani developers.
3. Copy of permission obtained from Airports Authority of India for the proposed building height.
4. Copy of permission obtained from Urban Development & Urban Housing Department, Gandhinagar for the proposed FSI.
5. Details on common amenities like drinking water facility, sanitary blocks, first aid etc. to be provided on each floor.
6. Detailed plan for loading / unloading of goods, movement plan, space designated for it, parking area designated for trucks/tempo etc.

18	EWS Housing project by Ahmedabad Municipal Corporation.	F.P.No.17+18+20, T.P.S.No.18, Sarangpur, Dist: Ahmedabad	EC amendment case
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The SEIAA, Gujarat has accorded environmental clearance to Ahmedabad Municipal Corporation for the residential cum commercial building construction project at F.P.No.17+18+20, T.P.S.No.18, Sarangpur, Dist: Ahmedabad vide order no. SEIAA/GUJ/EC/8(a)/113/2014 dated 04/08/2014 for the built up area of 32,022.24 m² comprising of 3 building blocks housing 350 residential units of 1 BHK & 15 shops.

The project proponent vide their proposal no. SIA/GJ/NCP/10500/2016 dated 08/03/2016 along with revised Form-I & Form-IA requested for amendment of Environmental Clearance order dated 04/08/2014.

The request of the amendment in the Environmental Clearance order dated 04/08/2014 was considered during the meeting.

Project proponent along with their expert consultant attended the meeting and presented that built up area of the project will increase from 32,022.24 m² to 32,712.98 m² i.e the effective increase of only 690.74 m². All the remaining objects like number of residential units, commercial units, number of floor, plot area, parking requirement & provision will remain unchanged even after the proposed increase in the built up area. While

asking by the committee it was clarified that they have widened the columns in order to increase the structural strength of the columns & buildings which resulted in increase of the built up area of the project. In view of the fact that the proposed changes in the project will not have any kind of adverse environmental impacts, it was decided to recommend the project to SEIAA Gujarat for grant of amendment of the environmental clearance order dated 04/08/2014.

19	SIM Estate	F.P.No.196, T.P.S.No.16, Village: Shaherkotda, Ta: Maninagar, Dist: Ahmedabad	Screening & scoping.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/50464/2016]															
2.	Type of Project	Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Sim Estate															
5.	Name of Developer	M/s. Shree Industrial Mills Estate															
6.	Estimated Project Cost (Rs. In Crores)	50 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²) :- 43,959 FSI area (m²): 79,124.96 Total BUA (m²): 1,31,250.43 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>79,126.20</td> <td>79,124.96</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>--</td> <td>21,953.56</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>4,395.90</td> <td>4,396.83</td> </tr> <tr> <td>Max. building height (m)</td> <td>40</td> <td>17.9</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	79,126.20	79,124.96	Ground Coverage (m ²)	--	21,953.56	Common Plot Area (m ²)	4,395.90	4,396.83	Max. building height (m)	40	17.9
	Permissible	Proposed															
FSI Area (m ²)	79,126.20	79,124.96															
Ground Coverage (m ²)	--	21,953.56															
Common Plot Area (m ²)	4,395.90	4,396.83															
Max. building height (m)	40	17.9															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:10 No. of Blocks: 10 Scope of buildings/blocks: 9 buildings - Basement + ground floor + 4 floors. 1 building - Basement + ground floor + 3 floors. No. & size of Residential Units: -- No. & type of Commercial Units: 1,670 nos. of shops & offices Details of amenities if any: None 															
10.	No. of expected residents / users	5,820 Persons/Day															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 20.0 Source of water: Local water tanker suppliers Waste water generation quantity (KL/day): 4.0 Mode of disposal: AMC drainage system Details of reuse of water, if any: None 															

12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Total water requirement (KL/day): 306.0 (on 1st day) • Fresh water requirement (KL/day): 204.0 • Source of water: water supply through AMC. • Waste water generation quantity (KL/day): 233.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening & flushing purposes within premises and remaining quantity of treated sewage will be discharged into the drainage line to be provided by AMC. • In case of STP provision, capacity of STP: 250 KL/day • Purposes for treated water utilization: Flushing & Gardening • Quantity of treated water to be reused: 1. Gardening (KL/day): 15.0 2. Flushing (KL/day): 87.0 • Provision of dual plumbing system (Yes/No): Yes • 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 gardening & flushing purposes within premises and remaining quantity of treated sewage will be discharged into the drainage line to be provided by AMC. • Mode of disposal: as above. 																								
13.	Status of water supply and drainage line	Water supply and drainage line are already exist at the project site.																								
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="544 1160 1449 2049"> <thead> <tr> <th data-bbox="544 1160 756 1279"></th> <th data-bbox="756 1160 954 1279">Generation (m³)</th> <th data-bbox="954 1160 1155 1279">Quantity to be reused (m³)</th> <th data-bbox="1155 1160 1449 1279">Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 1279 756 1361">Top Soil</td> <td data-bbox="756 1279 954 1361">31,320</td> <td data-bbox="954 1279 1155 1361">31,320</td> <td data-bbox="1155 1279 1449 1361">Development of greenbelt</td> </tr> <tr> <td data-bbox="544 1361 756 1727">Other excavated earth</td> <td data-bbox="756 1361 954 1727">1,25,280</td> <td data-bbox="954 1361 1155 1727">1,25,280</td> <td data-bbox="1155 1361 1449 1727">Leveling low lying areas & development of green belt area, excess quantity of excavated earth will be used at other project sites as per need.</td> </tr> <tr> <td data-bbox="544 1727 756 1890">Construction debris</td> <td data-bbox="756 1727 954 1890">2,000</td> <td data-bbox="954 1727 1155 1890">2,000</td> <td data-bbox="1155 1727 1449 1890">Leveling, roads, pavements, plot filling, plinth filling etc.</td> </tr> <tr> <td data-bbox="544 1890 756 1973">Steel scrap</td> <td data-bbox="756 1890 954 1973">5 MT</td> <td data-bbox="954 1890 1155 1973">--</td> <td data-bbox="1155 1890 1449 1973">To be sold to scarp dealer</td> </tr> <tr> <td data-bbox="544 1973 756 2049">Discarded packing</td> <td data-bbox="756 1973 954 2049">50,000 Bags</td> <td data-bbox="954 1973 1155 2049">--</td> <td data-bbox="1155 1973 1449 2049">To be sold to authorized vendor.</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	31,320	31,320	Development of greenbelt	Other excavated earth	1,25,280	1,25,280	Leveling low lying areas & development of green belt area, excess quantity of excavated earth will be used at other project sites as per need.	Construction debris	2,000	2,000	Leveling, roads, pavements, plot filling, plinth filling etc.	Steel scrap	5 MT	--	To be sold to scarp dealer	Discarded packing	50,000 Bags	--	To be sold to authorized vendor.
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Other excavated earth	1,25,280	1,25,280	Leveling low lying areas & development of green belt area, excess quantity of excavated earth will be used at other project sites as per need.																							
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Steel scrap	5 MT	--	To be sold to scarp dealer																							
Discarded packing	50,000 Bags	--	To be sold to authorized vendor.																							

		materials			
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal/ Reuse
		Dry waste	1,455	Into bins to be provided to each unit. These bins will be emptied into the community bins to be provided at common areas.	The community bins within premises will be regularly emptied by AMC.
		Wet waste			
		STP Sludge	70	HDPE Bags	Used as Manure
		<ul style="list-style-type: none"> Capacity and no. of community bins to be placed within premises: 146 nos. of bins of 80 Liter capacity Landfill site where waste will be ultimately disposed by local authority: At the nearest MSW dumping / landfill site of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 27,694.17 m² Parking area requirement for Commercial units as per GDCR: 27,694.17 m² Total number of CPS requirement for the project as per NBC : 1,219 CPS Number of CPS requirement for commercial units as per NBC: 1,219 CPS Total Parking area provided (m²) & No. of ECS: 42,286.56 m² & 1,413 CPS Parking area provided in basement (m²) & No. of ECS: 34,754.73 m² & 1,086 CPS Parking area provided as open surface (m²) & No. of ECS: 7,531.8 m² & 327 CPS 			
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads: 24 m, 18 m & 12 m Number of Entry & Exit provided on approach road/s: Total 5 gates will be provided. Width of Entry & Exit provided on approach road/s: 9 m (4 nos.) & 6 m (1 no.). Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4 m Width of all internal roads: 9 m & 6 m Four (4) nos. of 6 m wide in - out ramps will be provided for 			

		basement.
17.	Details of Green Building measures proposed.	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash, PVC electrical boards, aluminium window frame & marble door frame instead of wood, rain water harvesting by recharging the ground water table through 11 percolation wells, maximize the use of light colours in the building envelope - to reduce heat absorption and associated cooling requirements, solar lights in common sunlit areas, maximum use of LED lights etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 5 MW during Operation Phase Connected load: 5 MW Source: Torrent Power Ltd. • Energy saving by Non-conventional Methods: Maximum use of LED lights • Energy saving measures: Use of solar lighting in common sunlit areas, maximum use of LED lights in each block, use of variable frequency drives motors to optimize power consumption, maximum use of natural daylight as well as ventilation through proper orientation of the buildings, 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 etc. • DG Sets: No. and capacity of the DG sets: No provision Fuel & its quantity: Not applicable
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the operation phase: Fire extinguishers, one CO2 type extinguisher of 4.5 kg and one DCP type extinguisher of 5 kg will be provided on each floor. Fire hydrant system, hose reels, wet risers, 3 nos. of underground water storage tanks having total 400 KL capacity, manually operated electric fire alarm system on each floor with sounders capable of being heard all throughout the building etc. • Nearest fire station located at Panchkuva is at a distance of approximately 2 km. Time required for the fire tender to reach at the project site is 10 - 15 minutes. • During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practices, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper

		wiring, all electrical fittings / equipments used will meet the relevant IS standards etc.				
20.	Details on staircase:					
	Block	No. of Floors	Floor area of each floor (m ²)	No. of staircase	Width(m)	No. of Lifts
	A	G+4	498.47	1	1.60 m	2
	B	G+4	871.86	2	1.60 m	4
	C	G+3	1,208.82	2	1.60 m	4
	D	G+4	1,497.56	4	1.60 m	4
	E	G+4	1,032	4	1.60 m	4
	F	G+4	624.16	2	1.60 m	2
	G	G+4	1,235.74	4	1.60 m	4
	H	G+4	1,010.40	4	1.60 m	4
	I	G+4	938.89	1	1.60 m	1
	J	G+4	1,395.45	4	1.60 m	4
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: -- • No. & dimensions of RWH tank(s) : --- • No. and depth of percolations wells : 11 Nos. & 37 m • Details on Pre-treatment facilities : Screen pit before the percolation well 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 2,797 • Area covered by shrubs and bushes (m²): 140 • Lawn covered area (m²): 560 • Total Green Area (m²): 3,497 • Green area % of plot area: 8 % • No. of trees and species to be planted: 400 nos. of local flora species i.e. Gulmohar, Asopalav, Neem etc. will be preferred 				
23.	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.				
24.	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.				
25.	Facilities to be provided to the construction workers	Sanitation facilities, drinking water, municipal solid waste collection facility etc.				
26.	Documents related to land possession.	Copy of Rule cards & statement from Town Planning Scheme shows the ownership of M/s Shree Industrial Mills Estate.				

During the meeting, it was found that the traffic survey carried out on all the three approach roads shows that the overall Level of Service of the existing road network will be 'D' (fair) for one road & 'E' (poor) for two roads in proposed scenario. The project proponent clarified that all the three roads will be widened as per the new planning of AMC. The project proponent was asked to submit revised traffic survey details taking into consideration the proposed widening of the roads. It was presented that existing structure will be demolished for construction of the proposed commercial buildings. They were suggested to increase the parking area provision by providing 2nd level basement. It was presented that Mechanical extractors for smoke venting permitting 10 air changes per hour in case of a fire or distress call, ventilator openings each having a size of 0.5 m X 0.5 m, use of light colors to paint the basement wall to allow higher illumination etc. will be provided for ventilation as well as natural skylight arrangement in the basement. CO sensor with an associated alarm system will be provided in the basement parking area. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Demolition debris management, reuse & disposal plan.
2. Details of the D.G. sets, if to be provided, including fuel, quantity, stack height, location as well as the acoustic measures proposed to abate noise pollution
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.
4. Explore the possibility of increasing the parking area provision for the project by providing 2nd level basement. Revised details on parking area provision based on the actual parking area requirement for the project as per NBC norms & existing GDCR and proposed 2nd level basement with back up calculation showing the norms adopted for the same and parking plans.
5. Revised project plans showing provision of second level basement and revised built up area of the project.
6. Type of activities to be carried out in the commercial units of the proposed project. Undertaking stating that no any kind of manufacturing activity shall be allowed in the commercial units of the proposed project and any commercial unit shall not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.
7. Details on travel distance of the nearest staircase from the respective farthest corner of the floor as well as between the two staircases in the proposed commercial buildings.
8. Revised details on traffic survey considering the proposed widening of all the three approach main roads.
9. Land possession documents showing the ownership of land by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site for commercial use or a copy of documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).

20	Sankalp In	Survey No: 722+799 , F.P.No:67+82, T.P.S. No. 216, Shilaj, Ahmedabad.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project
2.	Type of Project	Hotel & Commercial project.
3.	Project / Activity No. [8(a) or 8(b)]	8 (b)
4.	Name of the	Sankalp In

	project																
5.	Name of Developer	Sankalp Recreation Pvt. Ltd.															
6.	Estimated Project Cost (Rs. In Crores)	Rs.70 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 7935.00 m² FSI area (m²): 21910.84 m² Total BUA (m²): 36929.55 m² <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area</td> <td>23805 m²</td> <td>21910.84 m²</td> </tr> <tr> <td>Ground Coverage</td> <td>---</td> <td>2755.70 m²</td> </tr> <tr> <td>Common Plot Area</td> <td>793.50 m²</td> <td>1207.65 m²</td> </tr> <tr> <td>Max. building height</td> <td>45.0 m</td> <td>45.0 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area	23805 m ²	21910.84 m ²	Ground Coverage	---	2755.70 m ²	Common Plot Area	793.50 m ²	1207.65 m ²	Max. building height	45.0 m	45.0 m
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Ground Coverage	---	2755.70 m ²															
Common Plot Area	793.50 m ²	1207.65 m ²															
Max. building height	45.0 m	45.0 m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 1 No. of Blocks: 2 Scope of buildings/blocks: Commercial building - 2 level basement + ground floor + 1st to 3rd floors + service floor + 4th to 12th floors. Hotel building – 2 level basement + ground floor + 9 floors. No. & size of Residential Units: N.A. No. & type of Commercial Units: 1 – Banquette Hall (1000 cap.) 1 - Restaurant cum coffee shop, 28 – Offices, 162 – Hotel rooms 															
10.	No. of expected residents / users	300 fixed + 600 variables															
11.	Water & waste water details during construction phase	<p>Water requirement (KL/day): 19.6</p> <p>Source of water: Water supply from AUDA.</p> <p>Waste water generation quantity (KL/day): 3.2</p> <p>Mode of disposal: Into septic tank and soak pit</p> <p>Details of reuse of water, if any: ----</p>															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total water requirement (KL/day): 269.0 Fresh water requirement (KL/day): 105.0 Source of water: Water supply from Ahmedabad Urban Development Authority (AUDA) Waste water generation quantity (KL/day):164.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP and treated sewage will be completely reused for flushing purpose within premises. Only R.O reject 20 KL/day will be discharged into the drainage line of AUDA. In case of STP provision, capacity of STP: Yes, 200 KL/day STP Technology: MBR technology. Purposes for treated water utilization: Flushing Quantity of treated water to be reused: 1.Flushing (KL/day):140.0 Provision of dual plumbing system (Yes/No): Yes Quantity and type (treated/untreated)of water to be discharged: Sewage to be generated will be treated in the proposed onsite STP and treated sewage will be completely reused for flushing purpose within premises. Only R.O reject 20 KL/day will be discharged into the drainage line of AUDA. <p>Mode of disposal: As above</p>															

13.	Status of water supply and drainage line	Water supply & drainage connection of AUDA will be available during the operation phase of the project.																																						
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="411 297 1425 745"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>600</td> <td>600</td> <td>Reuse for greenbelt development.</td> </tr> <tr> <td>Other excavated earth</td> <td>12,400</td> <td>12,400</td> <td>Reuse for leveling low lying areas & plinth filling.</td> </tr> <tr> <td>Construction debris</td> <td>200 m³</td> <td>50 m³</td> <td>Plinth filling & pavement sub base.</td> </tr> <tr> <td>Steel scrap</td> <td>8 m³</td> <td>----</td> <td>Sale to scrap dealers.</td> </tr> <tr> <td>Discarded packing materials</td> <td>5 m³</td> <td>---</td> <td>Sale to vendors.</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1" data-bbox="411 813 1425 1149"> <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 & wet waste</td> <td>800 kg @ max.</td> <td>Into separate bins to be provided to each unit & room.</td> <td>*as below:</td> </tr> <tr> <td>STP Sludge</td> <td>1 kg</td> <td></td> <td>Used as manure after necessary treatment.</td> </tr> </tbody> </table> <p>* These bins will be regularly emptied at the designated areas for wet & dry waste. Dry waste will be sold to vendors & wet organic waste will be send to the agencies converting organic waste into manure / other useful products. Remaining waste will be finally disposed at the MSW landfill / dumping site of AMC/ AUDA through agency authorized by AUDA.</p> <ul style="list-style-type: none"> • Details of segregation if to be done: yes. • Capacity and no. of community bins to be placed within premises: 40 + 30 = 70 bins of 80 liter capacity. • Landfill site where waste will be ultimately disposed by local authority: At the MSW landfill / dumping site of AMC/ AUDA. 				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	600	600	Reuse for greenbelt development.	Other excavated earth	12,400	12,400	Reuse for leveling low lying areas & plinth filling.	Construction debris	200 m ³	50 m ³	Plinth filling & pavement sub base.	Steel scrap	8 m ³	----	Sale to scrap dealers.	Discarded packing materials	5 m ³	---	Sale to vendors.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste & wet waste	800 kg @ max.	Into separate bins to be provided to each unit & room.	*as below:	STP Sludge	1 kg		Used as manure after necessary treatment.
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STP Sludge	1 kg		Used as manure after necessary treatment.																																					
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 7,765.35 m² • Parking area requirement for Commercial units as per GDCR: 2,980.24 m² • Parking area requirement as per GDCR for Hotel: 4,785.11 m² • Total number of CPS requirement for the project as per NBC : 351 • Number of CPS requirement for commercial units as per NBC: 120 • Number of CPS requirement as per NBC for Hotel, banquet hall, restaurant : 231 • Total Parking area provided (m²) & No. of ECS: 11,015.73 m² & 365 ECS • Parking area provided in basement (m²) & No. of ECS: 9,267.73 m² & 289 ECS • Parking area provided as opensurface(m²) & No.of ECS: 1748 m² & 76,ECS 																																						
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m & 18 m. • Number of Entry & Exit provided on approach road/s: 4 gates will be provided including two entries for commercial units & hotel, one entry for banquet hall and one entry to basement. • Width of Entry & Exit provided on approach road/s: 9.0 m & 6 m. 																																						

		<ul style="list-style-type: none"> Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): Width of all internal roads: 6 m. 																		
17.	Details of Green Building measures proposed.	Fly ash bricks & aerated blocks in wall partition, paving blocks in parking areas, RMC flooring & foundation, lead free paints for wall & ceiling etc.																		
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand: 1 MW Connected load: 1 MW Source: Torrent Power Ltd. DG Sets: 250 KVA – in case of emergency only No. and capacity of the DG sets: 1 x 250 KVA Fuel & its quantity: HSD/LDO - 270 lit/hr 																		
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. During the operation phase: Fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system, manually operated electric fire alarm system, automatic detection & alarm system, Pump near underground Static Water Storage Tank- One diesel pump of capacity-2 850 l/min and One electric pump of capacity-180 l/min. The nearest fire station: Bodakdev fire station Distance from the project site: 3.5 km Travel time: 10 minutes. 																		
20.	Details on staircase																			
	<table border="1"> <thead> <tr> <th>Type & no. of buildings</th> <th>No. of floors</th> <th>Floor area</th> <th>No. of staircase</th> <th>Width of the staircase</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>G+13</td> <td></td> <td>4</td> <td>2.0</td> <td><30 m</td> </tr> <tr> <td>1</td> <td>G+9</td> <td></td> <td>4</td> <td>2.0</td> <td><30 m</td> </tr> </tbody> </table>	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)	1	G+13		4	2.0	<30 m	1	G+9		4	2.0	<30 m	
Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)															
1	G+13		4	2.0	<30 m															
1	G+9		4	2.0	<30 m															
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: ---- No. & dimensions of RWH tank(s) : No. and depth of percolations wells : 2 nos. of percolation wells Details on Pre-treatment facilities : Filtration. 																		
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) : @ 452.32 m² Area covered by shrubs and bushes (m²): Lawn covered area (m²): 882.18 m² Total Green Area (m²): 1334.50 m² Green Area % of plot area: No. of trees and species to be planted: 120 trees Asopalav etc. 																		
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	(Please specify the activities and break up of budget allocation) --- Rs.45 lacs (Plantation within premises and collaboration with AMC for surrounding of our site) , banner , etc.)																		
24.	Dust control measures	Downwash of trucks (especially wheels) prior to departure from site, covering of loose construction material with tarpaulin, use of Ready Mix Concrete to minimize handling of construction material, barricading the project site, water sprinkling on roads etc.																		
25.	Details of eco friendly	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC,																		

	building materials	lead free paints etc.
26.	Details of amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, PPEs, first aid room with first aid kit & welfare facilities as per the Gujarat Building & Other Construction Workers Rules.
27.	Documents related to land possession	N.A order submitted by them shows that the land for residential & commercial use is in the name of Chhatra Chhaya Co.Op. Housing Soc. Ltd and New Chhaya Co.Op. Housing Soc Ltd. through their secretary & chairman.

During the meeting, it was presented that provision of adequate air changes per hour so as to avoid build up of CO (Carbon Monoxide) and car park exhaust system equipped with CO sensor, to ensure operation of exhaust fan as per CO concentration levels will be provided in basement. It is proposed to provide basements with 3.8 m height (basement level 1) and 4.25 m height (basement level 2) to accommodate mechanical parking. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Project plan showing building wise & floor wise built up area, FSI area & floor area tables, unobstructed peripheral margin for easy access of fire tenders as well as plot area statement.
2. Calculation and provision of minimum fire water requirement based on fire study as well as the availability of external fire fighting facility. Plans showing location of automatic sprinklers to be provided.
3. Details of the exits and staircases on each floor for evacuation from the top level to the street level along with the distances between two such staircases in each building in compliance to the GDCR and NBC in this regard.
4. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Details with respect to compensation of the total energy requirement of the project with the proposed energy conservation measures.
5. 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.
6. Detailed fresh water consumption based on activity and area of the project as per the NBC norms.
7. Status of permission from Central Ground Water Authority in case of ground water abstraction for the proposed project.
8. In case of ground water abstraction, details on ground water quality in the area, ground water table, classification of the area with reference to the availability of ground water etc. should also be submitted.

21	Sakar – IX	F.P. No 187/1, T.P.S. No. 03 (Ellis Bridge), Ashram Road, Dist: Ahmedabad	EC amendment & expansion.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Bakeri Urban Development Pvt. Ltd. for the commercial building construction project at F.P. No 187/1, T.P.S. No. 03 (Ellis Bridge), Ashram Road, Dist: Ahmedabad vide order no. SEIAA/GUJ/ EC/8(a)/153/2014 dated 08/09/2014 for the built up area of 21,393.0 m².

The project proponent vide their proposal no. SIA/GJ/NCP/50674/2016 dated 29/02/2016 along with revised Form-I & Form-IA requested for amendment of Environmental Clearance order dated 08/09/2014. The request of the amendment in the Environmental Clearance order was considered during the meeting. Details of the project as per the EC granted and details of the project after the proposed changes, as presented before the committee, are tabulated below:

Description	Details as per Environmental Clearance	Revised details as per CBD
Plot area	4,450 m ²	4,450 m ²
Ground coverage	1,678 m ² (37.7 % of plot area)	2,129.22m ² (47.84 % of plot area)
Permissible Floor area/ FAR	12,015 m ² /2.7	24,030 m ² (5.4)
Proposed Floor area/ FAR	10,847 m ² /2.44	23,782.57 m ² (5.34)
Built-up area	21,393.0 m ²	35,121.13 m ²
Usage	Commercial shops and Offices (216 offices and 1 Showroom)	Commercial shops and Offices (346 offices and 1 Showroom)
Number of floors	B1 + B2 + Hollow Plinth + Mezzanine Floor + 7 Floors – 2 Blocks	B1 + B2 + G/P+ 13 Floors - 1 Block
Maximum Height (m)	27 m	45 m
Water requirement (KL/day) & source	122.9 & AMC	190.05 & AMC
Waste water generation (KL/day) & disposal	102.52 & into drainage line of AMC	155.93 & into drainage line of AMC
Population	Occupants: 2180 ; Visitors: 1500	Occupants: 3470; visitors: 2000
Basement area m ²	5,766 m ²	5,798.32 m ²
Parking area requirement as per GDCR (m ²)	5,432.50 m ²	11,891.3 (as per revised GDCR)
Parking requirement as per NBC	216 CPS	476 CPS
Parking area provision.	14,397.0 m ² [1,910.0 m ² in hollow plinth + 11,532.0 m ² in basement + 955.0 m ² in mezzanine floor] equivalent to 457 CPS	14,833.06 m ² [3,236.42 m ² in hollow plinth + 11,596 m ² in basement with mechanical parking] equivalent to 479 CPS
Municipal Solid Waste generation (Kg/day)	736.0	800.0
Fire fighting arrangements	Underground static water storage tank of 200 KL capacity, terrace fire water tank of 20 KL capacity, fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system, manually operated electric fire alarm system, automatic detection and alarm system etc.	Underground static water storage tank of 200 KL capacity, 2 nos. of terrace fire water tanks each of 20 KL capacity, fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system in entire building, manually operated electric fire alarm system, automatic detection and alarm system etc.

During the meeting, it was presented that 2 nos. of staircases of 2 m width will be provided in the proposed commercial building having maximum floor area of 2,129.22 m². Maximum travel distance of a stair case from the farthest corner of the floor as well as between the two staircases will be 40 m. It is proposed to provide mechanical parking in both the level basements & in hollow plinth. Height of the basements & hollow plinth will be 4.6 m & 5.6 m respectively to accommodate mechanical parking. While asking by the committee, it was presented that the main reason for the proposed expansion is availability of additional FSI to the project under CBD (Central Business District) scheme of AMC. It was presented that the of CBD scheme was under planning & discussion stage since long and hence the foundation & designing of the building has already been carried out considering the proposed additional FSI & 13 stories in order to take advantage of additional FSI under CBD scheme. During the meeting, after detailed deliberation, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from concerned authority or authentic supporting documents showing availability of the proposed FSI to the project.
2. Structural stability certificate stating that the foundation & design of the building is capable of bearing the

load of 13 storied structure.

3. Project plan showing floor wise built up area, FSI area & floor area tables as well as plot area statement.
4. Details of mechanical parking to be provided (also including its operation, maintenance, energy consumption, appointing trained personnel's etc.) in the basement & hollow plinth.

22	Building construction project by Mr. Amitbhai Gorasiya	B.No.107+108, O.P.No.53+54, F.P.No.56+57, T.P.S.No.18, Mota Varachha, Surat.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No	Particulars	Details															
	Proposal is for	New Project [SIA/GJ/NCP/50809/2016]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Mr. Amitbhai Gorasiya															
5.	Name of Developer	Mr. Amitbhai Gorasiya															
6.	Estimated Project Cost (Rs. In Crores)	Rs.70crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 6,395.0 • FSI area (m²): 23,511.94 • Total BUA (m²):36,613.5 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>25,484.0</td> <td>23,511.94</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>1,822.5</td> <td>1,804.92</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>640</td> <td>639.5</td> </tr> <tr> <td>Max. building height (m)</td> <td>70</td> <td>66.67</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	25,484.0	23,511.94	Ground Coverage (m ²)	1,822.5	1,804.92	Common Plot Area (m ²)	640	639.5	Max. building height (m)	70	66.67
	Permissible	Proposed															
FSI Area (m ²)	25,484.0	23,511.94															
Ground Coverage (m ²)	1,822.5	1,804.92															
Common Plot Area (m ²)	640	639.5															
Max. building height (m)	70	66.67															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:2 • No. of Blocks:3 • Scope of buildings/blocks: 1 building with 2 blocks – 2 level basement + hollow plinth + 19 floors, 1 building – 2 level basement + ground floor + 2 floors. • 1 nos of two level multi-purpose hall • No.& size of Residential Units:76 units • No. & type of Commercial Units: --- • Details of amenities if any:- 															

10.	No. of expected residents / users	342																																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day):15.0 • Source of water: Water supply from SMC • Waste water generation quantity (KL/day): 2.1 KLD • Mode of disposal: into drainage line of SMC. 																																
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 52.0 • Source of water: Water supply from SMC • Waste water generation quantity (KL/day): 38.0 • Mode of disposal: into drainage line of SMC. 																																
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 (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1,918.5</td> <td>400</td> <td>400 m³ of excavated top soil will be utilized for greenbelt development. 1,518.5 m³ of excavated top soil will be utilized for back filling</td> </tr> <tr> <td>Other excavated earth</td> <td>36,052.6</td> <td>2,318.5</td> <td>2,318.5 m³ of excavated soil will be utilized for back filling with in site. Excess soil of 33,734.1 m³ will be utilized at other project site after obtaining necessary permission if any</td> </tr> <tr> <td>Construction debris</td> <td>15kg/day</td> <td rowspan="3">Nil</td> <td rowspan="3">Sold off to recyclers</td> </tr> <tr> <td>Steel scrap</td> <td>15kg/day</td> </tr> <tr> <td>Discarded packing materials</td> <td>6kg/day</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>50 kg/day</td> <td rowspan="2">Into separate bins to be provided within</td> <td rowspan="2">Will be collected through door to door waste collection system of SMC for final disposal at Khajod</td> </tr> <tr> <td>Wet waste</td> <td>52 kg/day</td> </tr> </tbody> </table>				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1,918.5	400	400 m ³ of excavated top soil will be utilized for greenbelt development. 1,518.5 m ³ of excavated top soil will be utilized for back filling	Other excavated earth	36,052.6	2,318.5	2,318.5 m ³ of excavated soil will be utilized for back filling with in site. Excess soil of 33,734.1 m ³ will be utilized at other project site after obtaining necessary permission if any	Construction debris	15kg/day	Nil	Sold off to recyclers	Steel scrap	15kg/day	Discarded packing materials	6kg/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	50 kg/day	Into separate bins to be provided within	Will be collected through door to door waste collection system of SMC for final disposal at Khajod	Wet waste	52 kg/day
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse																															
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Wet waste	52 kg/day																																	

		premises.	disposal site.
		<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins will be provided for dry and wet waste to each unit • Capacity and no. of community bins to be placed within premises: 1 bin having capacity of 75 kg for dry waste and 1 bin of 75 kg for wet waste will be provided to building. • Landfill site where waste will be ultimately disposed by local authority: Khajod Disposal Site 	
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 11,755.97 m² • Parking area requirement for residential units as per GDCR: 11,755.97 m² • Total number of CPS requirement for the project as per NBC : 76 • Number of CPS requirement for residential units as per NBC: 76 • Total Parking area provided (m²) & No. of ECS: 12,907.31m² and 414 ECS • Parking area provided in basement (m²) & No. of ECS: 8,156 m² and 255 ECS • Parking area provided in hollow plinth (m²) & No. of ECS: 730.01 m² and 26 ECS • Parking area provided as open surface (m²) & No. of ECS: 591.20 m² and 26 ECS • Parking area provided as mechanical parking in basement (m²) & No. of ECS: 3430 m² and 107 ECS 	
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24 m T.P. road • Number of Entry & Exit provided on approach road/s: One gate will be provided including one basement entry / exit. • Width of Entry & Exit provided on approach road/s: 9 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 7 m • Width of all internal roads: 7.5 m 	
17.	Details of Green Building measures proposed.	<p>Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.</p>	
18.	Energy Requirement , Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 500 KW Connected load: 600 KW • Source: Torrent Power • Energy saving by Non-conventional Methods: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets: 4 x 60 KVA Fuel & its quantity: diesel (10 Liter/h) Note : - D.G. Sets will be used in case of power failure or fire emergency 	
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • Nearest fire station: Varachha fire station. Distance from project site: 2 km. 	

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)
	A& B	19	1224.74	4	1.6 m	Less than 15 m
	C	2	354.47	1	1.2 m	Less than 15 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 16m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :2 percolation wells • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :450.0 • Area covered by shrubs and bushes (m²): 200.0 • Lawn covered area (m²): 350.0 • Total Green Area (m²): 1000.0 • Green Area % of plot area: 12.50% • No. of trees and species to be planted: 200 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Green belt development : 40Lacs Drainage and rain water harvesting: 40 lacs Solar and energy saving: 30lacs Total: 110Lacs				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.				
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.				
26.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.				
27.	Land Status	N.A order for block no. 107 for residential use is in the name of applicant & others. N.A order for block no. 108 for residential use in the name of land owners and the land owners have given power of attorney to the applicant of the proposed project.				

During the meeting, it was presented that the project site is at a distance of 60 m from river Tapi. Further they have submitted a copy of structural stability certificate stating that the building foundation will be designed for soil bearing capacity as per soil investigation report of the project site. After detailed deliberation, it was decided to consider the project only after submission of the following:

1. Exact aerial distance of the project site from the nearest boundary of river Tapi.
2. Permission from concerned competent authority for the proposed FSI of the project.
3. Details of mechanical parking to be provided (also including its operation, maintenance, energy consumption, appointing trained personnel's etc.) in the basement along with the feasibility of providing

mechanical parking considering the basement height.

4. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, location of fire lift and fire retardant staircases, provision of refuge area in high rise building etc.

23	Building construction project by Vadodara Municipal Corporation.	F. P. Number 127, T.P. Number 60, Gotri District : Vadodara	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/50877/2016]															
2.	Type of Project	Residential(LIG) & Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Residential (LIG) & Commercial															
5.	Name of Developer	Vadodara Municipal Corporation															
6.	Estimated Project Cost (Rs. In Crores)	65 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 15,068 FSI area (m²):44,616.12 Total BUA (m²):52,448.46 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area</td> <td>45,204.0</td> <td>44,616.12</td> </tr> <tr> <td>Ground Coverage</td> <td>3,887.54</td> <td>3,886.98</td> </tr> <tr> <td>Common Plot Area</td> <td>1,205.44</td> <td>1,507.0</td> </tr> <tr> <td>Max. building height</td> <td>45</td> <td>42.60</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area	45,204.0	44,616.12	Ground Coverage	3,887.54	3,886.98	Common Plot Area	1,205.44	1,507.0	Max. building height	45	42.60
	Permissible	Proposed															
FSI Area	45,204.0	44,616.12															
Ground Coverage	3,887.54	3,886.98															
Common Plot Area	1,205.44	1,507.0															
Max. building height	45	42.60															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:7 No. of Blocks:7 Scope of buildings/blocks: 2 buildings – ground floor (parking & shops) + 13 floors. 5 buildings – hollow plinth + 13 floors. No.& size of Residential Units: 720 Flats- 2BHK (Size 56.36 m²) No. & type of Commercial Units: 32 shops Details of amenities if any: one society office 															
10.	No. of expected residents / users	3304 occupants and 300 visitors															
11.	Water & waste water details during construction	<ul style="list-style-type: none"> Water requirement (KL/day): 19.75 Source of water: Water tankers Waste water generation quantity (KL/day): 5.73 Mode of disposal: Into septic tank & soak pit. 															

	phase	<ul style="list-style-type: none"> • Details of reuse of water, if any: No 																																				
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 450.80 • Source of water: Water supply from Vadodara Mahanagar Seva Sadan (VMSS). • Waste water generation quantity (KL/day): 355.82 • Mode of disposal: Into drainage line of VMSS. 																																				
13.	Status of water supply and drainage line	Water supply & drainage connection will be provided by VMSS																																				
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>800</td> <td>800</td> <td>Will be used for greenbelt development.</td> </tr> <tr> <td>Other excavated earth</td> <td>7200</td> <td>3360 m³ will be used for back filling and raising plinth level.</td> <td>Balance earth will be used in other project</td> </tr> <tr> <td>Construction debris</td> <td>480</td> <td>300 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to VMSS</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>8</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>646.4</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>969.6</td> <td>Green Bins</td> <td>Municipal bins</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: yes • Capacity and no. of community bins to be placed within premises: 15 kg and 10 number of community bins to be placed in common area • Landfill site where waste will be ultimately disposed by local authority: At municipal solid waste dumping / collection site of VMSS/VMC 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	800	800	Will be used for greenbelt development.	Other excavated earth	7200	3360 m ³ will be used for back filling and raising plinth level.	Balance earth will be used in other project	Construction debris	480	300 m ³ will be used for development of internal road.	Balance debris will be handed over to VMSS	Steel scrap	15	0	Sold to vendors	Discarded packing materials	8	0	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	646.4	White bins	Sold to vendors	Wet waste	969.6	Green Bins	Municipal bins
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Wet waste	969.6	Green Bins	Municipal bins																																			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 5,285.48 m² • Parking area requirement for residential units as per GDCR: 4,801.24 m² • Parking area requirement for Commercial units as per GDCR: 484.24 m² • Total number of CPS requirement for the project as per NBC :380 • Number of CPS requirement for residential units as per NBC: 360 • Number of CPS requirement for commercial units as per NBC:20 • Total Parking area provided (m²) & No. of CPS: 8,522.1 & 343 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:3,387.1 & 120 CPS • Parking area provided as open surface (m²) & No. of CPS: 5,135 & 223 CPS. 																																				
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18 m wide road • Number of Entry & Exit provided on approach road/s: Two entry and Two exit • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4.5 m • Width of all internal roads: 6 m & 7.5 m. 																																				

17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, use of aerated blocks, use of LED/CFL lighting fixtures and low voltage lighting, roof-top thermal insulation, rain water harvesting & ground water recharge through 4 nos. of percolating wells etc.												
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand: 4000 KVA Connected load: 3750 KVA Source: Madhya Gujarat Vij Company Limited (MGVCL) % of saving with calculations: ~20% by use of LED/CFL and star rated energy efficient electronic consumer durables Compliance of the ECBC guidelines (Yes / No), if yes, compliance in tabular form: only roof area DG Sets: No. and capacity of the DG sets: 1 x 62.5 KVA Fuel & its quantity: HSD, 10 litre/hr 												
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, underground static water storage tank-200 KL capacity, terrace tank -70 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc. 												
20.	Details on staircase	<table border="1"> <thead> <tr> <th>Type & no. of buildings</th> <th>No. of floors</th> <th>Floor area m²</th> <th>No. of staircase</th> <th>Width of the staircase (m)</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>A to G</td> <td>G + 13</td> <td>484.64</td> <td>2</td> <td>2.0 & 1.0</td> <td>22</td> </tr> </tbody> </table>	Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)	A to G	G + 13	484.64	2	2.0 & 1.0	22
Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)									
A to G	G + 13	484.64	2	2.0 & 1.0	22									
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 22 m No. & dimensions of RWH tank(s): 4 No and 2.5m X 2 m X 3 m No. and depth of percolations wells: 4 nos Details on Pre-treatment facilities: oil and grease removal and filter. 												
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²): 600 Area covered by shrubs and bushes (m²): 450 Lawn covered area (m²): 457 Total Green Area (m²): 1507 Green Area % of plot area: 10% No. of trees and species to be planted: 230 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar. 												
23.	Dust control measures	Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc.												
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs.22.0 lacs & Rs.10.5 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 possession	Form no. F shows that the land for EWS housing & commercial use in the name of Vadodara Mahanagar Seva Sadan.

During the meeting, it was presented that the proposed project will comprise of all the Low Income Group housing units. The committee was of the view that provision of STP & parking area provision as per NBC norms should not be insisted upon in such project housing all the LIG units. After discussing various aspects of the project, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

24	Building construction project by Mr. Mohanbhai Munjani.	R.S.No.9, O.P.No.14, F.P.No.78, T.P.S.No.31, Adajan, Surat.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/50141/2015]															
2.	Type of Project	Commercial Project															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Commercial Project.															
5.	Name of Developer	Mr. Mohanbhai Munjani															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 70 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 5,670.0 FSI area (m²): 12,757.32 Total BUA (m²):23,821.37 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td></td> <td>12,757.32</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td></td> <td>2,297.98</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>567.0</td> <td>567.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>53.67 m</td> <td>43.67m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)		12,757.32	Ground Coverage (m ²)		2,297.98	Common Plot Area (m ²)	567.0	567.0	Max. building height (m)	53.67 m	43.67m
	Permissible	Proposed															
FSI Area (m ²)		12,757.32															
Ground Coverage (m ²)		2,297.98															
Common Plot Area (m ²)	567.0	567.0															
Max. building height (m)	53.67 m	43.67m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:1 No. of Blocks:1 Scope of buildings/blocks: 2 level basement + ground floor + 12 floors. No. & size of Residential Units: --- No. & type of Commercial Units:302 offices/shops and 68 rooms residential hotel Details of amenities if any: 															
10.	No. of expected residents / users	1563															
11.	Water & waste water details during	<ul style="list-style-type: none"> Water requirement (KL/day): 30.0 Source of water: Water supply from SMC. 															

	construction phase	<ul style="list-style-type: none"> Waste water generation quantity (KL/day): 2.28 Mode of disposal: into SMC drain 		
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 230.0 Source of water: Water supply from SMC. Waste water generation quantity (KL/day): 180.0 Mode of disposal: Will be disposed in to SMC drain. 		
13.	Status of water supply and drainage line	Both drainage and water supply lines are available at site		
14.	Solid waste Management	Construction Phase:		
		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse
	Top Soil	1,897 m ³	800 m ³	<ul style="list-style-type: none"> 800 m³ of excavated Top Soil will be utilized for greenbelt development 1097 m³ of Top Soil will be utilized for back filling
	Other excavated earth	25,609.5 m ³	2,305 m ³	2,305 m ³ of excavated soil will be utilized for back filling with in site. Excess soil of 23,304.5 m ³ will be utilized at other project site after obtaining necessary permission if any
	Construction debris	15kg/day	Nil	Sold off to recyclers
	Steel scrap	15kg/day		
	Discarded packing materials	6kg/day		
		Operation Phase:		
	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
	Dry waste	162 kg/day	Into bins to be provided within premises.	Disposal through door to door waste collection system of SMC.
	Wet waste	150 kg/day		
		<ul style="list-style-type: none"> Details of segregation if to be done: Separate bins will be provided for dry and wet waste to each unit. Capacity and no. of community bins to be placed within premises: 1 nos of bin having capacity of 150kg each for dry waste and 1nos of 150 kg for 		

		<p>wet waste will be provided to building.</p> <ul style="list-style-type: none"> • Landfill site where waste will be ultimately disposed by local authority: Final disposal at Khajod Disposal Site.
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,827.20 m² • Parking area requirement for Commercial units as per GDCR: 3,827.20 m² • Total number of CPS requirement for the project as per NBC :190 • Number of CPS requirement for commercial units as per NBC:190 • Total Parking area provided (m²) & No. of CPS: 7,692.42 m² and 251 CPS • Parking area provided in basement (m²) & No. of CPS: 6,925.18 m² and 217 CPS • Parking area provided as open surface (m²) & No. of CPS: 767.24 m² and 34 CPS
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:36 m wide TP road. • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s:6 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation): 3m to 6 m • Width of all internal roads: 6 m
17.	Details of Green Building measures proposed.	<p>Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.</p>
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand:1,850 KW Connected load:1,900 KW Source: DGVCL • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:2 × 132 KVA Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used in case of power failure or fire emergency
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Fire extinguishers (portable & mobile), hose reel, wet riser, manually operated electric fire alarm system, terrace water tanks of 20 KL capacity, underground water tank of 200 KL etc. • Nearest fire station: Adajan fire station. Distance from project site: 3 km.

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area (m ²)	No. of staircase	Width of the staircase (m)	Travel distance (m)
	1	12	1978.58 maximum & minimum 689.14	1 st & 2 nd floors - 5 staircases, 3 rd floor- 2 staircases, 4 th to 12 th floors – 5 staircases.	2.0 m	Less than 30 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 15m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :2 • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :450.0 • Area covered by shrubs and bushes (m²): 150.0 • Lawn covered area (m²): 350.0 • Total Green Area (m²): 950.0 • Green Area % of plot area: 14.10% • No. of trees and species to be planted: 200 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Green belt development : 35 Lacs Drainage and rain water harvesting: 35 lacs Solar and energy saving: 30 Lacs Total: 100Lacs				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.				
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.				
26.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.				
27.	Documents related to land possession.	Village from no. 7 & 12 submitted by them shows that the land for commercial use is in the name of applicant.				

During the meeting it was observed that river Tapi is about 1.1 km away from the project site. They have submitted a copy of permission obtained from Airports Authority of India for building height of 53.67 m above the ground level. Further while asking by the committee the project proponent presented that the plinth level of the project site will be raised considering the highest flood level of the area. After detailed discussion, it was decided to consider the project only after submission of the following:

1. 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.
2. Base line status of the existing traffic, impact on it due to the project activities (prior to construction, during construction and at full site operation), carrying capacity of the existing roads and details of traffic management in and outside the project during construction and operation phase of the project.
3. Details 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.

25	Swati Florence	S.P.No.2, F.P.No.170/1, O.P.No.170/1, B.No. 473/A+B, Draft T.P.S.No.3, Bopal, Dascroi, Ahmedabad.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/50983/2016]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	Category 'B', 8(a)															
4.	Name of the project	Swati Florence															
5.	Name of Developer	M/s. Swati Realty															
6.	Estimated Project Cost (Rs. In Crores)	61 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	Construction not started															
8.	Project Details	<ul style="list-style-type: none"> • Land/ Plot Area (m²): 7,927.6 • FSI area (m²): 22,684.9 • Total BUA (m²): 41,264.1 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>28,539.53</td> <td>22,684.99</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>-</td> <td>2,669.34</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>634.21 m²</td> <td>818.49 m²</td> </tr> <tr> <td>Max. building height (m)</td> <td>44.96 m</td> <td>44.96 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	28,539.53	22,684.99	Ground Coverage (m ²)	-	2,669.34	Common Plot Area (m ²)	634.21 m ²	818.49 m ²	Max. building height (m)	44.96 m	44.96 m
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Common Plot Area (m ²)	634.21 m ²	818.49 m ²															
Max. building height (m)	44.96 m	44.96 m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 3 • No. of Blocks: 5 Blocks • Scope of buildings/blocks: Basement + Hollow plinth + 14 floors • No. & size of Residential Units: 280 Flats, • floor area 79.8 m² and 79.9 m² • No. & type of Commercial Units: -- • Details of amenities if any: Club house 															
10.	No. of expected residents / users	Fixed population :1400 persons Floating population: 560 persons/day															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 18 • Source of water: Local water tanker supplier • Waste water generation quantity (KL/day): 2 • Mode of disposal: Septic tank / soak pit system • Details of reuse of water, if any: None 															

12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 214 • Source of water: Water supply from AUDA • Waste water generation quantity (KL/day): 168 • Mode of disposal: Sewage will be discharged into drainage system of AUDA. 																																			
13.	Status of water supply and drainage line	AUDA water supply/drainage system is available at the project site.																																			
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="480 472 1398 1473"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1200</td> <td>1200</td> <td>Will be stored onsite and used for development of greenbelt.</td> </tr> <tr> <td>Other excavated earth</td> <td>17500</td> <td>17500 will be reused for re-filling of foundation & plinth, green belt and levelling low lying areas at project site itself. excess (if any) will be sent to another site where need may be exist.</td> <td>Excess (if any) will be sent to another site where need may exist.</td> </tr> <tr> <td>Construction debris</td> <td>300</td> <td>300</td> <td>Will be used for levelling, roads, pavements etc.</td> </tr> <tr> <td>Steel scrap</td> <td>Whatsoever</td> <td>--</td> <td>Will be returned to supplier or sold to scarp dealer/ end users.</td> </tr> <tr> <td>Discarded packing materials</td> <td>Whatsoever</td> <td>--</td> <td>Will be returned to supplier/ sold to authorized recycler</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1" data-bbox="480 1507 1430 2051"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td rowspan="2">700 kg/day</td> <td rowspan="2">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.</td> <td rowspan="2">The said common community bins will be regularly emptied by AUDA</td> </tr> <tr> <td>Wet waste</td> </tr> </tbody> </table>				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1200	1200	Will be stored onsite and used for development of greenbelt.	Other excavated earth	17500	17500 will be reused for re-filling of foundation & plinth, green belt and levelling low lying areas at project site itself. excess (if any) will be sent to another site where need may be exist.	Excess (if any) will be sent to another site where need may exist.	Construction debris	300	300	Will be used for levelling, roads, pavements etc.	Steel scrap	Whatsoever	--	Will be returned to supplier or sold to scarp dealer/ end users.	Discarded packing materials	Whatsoever	--	Will be returned to supplier/ sold to authorized recycler	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	700 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
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		<ul style="list-style-type: none"> • Details of segregation if to be done: Two separate bins (one for dry and one for wet waste) each of 10 L capacity will be provided to each unit. • Capacity and no. of community bins to be placed within premises: 35 community bins of 80 lit capacity will be provided at various locations • Landfill site where waste will be ultimately disposed by local authority: Final disposal at nearby MSW collection point of AUDA.
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 4537 m² • Parking area requirement for residential units as per GDCR: 4537m² • Total number of CPS requirement for the project as per NBC : 140 CPS • Number of CPS requirement for residential units as per NBC : 140 CPS. • Total Parking area provided (m²) & No. of ECS: 10,596.56 m² & 340 CPS. • Parking area provided in basement (m²) & No. of ECS: 5,303.35 m² & 165 CPS. • Parking area provided in hollow plinth (m²) & No. of ECS: 2,093.21 m² & 75 CPS. • Parking area provided as mechanical parking (m²) & No. of ECS: 3,200.0 m² & 100 CPS.
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24 m wide road in North direction of the project site • Number of Entry & Exit provided on approach road/s: One entry/ exit will be provided. • Width of Entry & Exit provided on approach road/s:7.6 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: 7.5 m
17.	Details of Green Building measures proposed.	<p>Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash, PVC electrical boards, aluminium window frame & marble door frame instead of wood, rain water harvesting by recharging the ground water table through 2 percolation wells, maximize the use of light colours in the building envelope - to reduce heat absorption and associated cooling requirements, solar lights in common sunlit areas etc.</p>
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: Estimated requirement During construction phase: 40 kW and During operation phase: 1 MW. Connected load: Will be applied. • Source: M/s. UGVCL • Energy saving measures; % of saving with calculations; Compliance of the ECBC guidelines (Yes/ No),if yes, compliance in tabular form: Solar Power → Approx 42 kWh/day energy saving, maximum use of LED lights in each block for non-renewable energy conservation

		<p>→ 1460 kWh/day energy saving, use of variable frequency drives motors to optimize power consumption, individual building block has been oriented so as to have maximum natural daylight as well as ventilation, use of the 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.</p> <ul style="list-style-type: none"> • DG Sets: Not proposed. 														
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Nearest fire station is Bodakdev Fire Station and is approx. (5 km) away from the project site. Time required for the fire tender to reach at the project site is 10-15 minutes. • During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practices, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. 														
20.	Details on staircase	<table border="1"> <thead> <tr> <th colspan="2">Type & no. of buildings</th> <th>No. of floors</th> <th>Max . Floor area (m²)</th> <th>No. of staircase</th> <th>Width of the staircase (m)</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>Total 5 Blocks</td> <td>A to E Res.</td> <td>G+14</td> <td>319.67</td> <td>1</td> <td>2</td> <td>16m (Max)</td> </tr> </tbody> </table>	Type & no. of buildings		No. of floors	Max . Floor area (m ²)	No. of staircase	Width of the staircase (m)	Travel distance (m)	Total 5 Blocks	A to E Res.	G+14	319.67	1	2	16m (Max)
Type & no. of buildings		No. of floors	Max . Floor area (m ²)	No. of staircase	Width of the staircase (m)	Travel distance (m)										
Total 5 Blocks	A to E Res.	G+14	319.67	1	2	16m (Max)										
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: depth of water level: 40 m as per CGWB report • No. & dimensions of RWH tank(s): 2 nos. RWH structure of 0.20 m dia. and 40 m depth having rainwater catchment pit and sand filtration media will be provided. • No. and depth of percolations wells : 2 nos., 40 m • Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month. 														
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 527 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²) : 403.72 • Total Green Area (m²) : 931 • Green Area % of plot area: 12 % • No. of trees and species to be planted: Local species such as Ashok, 														

		Neem, Sevan, Guava etc. will be preferred for plantation.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 6 lacs & Rs. 19 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase respectively.
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, tarpaulin sheet cover on the material during the transportation, maximum use of Ready Mix Concrete (RMC), uniform piling of sand and proper storage to avoid dusting.
25.	Eco friendly building materials	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash.
26.	Facilities to be provided to the construction workers	Sanitation facilities, drinking water, municipal solid waste collection facility etc.
27.	Documents related to land possession.	Copy of index of subregistrar's office submitted by them shows that the N.A land of the project site is in the name of M/s Swati Reality, a partnership firm. N.A permission has already been obtained by land owners for residential & commercial use of the project site.

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

1. Copy of permission obtained from the concerned authority &/or other supporting documents showing availability of the proposed FSI to the project.
2. 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 etc.

26	Suvan Business Park	S.P.No.74+75+78/P & 80/B/1, F.P.No. 74+75+78/P & 80, T.P.S.No.10,Rakhiyal, Ahmedabad	Screening & scoping
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/50927/2016]
2.	Type of Project	Commercial Complex
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	"Suvan Business Park"
5.	Name of Developer	Shayona Land corporation
6.	Estimated Project Cost (Rs. In Crores)	25 crore
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction work has been started.

8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 7,638.94 • FSI area (m²):13,376.32 • Total BUA (m²):21,006.14 <table border="1" data-bbox="480 304 1374 488"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>13,750.09</td> <td>13,376.32</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>3,801.50</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>--</td> <td>764.50</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>16.08 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	13,750.09	13,376.32	Ground Coverage (m ²)	---	3,801.50	Common Plot Area (m ²)	--	764.50	Max. building height (m)	--	16.08 m					
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Common Plot Area (m ²)	--	764.50																				
Max. building height (m)	--	16.08 m																				
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:1 • No. of Blocks:2 • Scope of buildings/blocks: Basement + ground floor + 3 floors • No.& size of Residential Units:N.A • No. & type of Commercial Units:--208 Shops 																				
10.	No. of expected residents / users	1000 users including floating population																				
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day):25.0 • Source of water:AMC water supply • Waste water generation quantity (KL/day):4.5 • Mode of disposal: Septic tank & soak pit • Details of reuse of water, if any:N.A. 																				
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day):31.13 • Source of water:AMC water supply • Waste water generation quantity (KL/day):25.27 • Mode of disposal:AMC drainage line 																				
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" data-bbox="480 1200 1370 1924"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil & Other excavated earth</td> <td>23,600.0</td> <td>23,600.0</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>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil & Other excavated earth	23,600.0	23,600.0	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.
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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	93.6	Into bins to be provided within premises.	Door to door waste collection system of AMC / AUDA.
		Wet waste	62.4	Into bins to be provided within premises.	Door to door waste collection system of AMC/ AUDA.
		<ul style="list-style-type: none"> • Details of segregation if to be done:No • Capacity and no. of community bins to be placed within premises: Total 26 bins with 80 lit capacities will be provided for the project. • Landfill site where waste will be ultimately disposed by local authority: Final disposal at the nearby AMC's waste collection site through agency approved by AMC 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 6,688.16 m² • Parking area requirement for Commercial units as per GDCR: 6,688.16 m² • Total number of CPS requirement for the project as per NBC:226 CPS • Number of CPS requirement for commercial units as per NBC: 226 CPS • Total Parking area provided (m²) & No. of CPS:7,138.45 m² & 245 CPS • Parking area provided in hollow plinth (m²) & No. of CPS: 833.82 m² & 30 CPS • Parking area provided as open surface (m²) & No. of CPS: 1,338.24 m² & 59 CPS • Parking area provided as Basement (m²) & No. of CPS:4,966.39 m² & 156 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:Site is accessible by 18.30 m wide side approach road. • Number of Entry & Exit provided on approach road/s:Two gates will be provided. • Width of Entry & Exit provided on approach road/s:Entry& Exit:9 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3m • Width of all internal roads:9.00 m 			
17.	Details of Green Building measures proposed.	Fly ash/PPC will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces. Provision of CFL/LED lights.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply:Torrent Power Ltd Maximum demand:1000 KVA Connected load:1600 KVA • Source:Torrent Power Ltd • Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc. • DG Sets: No. and capacity of the DG sets:2 x 120 KVA Fuel & its quantity:HSD-30 lit/hr 			
19.	Fire and Life Safety Measures	Dedicated water storage for fire fighting, fire extinguishers, fire alarm hose reels, external hydrants, wet risers, automatic sprinkler systems in			

		basements, riser system with pressure pump, auto operation with pressure switch, availability of all necessary information like police control room, medical facilities/hospital contacts, ambulance, security guard room etc.			
20.	Details on staircase:				
	Type of block	Floor area (m ²)	Number of Stair case	Width of Stair case in m	Travel distance (m)
	Block A &B	3,523.67	7	1.52	N.A
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:35-40 m BGL • No. & dimensions of RWH tank(s):nil • No. and depth of percolations wells:2 nos. of percolating wells. • Details on Pre-treatment facilities : -- 			
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²):170.0 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²):600.0 • Total Green Area (m²):770.0 • Green Area % of plot area:10% • No. of trees and species to be planted:115 			
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 15.0 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 29.5 lacs and recurring cost of Rs. 7.5 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.			
27.	Documents related to land possession.	Village form no. 7 for all the F.P.Numbers submitted by them shows that the agricultural land is in the name of M/s Soma Textiles & Industries Ltd., who has made development agreement with M/s Shayona Land Corporation for development of the proposed project.			

During the meeting, it was found that the construction activity for the proposed project has already been started. It was clarified that the project site was earlier falling in the Industrial zone & they cannot utilize FSI more than 1.0. So considering that they have obtained permission from AMC for built up area of 13,852.09 m². Now as per the revised GDCR , 1.8 FSI is available to the project and based on that the built up area is increasing to 21,006.14 m². After detailed deliberation, it was decided to appraise the project further only after submission of the following details and the project proponent was asked not to carry out any further construction activity at the project site.

1. Justification for starting the construction activity along with the details on date of starting the activity. Details of the construction work completed in terms of the percentage of the total construction area of the project.
2. Copy of project plans approved and Rajachhiththi &/or B.U permission obtained for 13,852.09 m².

3. Details of date on which the proposed additional FSI was available to the project should be submitted along with the supporting documents / permission obtained from the concerned authority.
4. 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.
5. Details on provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar street lighting, solar water heaters, solar panels etc.
6. Calculation and provision of minimum fire water requirement based on fire study as well as the availability of external fire fighting facility.
7. Status of permission for non agricultural use of the project site for commercial use or the copy of correspondences made with concerned authority in this regard.
8. Details on maximum travel distance of the staircase from the farthest corner of the floor.

27	Building Construction project by Mr. Saurinbhai K. Patel	S.No.251, O.P.No.18, F.P.No.18, D.T.P.S.No. 69, Ta: Dascroi, Dist: Ahmedabad.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/50297/2016]															
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 & commercial project.															
5.	Name of Developer	Mr. Saurinbhai K Patel															
6.	Estimated Project Cost (Rs. In Crores)	24 crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction work has been started.															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 6,495.0 • FSI area (m²):15,269.82 • Total BUA (m²):24,213.42 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td></td> <td>15,269.82</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>2,864.75</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>--</td> <td>649.50</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>28.2</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)		15,269.82	Ground Coverage (m ²)	---	2,864.75	Common Plot Area (m ²)	--	649.50	Max. building height (m)	--	28.2
	Permissible	Proposed															
FSI Area (m ²)		15,269.82															
Ground Coverage (m ²)	---	2,864.75															
Common Plot Area (m ²)	--	649.50															
Max. building height (m)	--	28.2															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:5 															

		<ul style="list-style-type: none"> No. of Blocks:8 Scope of buildings/blocks: 4 blocks – basement + hollow plinth + 7 floors. 4 blocks – basement + ground floor + 4 floors. No.& size of Residential Units:270 flats No. & type of Commercial Units:--13 Shops 																												
10.	No. of expected residents / users	Resi.-1400 users including floating population Comm. 50 users including floating population																												
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):30.0 Source of water:AMC water supply Waste water generation quantity (KL/day):4.5 Mode of disposal:Soak pit. 																												
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day):151.0 Source of water: AMC water supply Waste water generation quantity (KL/day):133.0 Mode of disposal: AMC drainage line 																												
13.	Status of water supply and drainage line	Water supply& drainage line is provided by AMC.																												
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil & Other excavated earth</td> <td>12,200.0</td> <td>12,200.0</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>330</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of AMC / AUDA.</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil & Other excavated earth	12,200.0	12,200.0	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	330	Into bins to be provided within premises.	Door to door waste collection system of AMC / AUDA.
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse																											
Top Soil & Other excavated earth	12,200.0	12,200.0	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.																											
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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	330	Into bins to be provided within premises.	Door to door waste collection system of AMC / AUDA.																											

		Wet waste	220	Into bins to be provided within premises.	Door to door waste collection system of AMC/ AUDA.
		<ul style="list-style-type: none"> • Details of segregation if to be done: Not proposed. • Capacity and no. of community bins to be placed within premises: Total 34 bins with 80 lit capacities will be provided for residential blocks & 4 bins with 80 lit capacities will be provided for commercial units. • Landfill site where waste will be ultimately disposed by local authority: At the nearby MSW collection point of AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:1,850.19 sqm • Parking area requirement for residential units as per GDCR:1765.52 sqm • Parking area requirement for Commercial units as per GDCR: 84.67 • Total number of CPS requirement for the project as per NBC:145 CPS • Number of CPS requirement for residential units as per NBC: 136 CPS • Number of CPS requirement for commercial units as per NBC:9 • Total Parking area provided (m²) & No. of CPS:8,284.85 m² & 289 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:2,703.98 m² & 97 CPS • Parking area provided as open surface (m²) & No. of CPS: 1,512.51 m² & 65 CPS • Parking area provided as Basement (m²) & No. of CPS:4,068.36 m²& 127 CPS 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:Site is accessible by 24 m wide road. • Number of Entry & Exit provided on approach road/s:Three gates will be provided including one main gate & two emergency entry/exit. • Width of Entry & Exit provided on approach road/s:Entry& Exit:7.30 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads:7.3 m & 4 m. 			
17.	Details of Green Building measures proposed.	Fly ash/PPC will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces. Provision of CFL/LED lights.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand:1000 KVA Connected load:1200 KVA Source:Gujarat Electricity Board • Energy saving by Non-conventional Methods: • Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc. • DG Sets: No. and capacity of the DG sets:2 x 120 KVA Fuel & its quantity: HSD-30 lit/hr 			
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • Dedicated underground & terrace water tanks for fire fighting, fire extinguishers, fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, 			

		<p>first aid box, displaying of important telephone numbers etc.</p> <ul style="list-style-type: none"> Name of the nearest fire station: Chandkheda Fire Station Distance from the project site: About 3 Km Time required by the fire tender to reach the project site: 5-10 minutes. 																														
20.	<p>Details on staircase:</p> <table border="1"> <thead> <tr> <th>Type of block</th> <th>Distance of stair case from the farthest corner (m)</th> <th>Number of Stair case</th> <th>Width of Stair case in m</th> <th>Floor area (m²)</th> </tr> </thead> <tbody> <tr> <td>A & B</td> <td><20</td> <td>2</td> <td>1.52</td> <td>316.0</td> </tr> <tr> <td>C & D</td> <td><20</td> <td>2</td> <td>1.52</td> <td>491.0</td> </tr> <tr> <td>E</td> <td><20</td> <td>1</td> <td>1.52</td> <td>218.0</td> </tr> <tr> <td>F</td> <td><20</td> <td>1</td> <td>1.52</td> <td>173.0</td> </tr> <tr> <td>G & H</td> <td><20</td> <td>2</td> <td>1.52</td> <td>562.0</td> </tr> </tbody> </table>		Type of block	Distance of stair case from the farthest corner (m)	Number of Stair case	Width of Stair case in m	Floor area (m ²)	A & B	<20	2	1.52	316.0	C & D	<20	2	1.52	491.0	E	<20	1	1.52	218.0	F	<20	1	1.52	173.0	G & H	<20	2	1.52	562.0
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21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 35-40 m BGL No. & dimensions of RWH tank(s): --- No. and depth of percolations wells: 3 nos. of percolating wells. Details on Pre-treatment facilities : -- 																														
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²): 170.00 Area covered by shrubs and bushes (m²): -- Lawn covered area (m²): 500.00 Total Green Area (m²): 670.0 Green Area % of plot area: 10% No. of trees and species to be planted: 125 																														
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 15.0 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 28.5 lacs and recurring cost of Rs. 7 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.																														
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26.	Details of basic amenities to be provided to construction workers.	Adequate sanitation facilities, drinking water, bins for collection of municipal solid waste.																														
27.	Documents related to land possession.	Village form no. 7 submitted by them shows that the N.A land for residential & commercial use is in the name of applicant & others.																														

During the meeting, the project proponent was suggested to make use of solar energy at the maximum extent possible. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

28	EWS Housing project by Ahmedabad Municipal Corporation	F.P. No.223, T.P.S. NO.113 Vastral, Ahmedabad.	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/51116/2016]															
2.	Type of Project	Residential Building Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	EWS Housing project by Ahmedabad Municipal Corporation															
5.	Name of Developer	Ahmedabad Municipal Corporaiton. Architect: Nila Infrastructures Limited.															
6.	Estimated Project Cost (Rs. In Crores)	Rs . 70 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 18,718.0 • FSI area Used (m²): 34,440.0 • Total BUA (m²): 53,180.08 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area, m²</td> <td>56,154</td> <td>34,440.0</td> </tr> <tr> <td>Ground Coverage, m²</td> <td>-</td> <td>5,740</td> </tr> <tr> <td>Common Plot Area, m²</td> <td>1,871.80</td> <td>1,985.03</td> </tr> <tr> <td>Max. building height, m</td> <td>-</td> <td>29.95</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area, m ²	56,154	34,440.0	Ground Coverage, m ²	-	5,740	Common Plot Area, m ²	1,871.80	1,985.03	Max. building height, m	-	29.95
	Permissible	Proposed															
FSI Area, m ²	56,154	34,440.0															
Ground Coverage, m ²	-	5,740															
Common Plot Area, m ²	1,871.80	1,985.03															
Max. building height, m	-	29.95															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 24 • No. of Blocks: 24 • Scope of buildings/blocks: Hollow plinth + 6 floors • No. of Residential Units: 1056 • No. of Commercial Units: 0 • Details of amenities if any: - 															
10.	No. of expected residents / users	1056 units x 6 person = 6336															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 46.1 • Source of water: Water supply from AMC • Waste water generation quantity (KL/day): 4.88 • Mode of disposal: Into drainage line of AMC. • Details of reuse of water, if any: No 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 860.0 • Source of water: Water supply from AMC • Waste water generation quantity (KL/day): 685.0 • Mode of disposal: Disposal into drainage line of AMC. 															
13.	Status of water supply and	AMC water supply and AMC drainage line are available at the project site.															

	drainage line																																			
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></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>25.0</td> <td>100 % reuse for green belt development</td> <td rowspan="3">Remaining will be send to the nearest collection point of AMC</td> </tr> <tr> <td>Other excavated earth</td> <td>82.0</td> <td>80 % reuse for back filling</td> </tr> <tr> <td>Construction debris</td> <td>135.0</td> <td>30% reuse for internal road sub base & plinth filling.</td> </tr> <tr> <td>Steel scrap</td> <td>10.0</td> <td>100% reuse</td> <td rowspan="2">Will be sold to recycler / vendors.</td> </tr> <tr> <td>Discarded packing materials</td> <td>3.0</td> <td>-</td> </tr> <tr> <td colspan="4" style="text-align: center;">Total solid waste (95 workers x 500 gm/person/day) 47.5 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 -Papers, cartons, thermocol, plastic, polythene bags, glasses etc.</td> <td rowspan="2">1400</td> <td rowspan="2">Organic waste and In organic waste will be collected in different buckets.</td> <td rowspan="2">The recyclable waste will be sold off to recyclers. The non recyclable solid waste generated will be transferred to the nearest collection point of AMC.</td> </tr> <tr> <td>Wet waste -Waste vegetable and food</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • 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 • Capacity and no. of community bins to be placed within premises: No of Bins: 132, Volume of Bins: 80 Lit each • Landfill site where waste will be ultimately disposed by local authority: Final disposal through agency approved by AMC. 		Generation (kg/day)	Quantity to be reused (kg/day)	Mode of Disposal / Reuse	Top Soil	25.0	100 % reuse for green belt development	Remaining will be send to the nearest collection point of AMC	Other excavated earth	82.0	80 % reuse for back filling	Construction debris	135.0	30% reuse for internal road sub base & plinth filling.	Steel scrap	10.0	100% reuse	Will be sold to recycler / vendors.	Discarded packing materials	3.0	-	Total solid waste (95 workers x 500 gm/person/day) 47.5 kg/day				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.	1400	Organic waste and In organic waste will be collected in different buckets.	The recyclable waste will be sold off to recyclers. The non recyclable solid waste generated will be transferred to the nearest collection point of AMC.	Wet waste -Waste vegetable and food
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Wet waste -Waste vegetable and food																																				
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,788.0 m² • Parking area requirement for residential units as per GDCR: 3,788.0 m² • Total number of CPS requirement for the project as per NBC :528 • Number of CPS requirement for residential units as per NBC: 528 • Total Parking area provided (m²) & No. of CPS: 6,416.46 m² & 255 CPS • Parking area provided in hollow plinth (m²) & No. of CPS: 3,024.86 m² & 108 CPS • Parking area provided as open surface (m²) & No. of CPS: 3,391.60 & 147 CPS. 																																		

16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 12.0 m • Number of Entry & Exit provided on approach road/s: One gate will be provided. • Width of Entry & Exit provided on approach road/s: 9.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads: 9 m & 6 m 				
17.	Details of Green Building measures proposed.	Use of transformers and motors having minimum efficiency of 85%, use of CFL or solar light in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement, tree plantation, rain water harvesting through ground water recharge etc.				
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: • Maximum demand: 1000 KW • Connected load: 1000 KW • Source: Torrent Power Limited • Energy saving measures: Use of transformers and motors having minimum efficiency of 85%, use of CFL or solar light in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement etc. • DG Sets: Not proposed. 				
19.	Fire and Life Safety Measures	Underground fire water tank of 100 KL, overhead water tank of 20 KL on each block, fire extinguishers in each block etc.				
20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase & Lift	Width of the staircase	Travel distance (m)
	A1 To A20	HP + 6	260.88 each	1 + 1	1.5	Less than 25
	B1 To B4	HP + 6	130.60 each	1 + 1	1.5	Less than 25
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 10 m below ground level • No. & dimensions of RWH tank(s) : 1no (2m x 2m x 2.5m) • No. and depth of percolations wells : 5 nos • Details on Pre-treatment facilities : Filtration & oil & grease removal. 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 800 • Area covered by shrubs and bushes (m²):200 • Lawn covered area (m²): 287.02 • Total Green Area (m²): 1287.02 • Green Area % of plot area: 6 % • No. of trees and species to be planted: 281 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budget allocation of Rs. 10.5 lacs for waste management, water conservation, green belt development, rain water harvesting etc.				
24.	Proposed dust control measures during the construction	Covering the material with tarpaulin during storage & transportation, water sprinkling etc.				

	phase	
25.	Eco friendly building material usage details.	Use of Ready Mix Concrete (RMC), lead free paints etc.
26.	Details of basic amenities to be provided to construction workers.	Sanitation & drinking water, first aid facilities etc.

During the meeting, it was presented that the proposed project will comprise of all the Low Income Group housing units of 1BHK. The committee was of the view that provision of STP & parking area provision as per NBC norms should not be insisted upon in such project housing all the housing units of 1 BHK for Economically Weaker Section. After discussing various aspects of the project, it was decided to consider the project only after verifying distance between the project site and the nearest TSDG site and submission of the following:

1. Exact aerial distance of the proposed project site from the nearest TSDF site.
2. Land possession documents showing the ownership of land by the project proponent.

29	Affordable housing scheme by Ahmedabad Municipal Corporation.	S. No. 1, F.P. 223/P+221/P, T.P. 8, Asarwa, Ahmedabad	Screening & scoping / appraisal.
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Details of the project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/51115/2016]
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 Project to be developed under Gujarat Slum Rehabilitation Policy-PPP-2013
5.	Name of Developer	Ahmedabad Municipal Corporation Architect: Nila Infrastructures Ltd.,
6.	Estimated Project Cost (Rs. In Crores)	Rs . 42 Crores
7.	Whether construction work has been initiated at site? If yes, details thereof	No

8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 8003.00 FSI area Used (m²): 20587.27 Total BUA (m²): 29509.28 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area, m²</td> <td>24009.0</td> <td>20587.27</td> </tr> <tr> <td>Ground Coverage, m²</td> <td>-</td> <td>3,664.29</td> </tr> <tr> <td>Common Plot Area, m²</td> <td>640.24</td> <td>640.29</td> </tr> <tr> <td>Max. building height, m</td> <td>-</td> <td>29.85</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area, m ²	24009.0	20587.27	Ground Coverage, m ²	-	3,664.29	Common Plot Area, m ²	640.24	640.29	Max. building height, m	-	29.85																		
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9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 2 No. of Blocks: 2 Scope of buildings/blocks: Ground floor (parking & shops) + 7 floors. No. of Residential Units: 588 No. of Commercial Units: 22 Details of amenities if any: Anganvadi 																																	
10.	No. of expected residents / users	588 units x 6 person = 3528 22 unit x 3 person = 66																																	
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 46.3 Source of water: Water supply from AMC Waste water generation quantity (KL/day): 5.0 Mode of disposal: AMC drainage line Details of reuse of water, if any: No 																																	
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 484 Source of water: Water supply from AMC Waste water generation quantity (KL/day): 384 Mode of disposal: Disposal into AMC drainage line. 																																	
13.	Status of water supply and drainage line	Water supply & drainage lines already exist at the project site.																																	
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></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>20.0</td> <td>100 % reuse for green belt development</td> <td rowspan="3">Remaining will be send to the nearest collection point of AMC</td> </tr> <tr> <td>Other excavated earth</td> <td>75.0</td> <td>80 % reuse for back filling</td> </tr> <tr> <td>Construction debris</td> <td>130.0</td> <td>30% reuse for internal road sub base & plinth filling.</td> </tr> <tr> <td>Steel scrap</td> <td>10.0</td> <td>--</td> <td rowspan="2">Will be sold to recycler / vendors.</td> </tr> <tr> <td>Discarded packing materials</td> <td>3.0</td> <td>-</td> </tr> <tr> <td colspan="4" style="text-align: center;">Total solid waste (100 workers x 500 gm/person/day) 50 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></td> <td>Organic</td> <td>The recyclable waste will be</td> </tr> </tbody> </table>		Generation (kg/day)	Quantity to be reused (kg/day)	Mode of Disposal / Reuse	Top Soil	20.0	100 % reuse for green belt development	Remaining will be send to the nearest collection point of AMC	Other excavated earth	75.0	80 % reuse for back filling	Construction debris	130.0	30% reuse for internal road sub base & plinth filling.	Steel scrap	10.0	--	Will be sold to recycler / vendors.	Discarded packing materials	3.0	-	Total solid waste (100 workers x 500 gm/person/day) 50 kg/day				Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste		Organic	The recyclable waste will be
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		<p>-Papers, cartons, thermocol, plastic, polythene bags, glasses etc.</p> <p>Wet waste -Waste vegetable and food</p>	1000	<p>waste and In organic waste will be collected in different buckets.</p>	<p>sold off to recyclers. The non recyclable solid waste generated will be transferred to the nearest collection point of AMC.</p>
		<ul style="list-style-type: none"> • 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 • Capacity and no. of community bins to be placed within premises: No of Bins: 74 Res. + 3 Com.; Volume of Bins: 80 Lit each • Landfill site where waste will be ultimately disposed by local authority: Final disposal through agency approved by AMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 2,452.36 m² • Parking area requirement for residential units as per GDCR: 2,211.64 m² • Parking area requirement for Commercial units as per GDCR: 240.72 m² • Total number of CPS requirement for the project as per NBC :299 • Number of CPS requirement for residential units as per NBC: 294 • Number of CPS requirement for commercial units as per NBC:5 • Total Parking area provided (m²) & No. of CPS: 3,463.64 m² & 129 CPS • Parking area provided in basement (m²) & No. of CPS: --- • Parking area provided in hollow plinth (m²) & No. of CPS: 2,753.34 m² & 98 CPS • Parking area provided as open surface (m²) & No. of CPS: 711.29 & 31 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18.0 m • Number of Entry & Exit provided on approach road/s: 1 gate will be provided. • Width of Entry & Exit provided on approach road/s: 9 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads: 7.5 & 9.0 m 			
17.	Details of Green Building measures proposed.	<p>Use of transformers and motors having minimum efficiency of 85%, use of CFL or solar light in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement, tree plantation, rain water harvesting through ground water recharge etc.</p>			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: by Torrent Power Maximum demand: 1000 KW Connected load: 1000 KW • Source: Torrent Power • Energy saving measures: Use of transformers and motors having minimum efficiency of 85%, use of CFL or solar light in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement etc. • DG Sets: Not proposed. 			
19.	Fire and Life Safety Measures	<p>Underground fire water tank of 100 KL, overhead water tank of 20 KL on each block, fire extinguishers in each block etc.</p>			

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase & Lift	Width of the staircase	Travel distance (m)
	A 1	HP + 7	1504.60	4 + 4	1.5	Less than 25
B 1	HP + 7	1367.66	4 + 4	1.5		
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 10 m below ground level • No. & dimensions of RWH tank(s) : 1no (8 m x 5m x 2.5m) • No. and depth of percolations wells : 3 nos • Details on Pre-treatment facilities : filtration. 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 480.57 • Area covered by shrubs and bushes (m²):120 • Lawn covered area (m²): 360.57 • Total Green Area (m²): 961.14 • Green Area % of plot area: 6 % • No. of trees and species to be planted: 121 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budget allocation of Rs. 10.5 lacs for waste management, water conservation, green belt development, rain water harvesting etc.				
24.	Proposed dust control measures during the construction phase	Covering the material with tarpaulin during storage & transportation, water sprinkling etc.				
25.	Eco friendly building material usage details.	Use of Ready Mix Concrete (RMC), lead free paints etc.				
26.	Details of basic amenities to be provided to construction workers.	Sanitation & drinking water, first aid facilities etc.				
27.	Documents related to land possession.	Work order from Ahmedabad Municipal Corporation to M/s Nila Infrastructure for development of the proposed slum rehabilitation project has submitted.				
<p>During the meeting, it was observed that the project proponent has submitted a copy of NOC obtained from Airports Authority of India for permissible building height of 54.7 m above ground level. It was presented that the proposed slum rehabilitation project will be developed through Public Private Partnership under Gujarat Slum Rehabilitation Policy-PPP-2013 . After discussing, various aspects regarding the project, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.</p>						
30	Om Shanti Estate	S.No.479-B, F.P.No.15/(1+2)/1, O.P.No.15/(1+2), T.P.S.No.58 (Vatva Outfield), Vatva, Ahmedabad.			EC amendment case.	

The SEIAA, Gujarat has accorded environmental clearance to M/s Om Shanti Estates Pvt. Ltd. for the residential cum commercial building construction project at S.No.479-B, F.P.No.15/(1+2)/1, O.P.No: 15/(1+2), T.P.S.No.58, Vatva, Ahmedabad vide order no. SEIAA/GUJ/EC/8(a)/4229/2015 dated 15/12/2015 for the built up area of 55,124.56 m².

The project proponent vide their letter dated 15/02/2016 along with revised Form-I & Form-IA requested for amendment of Environmental Clearance order dated 15/12/2015.

The request of the amendment in the Environmental Clearance order dated 15/12/2015 was considered during the meeting. Details of the project as per the EC granted and details of the project after the proposed changes, as presented before the committee, are tabulated below:

S. No	Description	As per EC granted.	Revised Details
1.	Name of the developer	Om Shanti Estates Pvt. Ltd.	Om Shanti Estates Pvt. Ltd.
2.	Location address	S.No.479-B, F.P.No.15/(1+2)/1, O.P.No:15/(1+2), T.P.S.No.58, Vatva, Ahmedabad	S.No.479-B, F.P.No.15/(1+2)/1, O.P.No:15/(1+2), T.P.S.No.58, Vatva, Ahmedabad
3.	Plot / Land area in m ²	15,594	15,594
4.	Built up area in m ²	55,124.56	53,706.53
5.	Permissible Floor Area in m ²	42,103.8	42,103.8
6.	Proposed Floor Area in m ²	37,819.41	41,125.90
7.	Ground coverage in m ²	6,829.63	7,289.01
8.	Basement Area in m ²	0	0
9.	Parking area required as per GDR in m ²	8,031.79	8,762.48
10.	Parking area required as per NBC in ECS	291	411
11.	Hollow Plinth area/stilts in m ²	6,205.96	6,624.41
12.	Parking area provided m ² & no. of CPS	HP area 6,205.96 m ² (221ECS) Open Parking 2,320.14 m ² (100 ECS) Total Area 8,526.10 m ² (321 ECS)	HP: 6,624.41 m ² (236 ECS) Open level -4,267.54 m ² (185 ECS) Total Area-10,891.95 m ² Total – 421 ECS
13.	Number of Residential units	517	750
14.	Number of Commercial units	70	68
15.	Height of Building	25	25
16.	Number of Floor	G/HP + 7	G/HP + 7
17.	Number of Block	11	11
18.	Water consumption in	335.79	475.21

	KL/day		
19.	Wastewater generation in KL/day	260.49	375.18
20.	Solid waste generation KL/day	1.5	2.1
21.	Total green belt area (sq.m.)	2,263.21	1,560.0
22.	Tree covered area (sq. m.)	500.0	500.0
23.	Lawn & shrub covered area(sq. m.)	1,763.21	1,060.0

During the meeting, while asking by the committee, it was presented that looking to the market scenario in the area, they have increased the number of flats but with smaller sizes to make them affordable by people of low income group. Size of the flats are smaller compared to the earlier ones and number of commercial units are decreasing, hence the built up area of the project is decreasing. Looking to the fact that the proposed changes in the project will have negligible impacts in terms of resource requirement & waste generation, after detailed deliberation, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

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.	"Nirma Housing Colony" at S.No.194 & 195/P, Vartej, Bhavnagar proposed by M/s. Nirma Ltd.
2.	Building Construction Project at B.No.514, F.P.No.89, O.P.No.81, T.P.S.No.20, Puna, Dist: Surat proposed by Mr. Kanubhai D Gabani.
3.	Karnavati Premier Living, F.P.No.52, S.No.53/B, 54/2/B, D.T.P.S.No.80, Village: Bhat, Dist: Gandhinagar.
4.	Shapers Buildcon, F.P.No.40+44, BL.No.14, T.P.S.No.75, Hanspura-Muthiya, Ahmedabad
5.	KSB Olympia, B.No.171, F.P.No.2, O.P.No.2, T.P.S.No.56, Bamroli, Choryasi, Surat.
6.	Saransh Ambience (Chanchal Infr. Pvt. Ltd.), F.P. No.41, Vill : Vasana, Ta : City , Dist : Ahmedabad
7.	Happy Goldmines Shoppers by Rasikbhai Lavjibhai Patel, F.P.No.104/2, O.P.No.104/2, R.S.No.35/2, T.P.S.No.29(Vesu-Rundh-Magdalla), Moje: Rundh, Ta: Majura, Dist: Surat.
8.	RSPL Ltd., Near village Kuranga, Ta: Dwarka, Dist: Devbhumi Dwarka.
9.	Arjun Sky Life proposed by Sahjanand Sky Infra World LLP., S.No.677/P, 649/1, 650, F.P.No.40,18/3, Sola, Ahmedabad.
10.	Gujarat Housing Board, Block No.314/A, 314/B, O.P.No.3/1,3/2, F.P.No.3/1/1, 3/2/2, Draft T.P.S.No.94, Hathijan – Ropda, Ahmedabad.
11.	Residential building construction project by HN Safal Goyal Realty LLP, Block No. 451/2/1, 451/2/2, F.P.No.347, T.P.S.No.204 (Sarkhej + Okaf + Makarba + Vejalpur + Ambli), Makarba, Ahmedabad.

12.	Sharda Residency, R.S.No528/B, T.P.S.No.52, Ambali, Ahmedabad
13.	Orabell Bungalows, Block No. 337,338,339,340,341, Village: Kamrej, Dist: Surat.
14.	Central Bazzar Veneziano, T. P.S.No.: 1, R. S. No: 53/1, O. P. No: 71/1, F. P. No - 130, Vesu, Surat.
15.	Laxmi Nivas, S.No.597/2,606,618, FP.No.45/1,53,58/2, TPS No.80, Narol, Ahmedabad.
16.	Phoenix Towers (Someshwar Building The Trust), T.P.S.No.6, R.S.No.299/1, O.P.No.28/2, F.P. No. 2, Village: Vesu, Ta:Choryasi, Dist:Surat.
17.	Raj Textile Market, Block No. 87, O.P.No.49, F.P.No.54 (as per draft), Block No.87/A, O.P.No.49/1, F.P.No.69 (as per preli.), T.P.S.No.19 (Parvat-Magob), Ta: Choryasi, Dist: Surat.

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 R. I. Shah, Member, SEAC.
6.	Dr. Mayuri Pandya, Member, SEAC.
7.	Shri Hardik Shah, Secretary, SEAC.