

Minutes of the 279th meeting of the State Level Expert Appraisal Committee held on 17/02/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 279th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 17th February, 2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar. Following members attended the meeting:

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

The agenda of TOR/Scoping/Category 8 (a) cases was taken up. Total Twenty two (22) cases of screening & scoping /appraisal of project / activity no. 8 were taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1 and Form-1A.

1.	Building construction project by Mr. Malay B. Patel.	S.No.33+34/p, F.P.No.33+34, T.P.S.No.48, Koteswar, Gandhinagar.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/33688/2015]
2.	Type of Project	Residential & commercial project
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Building construction project by Mr. Malay B Patel
5.	Name of Developer	Mr. Malay B. Patel
6.	Estimated Project Cost (Rs. In Crores)	55 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): 8,550.0 FSI area (m²):28,020.34 Total BUA (m²):39,789.60 <table border="1" data-bbox="384 331 1278 510"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>28,020.34</td> <td>28,020.34</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>2,726.43</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>855.00</td> <td>858.38</td> </tr> <tr> <td>Max. building height (m)</td> <td>45</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	28,020.34	28,020.34	Ground Coverage (m ²)	---	2,726.43	Common Plot Area (m ²)	855.00	858.38	Max. building height (m)	45	45													
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9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:4 No. of Blocks:4 Scope of buildings/blocks: 2 buildings – basement + ground floor (parking & shops)+12 floors, 2 buildings – basement + hollow plinth + 12 floors. No.& size of Residential Units:188 flats No. & type of Commercial Units:--46 Shops 																												
10.	No. of expected residents / users	Resi.-1000 users including floating population Shops – 92 fixed & about 138 visitors.																												
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):30.0 Source of water: Water supply from AUDA. Waste water generation quantity (KL/day):4.5 Mode of disposal: Into septic tank & soak pit Details of reuse of water, if any:N.A. 																												
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day):140.0 Source of water: Water supply from AUDA. Waste water generation quantity (KL/day):120.0 Mode of disposal: Into drainage line of AUDA. 																												
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by AUDA.																												
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="384 1402 1386 1917"> <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>75000</td> <td>75000</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" data-bbox="384 1984 1386 2074"> <thead> <tr> <th>Type of waste</th> <th>Generation</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 (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil Other excavated earth	75000	75000	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	Mode of waste collection	Mode of Disposal / Reuse				
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			Quantity (Kg/day)		
		Dry waste	489	Into bins to be provided within premises.	Door to door waste collection system of AMC / AUDA.
		Wet waste	326	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:N.A. • Capacity and no. of community bins to be placed within premises:Total 24 bins with 80 lit capacity will be provided for residential blocks & 6 bins with 80 lit capacity will be provided for commercial units. • Landfill site where waste will be ultimately disposed by local authority: At the nearest MSW collection point of AMC/AUDA. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:5,152.10 m². • Parking area requirement for residential units as per GDCR: 4,470.34 m². • Parking area requirement for Commercial units as per GDCR: 681.76 • Total number of CPS requirement for the project as per NBC:211 CPS • Number of CPS requirement for residential units as per NBC: 188 CPS • Number of CPS requirement for commercial units as per NBC:23 • Total Parking area provided (m²) & No. of ECS:6,710.74 m² & 232 ECS • Parking area provided in basement (m²) & No. of ECS:3,835.39 m² & 120 ECS • Parking area provided in hollow plinth (m²) & No. of ECS:1,743.1 m² & 62 ECS • Parking area provided as open surface (m²) & No. of ECS:1,131.65 m² & 50 ECS 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24 m wide road. • Number of Entry & Exit provided on approach road/s: one gate is proposed. • 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):6 m • Width of all internal roads:7.5 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 Limited • Maximum demand: 1000 KVA • Connected load: 2000 KVA • Source: Torrent Power Limited • Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc. • DG Sets: • No. and capacity of the DG sets:1 x 150 KVA • Fuel & its quantity:HSD-50 lit/hr 			
19.	Fire and Life Safety	<ul style="list-style-type: none"> • Dedicated underground & terrace water tanks for fire fighting, fire 			

	Measures	<p>extinguishers, fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, first aid box, displaying of important telephone numbers etc.</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: 10 minutes. 																				
20.	Details on staircase:	<table border="1"> <thead> <tr> <th>Type of block</th> <th>Floor area (m²)</th> <th>Number of Stair case</th> <th>Width of Stair case in m</th> <th>Distance of stair case from the farthest corner</th> </tr> </thead> <tbody> <tr> <td>Block A +B</td> <td>1004.16</td> <td>1</td> <td>2.1</td> <td><30 m</td> </tr> <tr> <td>Block C</td> <td>552.08</td> <td>1</td> <td>2.1</td> <td><30 m</td> </tr> <tr> <td>Block D</td> <td>552.08</td> <td>1</td> <td>2.1</td> <td><30 m</td> </tr> </tbody> </table>	Type of block	Floor area (m ²)	Number of Stair case	Width of Stair case in m	Distance of stair case from the farthest corner	Block A +B	1004.16	1	2.1	<30 m	Block C	552.08	1	2.1	<30 m	Block D	552.08	1	2.1	<30 m
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Block C	552.08	1	2.1	<30 m																		
Block D	552.08	1	2.1	<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):nil No. and depth of percolations wells:3 nos. of percolating wells, 10 m Details on Pre-treatment facilities : -- 																				
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²):858.38 Area covered by shrubs and bushes (m²):-- Lawn covered area (m²):700.00 Total Green Area (m²):1,558.38 Green Area % of plot area:10% No. of trees and species to be planted:130 																				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 14.0 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 26.0 lacs and recurring cost of Rs. 6 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.	N.A order for residential use is in the name of Mr. Babubhai Patel & others through their power of Attorney holder Mr. Malay B. Patel i.e the applicant.																				

During the meeting, the project proponent was suggested to increase the parking provision and to make use of solar energy at the extent possible. After detailed discussion, it was decided to consider the project only after submission of the following:

- Explore the possibility of increasing the parking area provision for the project. Revised detailed on parking area provision based on the actual parking requirement for the commercial units as per NBC norms and considering the increased parking areas.
- Layout plan showing two gates for entry / exit.

3.	Proposal for providing two staircases in the buildings having floor area more than 500 m ² on each floor and plans showing the same.			
4.	Explore the possibility of providing solar street lights, solar panels, solar water heaters etc. and details of the same along with the no. of solar street lights, solar panels, solar water heaters etc. to be provided.			
2.	<table border="1"> <tr> <td>Building construction project by M/s Gala Safal Developers.</td> <td>Block Number 699, 750, 738/b, F.P. No: 157 + 193/2 + 199/p, Draft TPS No: 3, Ghuma, Tehsil: Daskroi, District : Ahmedabad</td> <td>Screening & scoping / appraisal.</td> </tr> </table>	Building construction project by M/s Gala Safal Developers.	Block Number 699, 750, 738/b, F.P. No: 157 + 193/2 + 199/p, Draft TPS No: 3, Ghuma, Tehsil: Daskroi, District : Ahmedabad	Screening & scoping / appraisal.
Building construction project by M/s Gala Safal Developers.	Block Number 699, 750, 738/b, F.P. No: 157 + 193/2 + 199/p, Draft TPS No: 3, Ghuma, Tehsil: Daskroi, District : Ahmedabad	Screening & scoping / appraisal.		

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

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33671/2015]															
2.	Type of Project	Residential Cum Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Residential Cum Commercial															
5.	Name of Developer	Gala Safal Developers															
6.	Estimated Project Cost (Rs. In Crores)	80 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 19,325 Net Plot Area (m²): 11,594.49 FSI area (m²):31,305.12 Total BUA (m²):61,497.77 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>31,305.12</td> <td>31,305.12</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>NA</td> <td>3,582.76</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,159.4</td> <td>1,160</td> </tr> <tr> <td>Max. building height (m)</td> <td>NA</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	31,305.12	31,305.12	Ground Coverage (m ²)	NA	3,582.76	Common Plot Area (m ²)	1,159.4	1,160	Max. building height (m)	NA	45
	Permissible	Proposed															
FSI Area (m ²)	31,305.12	31,305.12															
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Common Plot Area (m ²)	1,159.4	1,160															
Max. building height (m)	NA	45															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:8 residential + 1 commercial No. of Blocks: 8 residential + 1 commercial Scope of buildings/blocks: 8 residential buildings – 2 level basement + hollow plinth + 14 floors. 1 commercial building – 2 level basement + ground floor + 2 floors. No.& size of Residential Units: 387 units No. & type of Commercial Units: 72 shops Details of amenities if any: one society office 															
10.	No. of expected residents / users	1886 occupants and 300 visitors															
11.	Water & waste water details during	<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 															

	construction phase	<ul style="list-style-type: none"> • 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"> • Total water requirement (KL/day): 251.37 • Fresh water requirement (KL/day): 160.44 • Source of water: Water supply from AUDA. • Waste water generation quantity (KL/day): 196.91 • Mode of disposal: Into underground drainage line of AUDA. • In case of STP provision, capacity of STP: Yes, 175 KL/day • STP Technology: Biological • Purposes for treated water utilization: gardening & flushing • Quantity of treated water to be reused: 1. Gardening (KL/day): 5.22, 2. Flushing (KL/day): 85.71 • Provision of dual plumbing system (Yes/No): Yes • Quantity and type (treated/untreated) of water to be discharged: Sewage to be generated will be segregated into the black & grey sewage and grey sewage will be treated in the proposed onsite STP. Treated grey sewage will be reused for gardening & flushing purposes within premises. Only remaining quantity of treated grey sewage along with the untreated black sewage will be discharged into the drainage line of AUDA. • Mode of disposal: As above. 																																								
13.	Status of water supply and drainage line	Available at 150 m from the site.																																								
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		<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 the nearby waste collection point of AUDA/AMC.
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:7195.7 m² • Parking area requirement for residential units as per GDCR: 5637.90 m² • Parking area requirement for Commercial units as per GDCR: 1557.8 m² • Total number of CPS requirement for the project as per NBC :257 • Number of CPS requirement for residential units as per NBC: 194 • Number of CPS requirement for commercial units as per NBC:63 • Total Parking area provided (m²) & No. of CPS: 19,315.7 & 622 CPS • Parking area provided in basement (m²) & No. of CPS:16,117.5 & 503CPS • Parking area provided in hollow plinth (m²) & No. of CPS:2448.2 & 87 CPS • Parking area provided as open surface (m²) & No. of CPS: 750 & 32 CPS.
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: Two 24 m wide roads • Number of Entry & Exit provided on approach road/s: Three gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m & 4.5 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: 4.5 m, 6.0 m & 7.5 m.
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 12 numbers of solar lighting, roof-top thermal insulation, rain water harvesting & ground water recharge through 3 nos. of percolating wells, STP for grey sewage & reuse of treated grey sewage etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 2750 KVA Connected load: 3000 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. • During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, down comer, automatic sprinkler system in basement, underground static water storage tank-200 KL capacity, terrace tank -80 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc.

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)
	A	G/HP +14	353.57	1	2.0	18
	B	G/HP +14	353.13	1	2.0	18
	C	G/HP +14	353.13	1	2.0	18
	D	G/HP +14	353.57	1	2.0	18
	E	HP + 14	407.29	1	2.0	21
	F	HP + 14	407.81	1	2.0	21
	G	HP + 14	231.44	1	2.0	16
H	HP + 14	406.93	1	2.0	21	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 21 m No. & dimensions of RWH tank(s) : 3 No and 2.5m X 2.0 m X 3.0 m No. and depth of percolations wells : 3 no and 15 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) :400 Area covered by shrubs and bushes (m²):250 Lawn covered area (m²):510 Total Green Area (m²):1160 Green Area % of plot area: 10% No. of trees and species to be planted: 174 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. 54 lacs & Rs. 13 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	Revised distribution form under Gujarat Town Planning & Urban Development Act – 1976 shows that the land has been allocated to M/s Gala Safal Developers.				

During the meeting, the project proponent was suggested to use remaining quantity of treated sewage for development of tree plantation on both the sides of the road outside the premises with permission from the concerned authority and the project proponent was agreed to do so. After detailed discussion, it was decided to consider the project only after submission of the following:

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

statement of the project.

2. Zoning certificate or N.A permission order for the project site showing the permissible use of the project site for residential & commercial use.
3. Details with back up calculation showing that how much of the total energy & water requirement for the project will be compensated through the proposed energy conservation measures & reuse of treated sewage respectively.

3.	Twin Towers (Old Name: Sun City Towers)	R.S.No.26/2,27/p, P.No.1+1&2, F.P.No.31/4, 29/2, T.P.S.No.7, O.P.No. 29, 31/p, Nanamava, Dist: Rajkot.	Screening & scoping.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33157/2015]															
2.	Type of Project	Commercial Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Twin Towers (Old name : Sun City towers)															
5.	Name of Developer	Evercon Developers Ltd.															
6.	Estimated Project Cost (Rs. In Crores)	50 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): 9,706.0 • FSI area (m²):29,234.09 • Total BUA (m²):57,013.68 <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>---</td> <td>29,234.09</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>2,452.00</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>--</td> <td>975.41</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>70</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	---	29,234.09	Ground Coverage (m ²)	---	2,452.00	Common Plot Area (m ²)	--	975.41	Max. building height (m)	---	70
	Permissible	Proposed															
FSI Area (m ²)	---	29,234.09															
Ground Coverage (m ²)	---	2,452.00															
Common Plot Area (m ²)	--	975.41															
Max. building height (m)	---	70															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:3 • No. of Blocks:5 • Scope of buildings/blocks: 2 buildings (4 blocks) – 2 level basement + ground floor + 21 floors, 1 building - 2 level basement + ground floor + 3 floors • No.& size of Residential Units:N.A • No. & type of Commercial Units:--328 Offices & 51 Showrooms. 															
10.	No. of expected residents / users	Resi.-3800 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: Rajkot Municipal Corporation (RMC) water supply • Waste water generation quantity (KL/day):4.5 • Mode of disposal: Into septic tank & soak pit. 															

		<ul style="list-style-type: none"> • 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):140.0 • Source of water:RMC water supply • Waste water generation quantity (KL/day):122.0 • Mode of disposal: Into drainage line of RMC. 																																
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by RMC.																																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil Other excavated earth</td> <td>65,800</td> <td>65,800</td> <td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</td> </tr> <tr> <td>Construction debris</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be used as road sub base within premises.</td> </tr> <tr> <td>Steel scrap</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be sold to vendors.</td> </tr> <tr> <td>Discarded packing materials</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</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>511</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of RMC.</td> </tr> <tr> <td>Wet waste</td> <td>341</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of RMC.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: Total 74 bins with 80 lit capacities will be provided. • Landfill site where waste will be ultimately disposed by local authority: at the nearest MSW collection point of RMC. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil Other excavated earth	65,800	65,800	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	Construction debris	Whatsoever	Whatsoever	Will be used as road sub base within premises.	Steel scrap	Whatsoever	Whatsoever	Will be sold to vendors.	Discarded packing materials	Whatsoever	Whatsoever	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	511	Into bins to be provided within premises.	Door to door waste collection system of RMC.	Wet waste	341	Into bins to be provided within premises.	Door to door waste collection system of RMC.
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse																															
Top Soil Other excavated earth	65,800	65,800	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.																															
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Wet waste	341	Into bins to be provided within premises.	Door to door waste collection system of RMC.																															
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 14,552.65 m². • Parking area requirement for Commercial units as per GDCR: 14,552.65 m². • Total number of CPS requirement for the project as per NBC:292 CPS • Number of CPS requirement for commercial units as per NBC:292 CPS • Total Parking area provided (m²) & No. of CPS:15,096.78 m² & 500 CPS • Parking area provided in 1st basement (m²) & No. of CPS: 6,377.44 m² & 199 CPS • Parking area provided in 2nd basement (m²) & No. of CPS: 6,377.44 m² & 199 																																

		<p>CPS</p> <ul style="list-style-type: none"> • Parking area provided as open surface (m²) & No. of CPS: 2,341.90 m² & 102 CPS. 																				
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 45 m, 12 m & 9 m wide roads. • Number of Entry & Exit provided on approach road/s:--- • Width of Entry & Exit provided on approach road/s:--- • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 6 m. • Width of all internal roads:7.50 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: Paschim Gujarat Vij. Company Ltd. Maximum demand:1500 KVA Connected load:2500 KVA Source: Paschim Gujarat Vij. Company 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 150 KVA Fuel & its quantity:50 lit/hr 																				
19.	Fire and Life Safety Measures	During the operation phase: Underground water tanks- 90 KL x 2 nos., terrace water tank of 20 KL capacity on all the buildings, fire extinguishers, fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, first aid box, displaying of important telephone numbers etc.																				
20.	Details on staircase:																					
	<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 (m)</th> <th>No. of floors</th> </tr> </thead> <tbody> <tr> <td>Block A</td> <td>25.26</td> <td>2</td> <td>2.0</td> <td>2 B + G+ 21</td> </tr> <tr> <td>Block B</td> <td>25.26</td> <td>2</td> <td>2.0</td> <td>2 B + G+ 21</td> </tr> <tr> <td>Block C</td> <td>25.29</td> <td>1</td> <td>2.0</td> <td>2 B + G+ 3</td> </tr> </tbody> </table>	Type of block	Distance of stair case from the farthest corner (m)	Number of Stair case	Width of Stair case (m)	No. of floors	Block A	25.26	2	2.0	2 B + G+ 21	Block B	25.26	2	2.0	2 B + G+ 21	Block C	25.29	1	2.0	2 B + G+ 3	
Type of block	Distance of stair case from the farthest corner (m)	Number of Stair case	Width of Stair case (m)	No. of floors																		
Block A	25.26	2	2.0	2 B + G+ 21																		
Block B	25.26	2	2.0	2 B + G+ 21																		
Block C	25.29	1	2.0	2 B + G+ 3																		
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:--- • No. & dimensions of RWH tank(s):Nil • No. and depth of percolations wells:4 nos. of percolating wells. • Details on Pre-treatment facilities : -- 																				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²):100.0 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²):900.0 • Total Green Area (m²):1000.0 • Green Area % of plot area:10% • No. of trees and species to be planted:147 																				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 14.5 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 25.3 lacs and recurring cost of Rs. 5.5 lacs has been proposed for installation of energy efficient appliances, green belt development, rain water harvesting & ground water recharge, waste water																				

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

During the meeting, it was presented that they have applied for obtaining environmental clearance for the project named "Sun City Towers", but they now want to change the name of the project to "Twin Towers". While asking by the committee, it was clarified that the project developer as well as the project proponent/applicant remains unchanged as mentioned in the application form. The request of change in the project name was considered by the committee. Fire fighting measures proposed by them were discussed during the meeting and it was presented that automatic sprinklers will be provided in entire buildings. The project proponent was suggested to make use of solar energy in the form of solar street lights, solar water heaters, solar panels etc. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Copy of permission obtained from Airports Authority of India for the proposed building height.
2. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical parameters etc. along with the budget allocation for its installation, operation & maintenance. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan, STP sludge management plan etc.
3. Revised water balance details considering the reuse of treated sewage for purposes like flushing, gardening etc. within premises.
4. Layout plan showing the entry & exit gates, width of entry & exit, ramps to basement & width of ramps.
5. Floor area details on each floor of all the buildings, requirement & provision of staircases as per the requirement of GDCR & NBC norms, details on travel distance of the staircase from the farthest corner of the floor as well as between the two consecutive staircases, details of the exits and staircases on each floor in high rise buildings for evacuation from the top level to the street level along with floor wise evacuation plan in case of emergency etc.
6. 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 in all the buildings. Details on provision of refuge area/ skip floor as per the requirement of NBC.
7. Land possession documents showing ownership of land of all the survey numbers / F.P. Numbers by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site for commercial use or a copy of documents showing the correspondences made in this regard and copy of agreement made between the land owners & developers (if any).
8. Structural stability certificate showing that the buildings will be designed considering seismic zone-IV.
9. Perspective view of the building(s) to be constructed along with the materials used such as fibers, glass, etc. on the facades or external walls and the impacts thereof on the nearby buildings / residents due to heat island effect and emissions from the air conditioning systems.

10. 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. Measures proposed to comply with the ECBC norms / other international norms proposed for energy conservation. Details with back up calculation showing that how much of the total energy requirement of the proposed high rise buildings of the project will be compensated by the proposed energy conservation measures.

4.	Building construction project by Dilipbhai D. Patel.	B. No.43, F.P.No.45, O.P.No.40, T.P.S. No- 17 (Puna), Dist.-Surat	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33637/2015]															
2.	Type of Project	Residential & Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Building construction project by Mr. Dilipbhai D. Patel															
5.	Name of Developer	Mr. Dilipbhai D. Patel															
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): 13,175.0 FSI area (m²): 26,501.43 Total BUA (m²): 41,806.72 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>29,446.04</td> <td>26,501.43</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>5,731.04</td> <td>5,727.12</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,317.50</td> <td>1,318.05</td> </tr> <tr> <td>Max. building height (m)</td> <td>45</td> <td>17.95</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	29,446.04	26,501.43	Ground Coverage (m ²)	5,731.04	5,727.12	Common Plot Area (m ²)	1,317.50	1,318.05	Max. building height (m)	45	17.95
	Permissible	Proposed															
FSI Area (m ²)	29,446.04	26,501.43															
Ground Coverage (m ²)	5,731.04	5,727.12															
Common Plot Area (m ²)	1,317.50	1,318.05															
Max. building height (m)	45	17.95															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 10 Nos. No. of Blocks: 18 Nos. Scope of buildings/blocks: Basement + ground floor (parking & shops) + 5 floors, & size of Residential Units: 352 Nos. (2 BHK- 140 & 3 BHK -212) No. & type of Commercial Units: 24 Nos. of Shops Details of amenities if any: No 															
10.	No. of expected residents / users	1584 nos. residential users, 24 Commercial 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): 222.0 • Source of water: water supply from S.M.C • Waste water generation quantity (KL/day): 174,0 • Mode of disposal: Disposed through SMC underground sewer line. 																															
13.	Status of water supply and drainage line	SMC water supply and underground sewer 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>20,653</td> <td>20,653</td> <td rowspan="3">Excavated surplus earth and construction debris will be refilled at low lying areas in the project premises and top soil will be used for greenbelt development.</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>5.04 MT</td> <td>Disposal to recycler</td> </tr> <tr> <td>Discarded packing materials</td> <td>1 MT</td> <td>--</td> <td>Disposal to recycler</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td rowspan="2">978 Kg</td> <td rowspan="2">Into bins to be provided within premises</td> <td rowspan="2">Disposal through door to door waste collection system SMC</td> </tr> <tr> <td>Wet waste</td> </tr> </tbody> </table> <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 transported from transfer station reaches to the final disposal site at Khajod 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	20,653	20,653	Excavated surplus earth and construction debris will be refilled at low lying areas in the project premises and top soil will be used for greenbelt development.	Other excavated earth			Construction debris	48	48	Steel scrap	5.6 MT	5.04 MT	Disposal to recycler	Discarded packing materials	1 MT	--	Disposal to recycler	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	978 Kg	Into bins to be provided within premises	Disposal through door to door waste collection system SMC	Wet waste
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Dry waste	978 Kg	Into bins to be provided within premises	Disposal through door to door waste collection system SMC																														
Wet waste																																	
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 4,083.51 m² • Parking area requirement for residential units as per GDCR: 3,866.93 m² • Parking area requirement for Commercial units as per GDCR: 216.58 m² • Total number of CPS requirement for the project as per NBC:190 nos. 																															

		<ul style="list-style-type: none"> • Number of CPS requirement for residential units as per NBC: 176 nos. • Number of CPS requirement for commercial units as per NBC: 14 nos. • Number of CPS requirement as per NBC for (specify in case of any other): NA • Total Parking area provided (m²) & No. of ECS: 13,221.64 m², 445 nos. • Parking area provided in basement (m²) & No. of ECS: 7,382.14 m², 231 nos • Parking area provided in hollow plinth (m²) & No. of ECS: 5,023.32 m², 179 nos. • Parking area provided as open surface (m²) & No. of ECS: 816.18 m², 35 nos. 					
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18 m & 15 m wide roads • Number of Entry & Exit provided on approach road/s: 2 nos. of gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3.0 m • Width of all internal roads: 7.5 m & 4.5 m & 3.0 m 					
17.	Details of Green Building measures proposed.	Maximum utilization of natural light, CFL and LED lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [cement + fly ash + air mixture] will be used to reduce heat stress inside building, ground water recharge through rain water harvesting, sufficient tree cover etc.					
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply Maximum demand: 1500 KW Connected load: -- Source: D.G.V.C.L • Energy saving measures: Maximum utilization of natural light, CFL and LED lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [cement + fly ash + air mixture] will be used to reduce heat stress inside building etc. • DG Sets No. and capacity of the DG sets 1 x 125 KVA Fuel & its quantity: Diesel & 8 lit/hr. 					
19.	Fire and Life Safety Measures	Fire extinguisher, sprinkler system and fire hydrant systems will be proposed for fire safety					
20.	Details on staircase						
	Name of Building	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase(m)	Travel distance (m)
	A	Single	G + 5	319.76	01	1.22	<30
	B & C	Joint	G + 5	638.03	02	1.22	<30
	D & E	Joint	G + 5	638.03	02	1.22	<30
	F	Single	G + 5	245.53	01	1.22	<30
	IJ-KL-MN	Joint	G + 5	500.75	02	1.22	<30

	GH-OP- QR	Joint	G + 5	646.34	02	1.22	<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 : 4 nos. • Details on Pre-treatment facilities : Gravity filter, MOC: PE 																														
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 346.40 • Area covered by shrubs and bushes (m²): inclusive in lawn covered area • Lawn covered area (m²): 738.24 • Total Green Area (m²): 1084.64 • Green Area % of plot area: 8 % • No. of trees and species to be planted: 115 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 the construction workers.	Sanitation facility, drinking water & tap water, soak pit for domestic waste water collection, first aid box, free medicine, doctor service, PPEs etc.																														
27.	Documents related to land possession.	Village form no. 7 & 12 submitted by them shows that agricultural land is in the name of applicant. Copy of application made for obtaining N.A permission has been submitted.																														

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

5.	Dandi – The Leisure & Entertainment World	Block No. 610, 612, 620, 630, 632, 634, 644, 649, 652, 655, 657, - A, 657 - B, 664 To 666, 668, 670, 672, 674 to 687, 691, 692, 696, 697, Village: Dandi, Ta: Jalalpore, Dist: Navsari.	Screening & scoping.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No	Particulars	Details
1.	Proposal isfor	New Project[SIA/GJ/NCP/33007/2015]
2.	Type ofProject	Proposed Construction Project
3.	Project / Activity	8(a)

	No. [8(a) or 8(b)]																												
4.	Name of the project	Dandi – The Leisure & Entertainment World																											
5.	Name of Developer	Mr. Ashok Dalal																											
6.	Estimated Project Cost (Rs. In Crores)	Rs. 485.93 crores																											
7.	Whether construction work has been initiated at site? If yes, details thereof	No																											
8.	Project Details	<table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Title</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Plot / Land Area</td> <td>1,24,487.00 m²</td> </tr> <tr> <td>2.</td> <td>Built-Up Area</td> <td>27,238.88 m²</td> </tr> <tr> <td>3.</td> <td>FSI Area</td> <td>21,017.20 m²</td> </tr> <tr> <td>4.</td> <td>Ground Coverage</td> <td>20,633.81 m²</td> </tr> <tr> <td>5.</td> <td>Basement Area</td> <td>---</td> </tr> <tr> <td>6.</td> <td>Hollow Plinth Area</td> <td>---</td> </tr> <tr> <td>7.</td> <td>Parking Area</td> <td>9,689.78 m²</td> </tr> <tr> <td>8.</td> <td>Greenbelt Area</td> <td>64,250.55 m²</td> </tr> </tbody> </table>	Sr.No.	Title	Details	1.	Plot / Land Area	1,24,487.00 m ²	2.	Built-Up Area	27,238.88 m ²	3.	FSI Area	21,017.20 m ²	4.	Ground Coverage	20,633.81 m ²	5.	Basement Area	---	6.	Hollow Plinth Area	---	7.	Parking Area	9,689.78 m ²	8.	Greenbelt Area	64,250.55 m ²
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9.	Building Details	Buildings for Museum, Ticket counter, Aquarium, Indoor games-gym-spa, Children day care, Amphitheater, Cafeteria, Paddle boating, Administration, Club house with swimming pool for villas, 2 nos. of banquet halls are of ground floor only. Buildings accommodating villas, studio apartments, club house for studio houses and service staff will be of Ground floor + 1 floor.																											
10.	No. of expected residents / users	4500 Nos. including visitors, service staff & villa																											
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Source of water: Sweet Water Lake • Water requirement(KL/day): 10.0 • Waste water generation quantity(KL/day): 3.60 • Mode of disposal: Soak Pit 																											
12.	Water & waste details during operation phase	<ul style="list-style-type: none"> • Source of water: Sweet Water Lake • Water requirement(KL/day): 1,200.0 (Domestic: 900 KL/day + Gardening: 300 KL/day) • Sewage generation quantity(KL/day): 720.0 • Mode of disposal: Sewage shall be treated in proposed STP of 1000 KLD and treated sewage shall be reused for flushing and gardening purpose. 																											
13.	Status of water supply and drainageline	<ul style="list-style-type: none"> • Source of water: Sweet Water Lake • Treated sewage will be completely reused within premises. 																											

14.	Solid waste Management	<p>During Construction Phase</p> <ul style="list-style-type: none"> • Estimated Qty. Generation: (100 x 600 gm/Person/Day) = 60 kg/day • Separate bins shall be provided for collection of Municipal Solid Waste (MSW) at different places and the same shall be disposed off to Dandi Gram Panchayat where Municipal Solid Waste is being collected.. • The Construction waste shall consist of construction debris along with cement bags, steel scrap, packing materials etc. Construction Debris shall be reused for back filling and internal road development. Steel scrap shall be sold to authorized recyclers. Cement bags, packing material, etc., shall be sold off to authorized recyclers. • The Proposed Ground level is 0.15 m high than the existing level. Thus, it will require [1,24,487.00 m² X 0.15 m = 18,673.05 m³] extra earth to raise plot area. The said earth will be arranged from other site. The proposed building will be developed on open plain land, thus no major cutting will be required. The excavated earth will be used for back filling and green belt development. • Top Soil will be used for Greenbelt development. <p>During Operation Phase</p> <table border="1" data-bbox="459 819 1350 958"> <tr> <td>Organic waste</td> <td>Waste vegetables and food</td> </tr> <tr> <td>Inorganic waste</td> <td>Papers, Cartons, Thermocol, Plastics, Polythene bags, Glass etc,</td> </tr> </table> <p>❖ Estimated Qty. Generation: (A) For Residential: 4,500 population including visitors, service staff and villa x 600 g/person/d = 2,700.0 kg/d</p> <p>❖ Separate bins shall be provided for collection of Municipal Solid waste at ground floor at specific locations of the proposed project.</p> <p>❖ The above MSW shall be disposed off to Dandi Gram Panchayat where Municipal Solid Waste is being collected, treated and converted in to compost.</p>	Organic waste	Waste vegetables and food	Inorganic waste	Papers, Cartons, Thermocol, Plastics, Polythene bags, Glass etc,					
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As per GDCR (m ²)	6,939.00	9,689.78									
As per NBC (Nos.)	CPS – 195	ECS – 421									
16.	Traffic Management	---									
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, provision of STP & reuse of treated sewage etc.									
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 4000 KVA Connected load: Source: Dakshin Gujarat Vij Company Limited (DGVCL). • DG Sets: No. and capacity of the DG sets: 1 x 1500 KVA & 1 x 2500 KVA Fuel & its quantity: HSD, 300 litre/hr <p>Energy Conservation measures</p>									

		<ul style="list-style-type: none"> • Maximum use of natural light is an integral part of the architectural design. • Thermal insulation shall be provided on roof top to conserve energy. • Proper orientation of buildings shall be done to get maximum advantage of natural ventilation, wind direction and light. • White Tiles shall be used on terrace floor to reduce heat. • Solar based LED lights shall be used in landscaped and drive way areas. The poles can be arranged either on one side of the road or in a staggered manner. • Bollard LED light shall be used in walk way areas. • LED/CFL lighting fixtures shall be used in the common areas for energy saving. • Appropriate design to shut out excess heat and maintain indoor air quality.
19.	Fire and Life Safety Measures	Distance of the nearest fire station located near Dudhiya Talav in Navsari City is @ 15.50 km in NE direction from the proposed project site and it will take 30 min. to reach the proposed project site in case of any emergencies.
20.	Details onstaircase	---
21.	Rain Water Harvesting (RWH)	---
22.	Green area details	Greenbelt area: 4,162.00 m ² area.
23.	Budgetary allocation for Environmental Management Plan (Rs. inlacs)	Rs. 2 – 3 Crores.
24.	Proposed dust control measures during the construction phase	<ul style="list-style-type: none"> • Sprinkling of water for dust suppression. • To avoid dust emission, excavated soil & construction debris shall be sprinkled with water and kept moist. • Construction material storage area shall be covered with tarpaulin sheets. • Trucks used for transportation of construction material shall be covered to avoid dust dispersion at site. • Personal Protective Equipment shall be provided. • Project site boundary shall be barricaded with sheet of 15 ft height.
25.	Eco friendly building material usage details.	Fly ash bricks, aerated blocks, paving blocks, RMC, lead free paints etc.
26.	Facilities for construction workers	Drinking water, sanitation facilities, sewage disposal facility, first aid box, free medicines, doctor service etc.

During the meeting, it was found that the project site is at a distance of 200 m from High Tide Line and the project site is adjacent to the Mahatma Gandhi Museum. After detailed discussion, it was decided to appraise the project further only after satisfactory submission of the following:

1. Copy of CRZ map or map prepared by one of the authorized agencies authorized by the MoEF for carrying out the CRZ demarcation, on which the project boundary / facilities are superimposed and clearly indicating the proposed project location.
2. Details regarding status of application for the CRZ clearance.

3. Distance of the project site from the nearest boundary of the Dandi – Eco Sensitive Zone and that the proposed tourism activity is permitted at the proposed site.
4. Copy of license / permission obtained from concerned competent authority / department for setting up of the proposed tourism project.
5. Detailed fresh water consumption & sewage generation quantity based on activities including swimming pool and area of the project as per the NBC norms. Exact source of water supply during operation & construction phase. Permission from the concerned authority for water supply.
6. Complete treated sewage management plan including quantity wise break up of treated sewage utilization during the operation phase of the project.
7. Complete technical details on water treatment plant & management plan for RO reject.
8. Adequacy of open land area available for utilizing of treated sewage for plantation / gardening. Suitability of use of treated sewage on the land with respect to the soil characteristic etc. shall be studied and a report in this regard shall be submitted.
9. Details of storm water management. Detailed plan to manage treated wastewater in monsoon season. How it will be ensured that treated sewage won't flow outside the premises linked with storm water during high rainy days.
10. Detailed parking plan showing accommodation of two wheelers and four wheelers, its adequacy for the project and norms adopted for the calculations. The details shall include comparative table showing parking requirements as per present VMC/ GDCR and National Building Code (NBC) guidelines and parking area to be provided. The back up calculations showing the numbers and area of residential units in each building, requirement of car parking space according to numbers / area of residential / commercial units, each equivalent car space inclusive of circulation area considered in respect of open parking & ground floor covered parking as per the NBC guidelines etc. shall be furnished. Mark the area of parking on the drawing showing the parking in different colour code. Also details of visitors parking and parking availability during the peak load, whether considered in total parking calculations / provisions or not.
11. 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. Permission from the concerned authority for collection of municipal solid waste. Explore the possibility of converting the organic waste into the useful end products with the help of in-house organic waste convertor.
12. Layout plan showing gates, provision of adequate margin all round the periphery for easy unobstructed movement of fire tender without reversing, main road approaching the project site, width of internal roads etc.
13. Details of a village road passing through the project site, if any.
14. 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. Measures proposed to comply with the ECBC norms / other international norms proposed for energy conservation. Details with back up calculation showing that how much of the total energy requirement of the proposed project will be compensated by the proposed energy conservation measures & solar energy utilization.
15. 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 Staircase details
16. 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.

17. Detailed scheme of rain water harvesting and ground water recharge, with proper scientific calculations considering depth of ground water table, rainfall in the region, catchment area, land / soil characteristics, ground water recharge rate, duration of rain water harvesting, number of percolation wells etc. Details of provisions of pre-treatment of the rainwater before its recharge. Location of recharge percolation wells on the layout plan. EMP details budget

18. Land owner ship documents showing ownership of the land of Block numbers 612,620, 649, 652,655, 657-A & B, 696 & 697.

6.	Anand Enterprise	R.S.No.111,112,112/p,123/A and 209 (amalgamated no. 111/p sub plot no. D), Village: Umaraj, Dist: Bharuch.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33554/2015]															
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	Anand Enterprise															
6.	Estimated Project Cost (Rs. In Crores)	60 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 16,500 FSI area (m²): 27,670.87 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>29,808</td> <td>27,670.87</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>7425</td> <td>5727.14</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1650</td> <td>1656</td> </tr> <tr> <td>Max. building height (m)</td> <td>40</td> <td>18</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Total BUA (m²):42,147.30 		Permissible	Proposed	FSI Area (m ²)	29,808	27,670.87	Ground Coverage (m ²)	7425	5727.14	Common Plot Area (m ²)	1650	1656	Max. building height (m)	40	18
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Max. building height (m)	40	18															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:8 No. of Blocks:8 Scope of buildings/blocks: Basement + ground floor + 5 floors. No.& size of Residential Units: NA No. & type of Commercial Units: 294 shops and 149 offices , 762 seats in Multiplex Details of amenities if any: No. 															
10.	No. of expected	2,550 occupants and 300 visitors															

	residents / users																																					
11.	Water & waste water details during construction phase	<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: 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):137.30 Source of water: Bharuch Nagar Palika Waste water generation quantity (KL/day):104.54 Mode of disposal: into sewer line of Bharuch Nagarpalika. 																																				
13.	Status of water supply and drainage line	Available at 400 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>1500</td> <td>1,500</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>28,500</td> <td>13,500 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>400</td> <td>425 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to local authority or fill in low laying area</td> </tr> <tr> <td>Steel scrap</td> <td>15</td> <td>0</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>10</td> <td>0</td> <td>Sold to vendors</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>378.96</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>568.44</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 12 number of community bins to be placed in common area Landfill site where waste will be ultimately disposed by local authority: at the nearest MSW collection point of Bharuch Nagar Palika. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1500	1,500	Development of landscape area	Other excavated earth	28,500	13,500 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	400	425 m ³ will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying area	Steel scrap	15	0	Sold to vendors	Discarded packing materials	10	0	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	378.96	White bins	Sold to vendors	Wet waste	568.44	Green Bins	Municipal bins
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15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 13,835.43 m² Parking area requirement for Commercial units as per GDCR:13,835.43 m² Total number of CPS requirement for the project as per NBC :284 Number of CPS requirement for commercial units as per NBC:253 Number of CPS requirement as per NBC for Multiplex: 31 Total Parking area provided (m²) & No. of ECS: 14,151.56 & 470 ECS Parking area provided in basement (m²) & No. of ECS: 11,851.56 & 370 ECS Parking area provided as open surface (m²) & No. of ECS:2,300 & 100 ECS. 																																				

16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 45 m and 12 m • Number of Entry & Exit provided on approach road/s: Eight gates including one gate for basement entry. • Width of Entry & Exit provided on approach road/s: 6 m & 9 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4.0 m • Width of all internal roads: 6 m, 9 m & 10 m. 					
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 10 numbers of solar lighting, roof-top thermal insulation, rain water harvesting & ground water recharge through 5 nos. of percolating wells etc.					
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 2000 KVA Connected load: 2100 KVA Source: DGVCL • % of saving with calculations: ~40% by use of LED and star rated energy efficient electronic consumer durables + solar lights. • 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: 2 X 125 KVA Fuel & its quantity: HSD, 50 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, yard hydrant, automatic sprinkler system in basement & multiplex, underground static water storage tank-200 KL capacity, terrace tank -80 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc. 					
20.	Details on staircase						
		Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)
		A	(G + 4)	677.28	1	1.66	<30
		B	(G + 4)	865.14	1	1.66	<30
		C	(G + 4)	722.70	1	1.66	<30
		D	(G + 4)	514.95	1	1.66	<30
		E	(G + 4)	632.95	1	1.66	<30
		F	(G + 5)	1311.17	2	2.0 and 1.86	<30
		G	(G + 4)	640.66	1	2.0	<30
		H	(G + 5)	655.14	2	1.66	<30
21.	Rain Water Harvesting	<ul style="list-style-type: none"> • Level of the Ground water table: 15 m • No. & dimensions of RWH tank(s) : 5 Nos and 2.5m X 2.0 m X 3.0 m 					

	(RWH)	<ul style="list-style-type: none"> No. and depth of percolations wells : 5 nos and 11 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) : 600 Area covered by shrubs and bushes (m²):556 Lawn covered area (m²):500 Total Green Area (m²):1656 Green Area % of plot area: 10% No. of trees and species to be planted: 250 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.20.0 lacs & Rs.9 lacs 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 as on 19/02/2012 for amalgamated survey numbers shows that the N.A land for residential & commercial use is in the name of M/s Anand Enterprise through its partners.

During the meeting, when suggested by the committee, the project proponent was agreed to increase the parking area provision by adding one level basement to the existing basement. After detailed discussion, it was decided to further appraise the project only after submission of the following:

- Copy of project plans showing buildings & floor wise built up area, FSI area, Floor area details, plot area statement etc.
- Status on availability of water supply, drainage connection and municipal solid waste collection facility to the project and copy of permission obtained from concerned competent authority for providing these facilities.
- Details on provision of staircases in the proposed commercial buildings as per the requirement of NBC norms.
- Revised details on parking area provision for the project considering the proposed additional level of basement.
- Land possession documents showing 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 copy of agreement made between the land owners & developers (if any).

7.	East Ebony	Survey No: 208, 209, 210/2 F.P. No: 96+278, T.P.S No: 50 (Bodakdev), Daskroi, Ahmedabad	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33563/2015]															
2.	Type of Project	Residential Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	East Ebony															
5.	Name of Developer	Amardeep Co. Op. Housing Society Limited															
6.	Estimated Project Cost (Rs. In Crores)	50 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> •Land / Plot Area (m²): 7,362.0 •FSI area (m²):17,665.34 •Total BUA (m²):40,779.58 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>19,877.4</td> <td>17,665.34</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>NA</td> <td>3,473.97</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>736.2</td> <td>736.24</td> </tr> <tr> <td>Max. building height (m)</td> <td>70</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	19,877.4	17,665.34	Ground Coverage (m ²)	NA	3,473.97	Common Plot Area (m ²)	736.2	736.24	Max. building height (m)	70	45
	Permissible	Proposed															
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Ground Coverage (m ²)	NA	3,473.97															
Common Plot Area (m ²)	736.2	736.24															
Max. building height (m)	70	45															
9.	Building Details	<ul style="list-style-type: none"> •No. of Buildings: Five •No. of Blocks: Five •Scope of buildings/blocks: 2 level basement + hollow plinth +12 floors. •No.& size of Residential Units: Total 55 flats, 22 Flats -5 BHK Size 370.74 m² and 33 Flat 4 BHK, Size 272.52 m² •No. & type of Commercial Units: No •Details of amenities if any: One Society Offices 															
10.	No. of expected residents / users	248 occupants and 50 visitors															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> •Water requirement (KL/day): 21.75 •Source of water: Water tankers •Waste water generation quantity (KL/day): 5.73 •Mode of disposal: septic tank •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): 37.17 •Source of water: water supply from AMC •Waste water generation quantity (KL/day):27.38 •Mode of disposal: Into drainage line of AMC. 															
13.	Status of water supply and drainage line	Available at site															

14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="406 203 1401 987"> <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>2400</td> <td>2400</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>27600</td> <td>13500 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>380</td> <td>200 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to local authority or fill in low laying area</td> </tr> <tr> <td>Steel scrap</td> <td>12</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" data-bbox="406 1061 1278 1301"> <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>63.52</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>95.28</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: AMC 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	2400	2400	Development of landscape area	Other excavated earth	27600	13500 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	380	200 m ³ will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying area	Steel scrap	12	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	63.52	White bins	Sold to vendors	Wet waste	95.28	Green Bins	Municipal bins
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15.	Parking Details	<ul style="list-style-type: none"> •Total parking area requirement for the project as per GDCR:3,533.06 m² •Parking area requirement for residential units as per GDCR:3,533.06 m² •Total number of CPS requirement for the project as per NBC :55 •Number of CPS requirement for residential units as per NBC: 55 •Total Parking area provided (m²) & No. of ECS: 14,499.97 & 471 ECS •Parking area provided in basement (m²) & No. of ECS: 10,947.52 & 342 ECS •Parking area provided in hollow plinth (m²) & No. of ECS:3,152.45 & 112 ECS •Parking area provided as open surface (m²) & No. of ECS: 400 & 17 ECS 																																				
16.	Traffic Management	<ul style="list-style-type: none"> •Width of adjacent public roads: two 18 m wide roads •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 Entry/Exist 																																				

		<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): 5.0 m •Width of all internal roads: 6.0 m 																								
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 20 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 5 nos. of percolating wells etc.																								
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> •Power supply: Maximum demand: 500 KVA Connected load: 600 KVA Source: Torrent Power Limited. •% of saving with calculations: ~30% by use of LED and star rated energy efficient electronic consumer durables •Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area •DG Sets: No. and capacity of the DG sets:40 KVA Fuel & its quantity: HSD, 9 litre/hr 																								
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> •During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. •During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, automatic sprinkler system in basement, underground static water storage tank-150 KL capacity, terrace tank -50 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</td> <td>B+HP+12</td> <td>498</td> <td>1</td> <td>2.05</td> <td>26</td> </tr> <tr> <td>B</td> <td>B+HP+12</td> <td>498</td> <td>1</td> <td>2.05</td> <td>26</td> </tr> <tr> <td>C, D, E</td> <td>B+HP+12</td> <td>414.59</td> <td>1</td> <td>2.1</td> <td>24</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	B+HP+12	498	1	2.05	26	B	B+HP+12	498	1	2.05	26	C, D, E	B+HP+12	414.59	1	2.1	24
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C, D, E	B+HP+12	414.59	1	2.1	24																					
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> •Level of the Ground water table: 25m •No. & dimensions of RWH tank(s) : 2 No and 2.0m X 2.0 m X 3.0 m •No. and depth of percolations wells :2 no and 20 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) :250 •Area covered by shrubs and bushes (m²): 236.2 •Lawn covered area (m²):250 •Total Green Area (m²):736.2 •Green Area % of plot area: 10 % •No. of trees and species to be planted: 111 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar 																								
23.	Dust control	Spraying of water, Peripheral barricading,, covered shed for cement																								

	measures	Loading area, covering the excavated earth with tarpaulin sheet etc.
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 13 lacs & Rs.8 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.	Village form no. 7 submitted by them shows that the N.A land is in the name of Amardeep Co. Op. Ho. Soc. Ltd.

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

1. Full size project plans showing building wise & floor wise built up area, FSI area, Floor area & plot area statement of the project.
2. Zoning certificate or N.A permission order for the project site showing the permissible use of the project site for residential & commercial use.

8.	Cloud 9	F.P. Number 648, S.No. 188/p, 189/p, TPS No: 21, Ambawadi, Ahmedabad	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/33843/2015]
2.	Type of Project	Residential Project
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Cloud 9
5.	Name of Developer	Chhatra Chhaya Co.Op. Housing Soc. Ltd and New Chhaya Co.Op. Housing Soc Ltd
6.	Estimated Project Cost (Rs. In Crores)	200 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): 16,390 FSI area (m²):65,517.98 Total BUA (m²):1,28,227.10 <table border="1" data-bbox="469 304 1481 479"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>65,560</td> <td>65,517.98</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>NA</td> <td>5974.94</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1639</td> <td>1643.81</td> </tr> <tr> <td>Max. building height (m)</td> <td>70</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	65,560	65,517.98	Ground Coverage (m ²)	NA	5974.94	Common Plot Area (m ²)	1639	1643.81	Max. building height (m)	70	45
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Max. building height (m)	70	45															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 8 No. of Blocks: 10 Scope of buildings/blocks: 3 level basement + hollow plinth + 14 floors. No. & type of residential units: 430 flats of 3 & 4 BHK. No. & type of Commercial Units: No Details of amenities if any: One Society Offices 															
10.	No. of expected residents / users	1935 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: septic tank Details of reuse of water, if any: No 															
12.	Water & waste water details during operation phase	<p>Total water requirement (KL/day): 271.62 Fresh water requirement (KL/day): 175.15</p> <ul style="list-style-type: none"> Source of water: Water supply from AMC Waste water generation quantity (KL/day):211.38 Mode of disposal: Into drainage line of AMC. In case of STP provision, capacity of STP: Yes, 225 KL/day STP Technology: Biological Purposes for treated water utilization: Gardening, Flushing Quantity of treated water to be reused: <ul style="list-style-type: none"> 1.Gardening (KL/day):7.4 2. Flushing (KL/day):89.07 Provision of dual plumbing system (Yes/No): Yes Quantity and type (treated/untreated)of water to be discharged: Treated sewage will be reused for gardening & flushing purposes within premises and only remaining quantity of treated sewage will be discharged into the drainage line of AMC. Mode of disposal: As above. 															
13.	Status of water supply and drainage line	Available at site															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="469 1749 1437 2060"> <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>8,400</td> <td>8,400</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>1,31,600</td> <td>72,800 m³ will be used for back filling and raising</td> <td>Balance earth will be used at other projects as per requirement.</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	8,400	8,400	Development of landscape area	Other excavated earth	1,31,600	72,800 m ³ will be used for back filling and raising	Balance earth will be used at other projects as per requirement.			
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15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 13,103.59 m² • Parking area requirement for residential units as per GDCR:13,103.59 m² • Total number of CPS requirement for the project as per NBC :430 • Number of CPS requirement for residential units as per NBC: 430 • Total Parking area provided (m²) & No. of ECS: 45,700.28 & 1452 ECS • Parking area provided in basement (m²) & No. of ECS: 40,201.29 & 1256 ECS • Parking area provided in hollow plinth (m²) & No. of ECS:5,498.99 & 196 ECS 																																
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 18 m and proposed 12 m wide roads • Number of Entry & Exit provided on approach road/s: Four 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): 5.0 m • Width of all internal roads: 6.0 m & 7.5 m. 																																
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 20 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 5 nos. of percolating wells, provision of STP & reuse of treated sewage etc.																																
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 2,250 KVA Connected load: 2,500 KVA Source: Torrent Power Ltd. • % of saving with calculations: ~30% by use of LED lights, star rated energy efficient electronic consumer durables and solar lights. • Compliance of the ECBC guidelines (Yes / No),if yes, compliance in 																																

		<p>tabular form: only roof area</p> <ul style="list-style-type: none"> • DG Sets: No. and capacity of the DG sets:1 x 62.5 KVA Fuel & its quantity: HSD, 9 litre/hr 																								
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. • During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, automatic sprinkler system in basement, underground static water storage tank-200 KL capacity, terrace tank -100 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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Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)																					
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E	HP + 14	762.66	2	2.1	25																					
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 24 m • No. & dimensions of RWH tank(s) : 5 No and 2.0m X 2.0 m X 3.0 m • No. and depth of percolations wells :5 no and 19 m • Details on Pre-treatment facilities : oil and grease removal and filter 																								
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :500 • Area covered by shrubs and bushes (m²): 293.81 • Lawn covered area (m²):850 • Total Green Area (m²):1,643.81 • Green Area % of plot area: 10 % • No. of trees and species to be planted: 246 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. 67 lacs & Rs.10.5 lacs as capital cost & recurring cost respectively has been made for EMP & EMS.																								
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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.
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During the meeting, it was presented that traffic survey was carried out on a road connecting Shyamal to Shivranjani, which shows that the road having carrying capacity of 2800 PCU will be adequate enough to cater the total traffic load of 1766 PCU after the proposed project will come into existence. After detailed discussion it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

9.	Shrungal Homes	Block No. 141, F.P.No.42, O.P.No.42, T.P.S.No.58 (Bamroli), Choryasi, Surat.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33929/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Shrungal Homes															
5.	Name of Developer	Mr.Miral Vallabhbbhai Surani															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 40 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): 14,204.0 FSI area (m²): 28,856.45 Total BUA (m²):43,217.44 <table border="1"> <thead> <tr> <th></th> <th>Permissible,</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>31,745.94</td> <td>28,856.45</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>10,369.80</td> <td>6,178.74</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,420.40</td> <td>1,420.40</td> </tr> <tr> <td>Max. building height (m)</td> <td>65</td> <td>18.75</td> </tr> </tbody> </table>		Permissible,	Proposed	FSI Area (m ²)	31,745.94	28,856.45	Ground Coverage (m ²)	10,369.80	6,178.74	Common Plot Area (m ²)	1,420.40	1,420.40	Max. building height (m)	65	18.75
	Permissible,	Proposed															
FSI Area (m ²)	31,745.94	28,856.45															
Ground Coverage (m ²)	10,369.80	6,178.74															
Common Plot Area (m ²)	1,420.40	1,420.40															
Max. building height (m)	65	18.75															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:13 No. of Blocks: 13 Scope of buildings/blocks: All buildings – basement + hollow plinth + 5 floors. No.& size of Residential Units:400 units No. & type of Commercial Units:-- units Details of amenities if any:Club house 															
10.	No. of expected residents / users	1620															
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 Mode of disposal: Into drainage line of SMC. 															
12.	Water & waste	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 230.0 															

	water details during operation phase	<ul style="list-style-type: none"> • Source of water: Water supply from SMC. • Waste water generation quantity (KL/day): 181 KLD • Mode of disposal: Into drainage line of SMC. 																																
13.	Status of water supply and drainage line	Both drainage and water supply lines will be available to the project during the operation phase.																																
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>2678.5</td> <td>640</td> <td>640 m³ of excavated Top soil will be utilized for greenbelt development & remaining quantity of top soil will be utilized for back filling.</td> </tr> <tr> <td>Other excavated earth</td> <td>8,303.33</td> <td>8,303.33</td> <td>Entire quantity of excavated soil will be utilized for back filling within site.</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>472 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>500 kg/day</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins for dry and wet waste provided to each unit • Capacity and no. of community bins to be placed within premises:13 nos of bins having capacity of 50 kg each for dry waste and 13 nos of 60 kg capacity bins for wet waste will be provided. • Landfill site where waste will be ultimately disposed by local authority: At Khajod Disposal Site 				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	2678.5	640	640 m ³ of excavated Top soil will be utilized for greenbelt development & remaining quantity of top soil will be utilized for back filling.	Other excavated earth	8,303.33	8,303.33	Entire quantity of excavated soil will be utilized for back filling within site.	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	472 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	500 kg/day
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Top Soil	2678.5	640	640 m ³ of excavated Top soil will be utilized for greenbelt development & remaining quantity of top soil will be utilized for back filling.																															
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Wet waste	500 kg/day																																	
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 4,328.46 m² • Parking area requirement for residential units as per GDCR:4,328.46 m² 																																

		<ul style="list-style-type: none"> • Total number of CPS requirement for the project as per NBC :260 • Number of CPS requirement for residential units as per NBC: 260 • Total Parking area provided (m²) & No. of ECS: 9,211.68 m² and 325 ECS • Parking area provided in basement (m²) & No. of ECS: 3,721.98 m² and 117 ECS • Parking area provided in hollow plinth (m²) & No. of ECS:4,069.09 m² and 146 ECS • Parking area provided as open surface (m²) & No. of ECS: 1,420.61 m² and 62 ECS
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:18 m wide T.P. road • Number of Entry & Exit provided on approach road/s: One 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: 9 m & 7.5 m
17.	Details of Green Building measures proposed.	Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: • Maximum demand: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 × 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 to F 6 nos of building	5	358.54	1	1.2 m	Less than 15 m
	G to M 7 nos of Building	5	517.15	2	1.2 m	Less than 15 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 17m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :4 • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :500.0 • Area covered by shrubs and bushes (m²): included in lawn covered area. • Lawn covered area (m²): 300.0 • Total Green Area (m²): 800.0 • Green Area % of plot area: 6 % • No. of trees and species to be planted: 250 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Green belt development : 60Lacs Drainage and rain water harvesting: 50 lacs Solar and energy saving: 30lacs Total: 140Lacs				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.				
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 form no. 7/12 as on 22/07/2015 shows that the N.A land is in the name of applicant. Zoning certificate SUDA shows that the project site is covered under residential zone.				

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

1. Explore the possibility of increasing the parking area provision for the proposed project and revised details with back up calculation considering the increased parking area to be provided.

2. Layout plan showing provision of two gates for entry/exit.
3. Number of trees existing at the project site, number of trees to be cut or already cut, number of trees to be retained and permission from concerned competent authority for cutting the trees.

10.	Nilamber Oriens	S.No.221,222,223,224,225/182,227/182, 228, 229, F.P.No.53, Tandalaja, Dist: Vadodara.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New project [SIA/GJ/NCP/33992/2015]															
2.	Type of Project	Residential & commercial project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Nilamber Oriens															
5.	Name of Developer	Octane Infra Space															
6.	Estimated Project Cost (Rs. In Crores)	150 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): 47,013.0 • FSI area (m²):44,575.79 • Total BUA (m²):48,845.15 <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>75,220.80</td> <td>44,575.79</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>16,924.40</td> <td>15,602.67</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>4,701.3</td> <td>4,702.00</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>Resi. =10.6 m Comm= 17 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	75,220.80	44,575.79	Ground Coverage (m ²)	16,924.40	15,602.67	Common Plot Area (m ²)	4,701.3	4,702.00	Max. building height (m)	---	Resi. =10.6 m Comm= 17 m
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FSI Area (m ²)	75,220.80	44,575.79															
Ground Coverage (m ²)	16,924.40	15,602.67															
Common Plot Area (m ²)	4,701.3	4,702.00															
Max. building height (m)	---	Resi. =10.6 m Comm= 17 m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:2 for Comm. & 225 Bungalows • No. of Blocks: 2 for Comm. & 225 Bungalows • Scope of buildings/blocks: Bungalows of ground floor + 1 floor. 2 commercial blocks – Ground floor +4 floors. • No.& size of Residential Units:225 Bungalows • No. & type of Commercial Units:--104 Shops& 159 Offices 															
10.	No. of expected residents / users	Resi.-1300 users including floating population Comm: 3000 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: Water supply from VMC. • 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):300.0 • Source of water: Water supply from VMC. • Waste water generation quantity (KL/day): 250.0 • Mode of disposal: Into drainage line of VMC. 																																
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by VMC.																																
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="456 465 1481 1014"> <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>20,000</td> <td>20,000</td> <td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</td> </tr> <tr> <td>Construction debris</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be used as road sub base within premises.</td> </tr> <tr> <td>Steel scrap</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Will be sold to vendors.</td> </tr> <tr> <td>Discarded packing materials</td> <td>Whatsoever</td> <td>Whatsoever</td> <td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1" data-bbox="456 1081 1481 1451"> <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>555</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of SMC.</td> </tr> <tr> <td>Wet waste</td> <td>370</td> <td>Into bins to be provided within premises.</td> <td>Door to door waste collection system of SMC.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: Total 28 bins with 80 lit capacity will be provided for residential blocks & 37 bins with 80 lit capacity will be provided for commercial units. • Landfill site where waste will be ultimately disposed by local authority: at the nearest MSW collection point. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil Other excavated earth	20,000	20,000	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	Construction debris	Whatsoever	Whatsoever	Will be used as road sub base within premises.	Steel scrap	Whatsoever	Whatsoever	Will be sold to vendors.	Discarded packing materials	Whatsoever	Whatsoever	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	555	Into bins to be provided within premises.	Door to door waste collection system of SMC.	Wet waste	370	Into bins to be provided within premises.	Door to door waste collection system of SMC.
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse																															
Top Soil Other excavated earth	20,000	20,000	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.																															
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Wet waste	370	Into bins to be provided within premises.	Door to door waste collection system of SMC.																															
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 4,258.74 m² + parking space for individual bungalows. • Parking area requirement for residential units as per GDCR: Individual parking area for bungalows. • Parking area requirement for Commercial units as per GDCR: 4,258.74 m². • Total number of CPS requirement for the project as per NBC: 185 CPS + individual car parking space for each individual bungalow. • Number of CPS requirement for residential units as per NBC: Every 225 bungalow will have its individual parking area 																																

		<ul style="list-style-type: none"> • Number of CPS requirement for commercial units as per NBC:185 • Total Parking area provided (m²) & No. of ECS: 5,604.22 m² & 202 ECS • Parking area provided in Surface (m²) & No. of ECS: 2,184.37 m² & 95 ECS • Parking area provided in Basement (m²) & No. of ECS:3,419.55 m² & 107 ECS • Parking area provided (at any other place-specify) (m²) & No. of ECS: Individual parking space for one car & two nos. of two wheelers will be provided in the premises of individual bungalows. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: Site is accessible by 18.0 m wide side approach road. • Number of Entry & Exit provided on approach road/s: Two gates, one for commercial units & one for residential units. • Width of Entry & Exit provided on approach road/s: 6 m & 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 m & 7.5 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: Gujarat Electricity Board Maximum demand:1,500 KVA • Connected load:2,500 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:1 x 150 KVA Fuel & its quantity:50 lit/hr 			
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the operation phase: Underground water tanks- 100 KL x 2 nos., terrace water tank of 20 KL capacity on all the buildings, fire extinguishers, fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, first aid box, displaying of important telephone numbers etc. 			
20.	Details on staircase:				
	Type of block	Distance of stair case from the farthest corner	Number of Stair case	Width of Stair case in m	Floor area (m ²)
	Block A	16 m	1 (+ 2 round stairs)	2.13 & 1.77	
	Block B	24 m	2 (+ 4 round stairs)	2.13 & 1.77	
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):1,000 • Area covered by shrubs and bushes (m²):-702.0 • Lawn covered area (m²):4,000.00 • Total Green Area (m²):5,702.00 			

		<ul style="list-style-type: none"> • Green Area % of plot area:10% • No. of trees and species to be planted:705
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 14.5 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 25.3 lacs and recurring cost of Rs. 5.5 lacs has been proposed for installation of energy efficient appliances, green belt development, rain water harvesting & ground water recharge, waste water management, solid waste management etc. during the operation phase.
24.	Dust control measures	Water sprinkling, maintaining roads & trees to avoid dust generation etc.
25.	Eco friendly building material usage details.	Fly ash & pozzolana cement will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces.
26.	Details of basic amenities to be provided to construction workers.	Adequate sanitation facilities, drinking water, bins for collection of municipal solid waste.

During the meeting, the project proponent was suggested to widen the ramp and the road approaching the ramp for commercial units. Further they were suggested to make use of solar energy at the extent possible. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Details on the parking area requirement & provision for the project based on the NBC norms including the details on plot area of the each individual type of bungalow, ground coverage, open space available for tree plantation and parking within premises of each type of bungalow.
2. Details on the floor area of the proposed commercial buildings and provision of staircases based on the requirement of NBC norms along with the details of travel distance of the staircase from the farthest corner of the floor as well as travel distance between the two consecutive staircases.
3. Land possession documents showing ownership of land by the applicant.
4. Copy of T.P Scheme map showing location of the proposed project.
5. Revised layout plan showing the increased width of the ramp & approach road to ramp for commercial units.

11.	Shashwat Mahadev – 3	Revised Survey No.813/2, F.P.No.52/2, T.P.S.No.114, Village: Vastral, Dist: Ahmedabad.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee are tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/34165/2015]
2.	Type of Project	1 & 2 BHK Affordable Residential Flats & Shops
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the Project	Shashwat Mahadev - 3
5.	Name of Project Proponent	Mr. Rohitbhai Kalidas Patel
6.	Estimated Project Cost (Rs. In	55 Crore

Crores)																		
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction work has been initiated at site.																
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²):- 7,285.0 FSI area (m²):- 24,086.96 Total BUA (m²):- 30,121.63 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>19,669.50</td> <td>24,086.96</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>Not Applicable</td> <td>3,383.76</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>582.8</td> <td>635.44</td> </tr> <tr> <td>Max. Building Height (m)</td> <td>25</td> <td>24.85</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	19,669.50	24,086.96	Ground Coverage (m ²)	Not Applicable	3,383.76	Common Plot Area (m ²)	582.8	635.44	Max. Building Height (m)	25	24.85	
	Permissible	Proposed																
FSI Area (m ²)	19,669.50	24,086.96																
Ground Coverage (m ²)	Not Applicable	3,383.76																
Common Plot Area (m ²)	582.8	635.44																
Max. Building Height (m)	25	24.85																
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings :- 6 No. of Blocks :- 8 Scope of Buildings/Blocks: 2 buildings – basement + ground floor (shops & parking) + 7 floors, 4 buildings – basement + hollow plinth + 7 floors. No. & size of Residential Units: 336 (84 flats – 1 BHK, 252 flats – 2 BHK) No. & Type of Commercial Units:16 Shops Details of Amenities if any:- None 																
10.	No. of expected residents / users	Fixed population considered for the project : 1,728 Persons Floating population considered for the project: 1,200 Persons/day																
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):- 15 Source of water:- Local water tanker suppliers Waste water generation quantity (KL/day):- 4 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):- 257 Source of water:- Ahmedabad Municipal Corporation (AMC) Waste water generation quantity (KL/day): 204 Mode of disposal:- Waste water will be discharged through AMC drainage system. 																
13.	Status of water supply and drainage line	<ul style="list-style-type: none"> The existing water supply & drainage connection is approx. 700 m away from the project site. 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"> <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>2,800 m³</td> <td>2,800 m³</td> <td>Development of greenbelt & levelling of low lying areas</td> </tr> <tr> <td>Other Excavated Earth</td> <td>11,200 m³</td> <td>11,200 m³</td> <td>Levelling of low lying areas and development of green belt area at proposed site itself.</td> </tr> <tr> <td>Construction</td> <td>530 m³</td> <td>530 m³</td> <td>Levelling roads,</td> </tr> </tbody> </table>		Generation	Quantity to be reused	Mode of Disposal/Reuse	Top Soil	2,800 m ³	2,800 m ³	Development of greenbelt & levelling of low lying areas	Other Excavated Earth	11,200 m ³	11,200 m ³	Levelling of low lying areas and development of green belt area at proposed site itself.	Construction	530 m ³	530 m ³	Levelling roads,
	Generation	Quantity to be reused	Mode of Disposal/Reuse															
Top Soil	2,800 m ³	2,800 m ³	Development of greenbelt & levelling of low lying areas															
Other Excavated Earth	11,200 m ³	11,200 m ³	Levelling of low lying areas and development of green belt area at proposed site itself.															
Construction	530 m ³	530 m ³	Levelling roads,															

		Debris			pavements, plot filling, plinth filling etc.
		Steel Scrap	3.5 MT	--	To be sold to scarp dealer.
		Discarded packing Materials/ Bags	1,45,000 Bags	--	To be sold to authorized vendor.
		Operation Phase:			
		Type of waste	Generation Quantity (kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	852 kg/day	44 Nos. of bins of 80 litre capacity will be provided for collection of waste.	Will be regularly collected by AMC for disposal
		Wet waste			
		<ul style="list-style-type: none"> • Details of segregation if to be done: Not to be done • Capacity and no. of community bins to be placed within premises: • Total 44 Nos. – each of 80 litre capacity • Landfill site where waste will be ultimately disposed by local authority: Detail not available. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 2,805.81 m² • Parking area requirement for residential units as per GDCR: 2,605.49 m² • Parking area requirement for commercial units as per GDCR: 200.32 m² • Total number of CPS requirement for the project as per NBC: 184 CPS • Number of CPS requirement for residential units as per NBC: 168 CPS • Number of CPS requirement for commercial units as per NBC: 16 CPS • Total parking area provided (m²) & No. of ECS: 6,203.15 m² & 215 CPS • Parking area provided in basement (m²) & No. of ECS: 2,481.9 m² & 78 CPS • Parking area provided in hollow plinth (m²) & No. of ECS: 3,200.13 m² & 114 CPS • Parking area provided as open surface (m²) & No. of ECS: 203.4 m² & 9 CPS • Parking area provided (at any other place-specify) (m²) & No. of ECS: 317.72 m² (50 % of total common plot area) & 14 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 15 m wide T.P.S. road. • Number of Entry & Exit provided on approach road/s: Two gates, including one gate for entry into the basement, will be provided. • Width of Entry & Exit provided on approach road/s: 7.5 m & 4 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: ranging from 4 m & 7.5 m 			

17.	Details of Green Building measures proposed.	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, solar lights in common sunlit areas, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash, rainwater harvesting by recharging the ground water table with provision for percolation wells, PVC electrical boards, aluminium window frame & marble door frame instead of wood, Rainwater harvesting by recharging the ground water table with provision for 2 percolation wells, maximize the use of light colours in the building envelope - to reduce heat absorption and associated cooling requirements etc.				
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: During Construction: 50 kW During Operation: 2 MW Source: M/s. Torrent Power Limited (TPL) • Energy saving by Non-conventional Methods: Use of solar lighting in common sunlit areas • Energy saving measures: Use of solar lighting in common sunlit areas, maximum use of LED lights in each block, use of variable frequency drives motors to optimize power consumption, the individual building block has been oriented so as to have maximum natural daylight as well as ventilation, use of building material having lower U-value and the insulating material having higher R-value to have optimum energy performance, maximize the use of light and silent colours in the building envelope so that UV absorption is reduced and associated cooling requirements are minimized. • D.G. Sets: Not proposed. 				
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the operation phase: Fire extinguishers, fire hydrant system, hose reels, down comers, manual alarm system, one nos. of underground water storage tank having 100 KL capacity, overhead tanks of 25 KL capacity on each individual block, • Nearest fire station is Jasodanagar-Odhav fire station approx. (4 km). Time required for the fire tender to reach at the project site is 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 practice, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. 				
20.	Details on staircase					
Type & No. of Buildings		No. of Floors	Floor Area	No. of Staircase	Width of the Staircase	Travel Distance
A		S.P. / H. P. + 7 Floors	394.55 m ²	1	1.52 m	19.5 m
B + C, F+G		H. P. + 7 Floors	768.02 m ²	2	1.50 m	20 m
D, E		H. P. + 7 Floors	275.53 m ²	1	1.50 m	16.5 m

	H	S.P. / H. P. + 7 Floors	394.55 m ²	1	1.52 m	19.5 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> No. and depth of percolations wells : 2 Nos., 40 m depth Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month. 				
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) : 342 Area covered by shrubs and bushes (m²): 318 Lawn covered area (m²): 250 Total Green Area (m²): 910 Green Area % of plot area: 12.5 % No. of trees and species to be planted: 115 trees of Asopalav, Gulmohar, Jamun, Badam, Chickoo etc. will be preferred. 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 7 lacs & Rs. 10.5 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase respectively.				
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, tarpaulin sheet cover on the material during the transportation, maximum use of Ready Mix Concrete (RMC), uniform piling of sand and proper storage to avoid dusting.				
25.	Eco friendly building materials	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash.				
26.	Facilities to be provided to the construction workers	Sanitation facilities, drinking water, municipal solid waste collection facility etc.				
27.	Documents related to land possession.	Village form no. 7 shows that the land is in the name of land owners. The land owners have given power of attorney to the applicant. District Collector office has ordered for payment of premium for obtaining N.A permission. Zoning certificate of AMC shows that the project site falls under the residential zone – one.				

During the meeting while asking by the committee, it was presented that the TSDF site of NEPL is at a distance of 2.2 km from the project site. The project proponent was suggested to increase the parking area provision. After detailed discussion it was decided to consider the project only after submission of the following:

1. Revised details on increased parking area provision for the project considering the actual parking area available in hollow plinth for parking purpose and parking plans.
2. Details on the permissible FSI for the proposed project and copy of permission from the concerned competent authority for the proposed FSI.

12.	Building construction project by Mr. Bhanubhai Dahyabhai Patel.	Survey No: 100/1/1, F.P. No: 80, T.P.S No : 31, Vastrapur, Ahmedabad	Screening & scoping.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/34894/2015]															
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	Bhanubhai Dahyabhai Patel															
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): 5,767 FSI area (m²): 23,068 Total BUA (m²):46,240.19 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area</td> <td>23,068</td> <td>23,068</td> </tr> <tr> <td>Ground Coverage</td> <td>NA</td> <td>3194.96</td> </tr> <tr> <td>Common Plot Area</td> <td>576.7</td> <td>577</td> </tr> <tr> <td>Max. building height</td> <td>70</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area	23,068	23,068	Ground Coverage	NA	3194.96	Common Plot Area	576.7	577	Max. building height	70	45
	Permissible	Proposed															
FSI Area	23,068	23,068															
Ground Coverage	NA	3194.96															
Common Plot Area	576.7	577															
Max. building height	70	45															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:1 No. of Blocks:1 Scope of buildings/blocks: 3 level basement + ground floor +13 floors. No.& size of Residential Units: NA No. & type of Commercial Units: 35 shops and 242 offices Details of amenities if any: No. 															
10.	No. of expected residents / users	2300 occupants and 300 visitors															
11.	Water & waste water details during construction phase	<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: septic tank 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):110.30 Source of water: Water supply from AMC Waste water generation quantity (KL/day):86.40 															

		<ul style="list-style-type: none"> Mode of disposal: Into sewer line of AMC. 																																				
13.	Status of water supply and drainage line	Available at site																																				
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <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>2,000</td> <td>2,000</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>38,000</td> <td>16,000 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>220 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to local authority or fill in low laying area</td> </tr> <tr> <td>Steel scrap</td> <td>15</td> <td>0</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>10</td> <td>0</td> <td>Sold to vendors</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (Kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td>288</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>432</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 12 number of community bins to be placed in common area Landfill site where waste will be ultimately disposed by local authority: nearby waste collection point of AMC. 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	2,000	2,000	Development of landscape area	Other excavated earth	38,000	16,000 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	220 m ³ will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying area	Steel scrap	15	0	Sold to vendors	Discarded packing materials	10	0	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	288	White bins	Sold to vendors	Wet waste	432	Green Bins	Municipal bins
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Dry waste	288	White bins	Sold to vendors																																			
Wet waste	432	Green Bins	Municipal bins																																			
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 11522.02 m² Parking area requirement for Commercial units as per GDCR:11,522.02 m² Total number of CPS requirement for the project as per NBC :462 Number of CPS requirement for commercial units as per NBC:462 Total Parking area provided (m²) & No. of CPS: 15,999.56 & 504 CPS Parking area provided in basement (m²) & No. of CPS: 11,669.67 & 364 CPS Parking area provided as open surface (m²) & No. of CPS:440 &19 CPS Parking area provided (at any other place-specify) (m²) & No. of CPS: Mechanical 3,889.89 &121 CPS. 																																				
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads: 12 m and 36 m wide road Number of Entry & Exit provided on approach road/s: Four gates will be 																																				

		<p>provided.</p> <ul style="list-style-type: none"> • 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): 5.0 m • Width of all internal roads: minimum 6.0 m 				
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 8 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 2 nos. of percolating wells etc.				
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 2000 KVA Connected load: 2250 KVA Source: Torrent Power Limited • % of saving with calculations: ~40% by use of LED lights, star rated energy efficient electronic consumer durables and solar lights. • 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 125 KVA Fuel & its quantity: HSD, 25 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, automatic sprinkler system in basement, underground static water storage tank-200 KL capacity, terrace tank -40 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc. 				
20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)
	Commercial	G + 13	2,324.96	3	2.00 and 3.03	24
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 21 m • No. & dimensions of RWH tank(s) : 2 No and 2.5m X 2.0 m X 3.0 m • No. and depth of percolations wells : 2 no and 17 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) :200 • Area covered by shrubs and bushes (m²):100 • Lawn covered area (m²):477 • Total Green Area (m²):777 • Green Area % of plot area: 10% • No. of trees and species to be planted: 87 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 of Rs. 20.5 lacs & Rs.8.5 lacs as capital cost & recurring cost				

	allocation for Environmental Management Plan (Rs. in lacs)	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 agricultural land is in the name of applicant & others. Copy of application made for obtaining N.A permission has been submitted.

During the meeting, it was presented that traffic survey was carried out on a road connecting S.G highway & 132 ft ring road, which shows that the road having carrying capacity of 4400 PCU will be adequate enough to cater the total traffic load of 2215 PCU after the proposed project will come into existence. After detailed discussion it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Project plans showing built up area table, FSI area table, Floor area table and plot area statement as presented before the committee.
2. Perspective view of the building(s) to be constructed along with the materials used such as fibers, glass, etc. on the facades or external walls and the impacts thereof on the nearby buildings / residents due to heat island effect and emissions from the air conditioning systems.
3. Floor area details on each floor of commercial building, requirement & provision of staircases as per the requirement of GDCR & NBC norms, details on travel distance of the staircase from the farthest corner of the floor as well as between the two consecutive staircases, details of the exits and staircases on each floor in high rise buildings for evacuation from the top level to the street level along with floor wise evacuation plan in case of emergency etc.
4. 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 in all the buildings.
5. Details on provision to be made for ventilation, natural lighting and CO sensors in basement.
6. 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.
7. Revised layout plan showing two separate ramps for basement.

13.	Cosmos Plus	S.No.270/P 1, 270/P 2, Village: Madvi, Ta. & Dist: Rajkot.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/36948/2015]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Cosmos Plus															
5.	Name of Developer	M/s. Cosmos Developers															
6.	Estimated Project Cost (Rs. In Crores)	25.5 Crores (approx.)															
7.	Whether construction work has been initiated at site? If yes, details there of	--															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 9,249.0 FSI area (m²): 17,338.01 Total BUA (m²): 22,145.02 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>17,341.87</td> <td>17,338.01</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>3,717.11</td> <td>3,704.21</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>924.90</td> <td>988.76</td> </tr> <tr> <td>Max. building height (m²)</td> <td>---</td> <td>19</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	17,341.87	17,338.01	Ground Coverage (m ²)	3,717.11	3,704.21	Common Plot Area (m ²)	924.90	988.76	Max. building height (m ²)	---	19
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Common Plot Area (m ²)	924.90	988.76															
Max. building height (m ²)	---	19															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 10 Nos. No. of Blocks: 10 Scope of buildings/blocks: Hollow plinth + 5 floors. No. & size of Residential Units: 200 flats of 3 BHK No. & type of Commercial Units: -- Details of amenities if any: -- 															
10.	No. of expected residents / users	1200															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):172.50 Source of water: Existing Bore well Waste water generation quantity (KL/day):4.50 Mode of disposal: 20% loss on washing; rest will be collected and reused for concrete Handling, mixing & curing after necessary treatment. Details of reuse of water, if any: as above 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day):116.0 Source of water: will be met through RMC water supply. Waste water generation quantity (KL/day):87.0 Mode of disposal: will be discharged into drainage line of RMC. 															
13.	Status of water supply and drainage line	Will be met through water supply from Rajkot Municipal Corporation and drainage line will be provided by RMC.															
14.	Solid waste Management	Construction Phase: <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></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse											
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse														

		Top Soil	7,500	7,500	Reuse at site for green belt development and backfilling of low laying areas within premises.
		Other excavated earth			Whatever will be used for backfilling.
		Construction debris	142	142	Reuse in construction work , levelling ,road filling
		Steel scrap	4.5 tonnes approx.	--	Sent to scrap vender
		Discarded packing materials	2 tonnes	--	Sent to scrap vender
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 3,432.81 m² Parking area requirement for residential units as per GDCR: 3,432.81 m² Total number of CPS requirement for the project as per NBC : 100 nos. Number of CPS requirement for residential units as per NBC: 100 nos. Total Parking area provided (m²) & No. of ECS: 3,665.38 & 130 Nos. Parking area provided in hollow plinth (m²) & No. of ECS: 3,665.38 & 130 Nos. 			
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads: 12 m & 10.50 m Number of Entry & Exit provided on approach road/s: 3 gates will be provided. Width of Entry & Exit provided on approach road/s: 4 m & 6 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: 6 m & 4 m. 			
17.	Details of Green Building measures proposed.	Capacitors will be provided to improve the power requirement. Light colors will be used for the walls and ceiling. Solar street lighting will be provided in common plot and streets as far as possible. Maximum use of natural ventilation & lighting through proper building orientation. Provision of CFL lighting fixtures in the common areas, roof-top thermal insulation, light colors to reduce the UV absorption, automatic switching system for common building and street lighting.			
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand:377 KVA Connected load: 377 KVA Source: From GEB Energy saving measures: Efficient lamps, luminaries and control devices will be provided. Time switches will be installed for automatic switching off lighting of buildings and street lighting of roads. The transformers and motors will be provided having minimum efficiency of 85%. Use of light colors for the walls and ceiling to reduced the UV absorption and minimize the associated cooling requirement. The building materials, having lower U-value and the insulating material having higher R-value will be selected for optimum energy performance. Energy auditing of buildings will be undertaken to identify 			

		<p>the areas where wastage of energy occurs and for devising measures of energy conservation.</p> <ul style="list-style-type: none"> • DG Sets: Not proposed.
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • The nearest fire stations from the project site are at Kalawada at 3.55 km in NE direction and Mavdi at 3.22 km in E direction which require approximate 10-15 min travel time in case of emergency. • Underground fire water tank with storage capacity of 2 KL X 10 Nos. to be used during fire emergency, will be provided.
20.	Details on staircase: one staircase of 1.2 m width will be provided in each of the proposed residential building.	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:100 m to 150 m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells: 4 nos. • Details on Pre-treatment facilities : Catch pit & Filtration.
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :988.75 • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²):-- • Total Green Area (m²):988.75 • Green Area % of plot area: 11% • No. of trees and species to be planted: 275
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	4.5 Lacks/ Annum
24.	Proposed dust control measures during the construction phase	Use of plastic cover sheet while transporting raw material at site, use of water sprinkling system at site, provision of barricade sheet of steel /tin of minimum 3 m heights to protect the surrounding areas from the dust etc.
25.	Eco friendly building material usage details.	Use of earth blocks, fly ash and Fal-G (fly ash, lime and gypsum) as alternative materials for construction of wall in-place of clay bricks with cement mortar where as applicable.
26.	Documents related to land possession	N.A order submitted by them shows that the land for residential use is in the name of land owners. Sale deed between the land owners & M/s Cosmos Developers, a partnership firm, has been submitted. Rajachithhi obtained from RMC is in the name of partners of M/s Cosmos Developers.

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

1. Full size project plans showing building wise & floor wise built up area, FSI area, floor area & plot area details of the project.
2. Explore the possibility of increasing the parking area provision and revised details on parking provision showing accommodation of two wheelers and four wheelers, its adequacy for the project and norms adopted for the calculations. The details shall include comparative table showing parking requirements as per present RMC/ GDCR and National Building Code (NBC) guidelines and parking area to be provided. The back up calculations showing the numbers and area of residential units in each building, requirement of car parking space according to numbers / area of residential units, each equivalent car space inclusive

of circulation area considered in respect of open parking & ground floor covered parking as per the NBC guidelines etc. shall be furnished. Mark the area of parking on the drawing showing the parking in different colour code. Also details of visitors parking, whether considered in total parking calculations / provisions or not.

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. Permission from the concerned authority for collection of municipal solid waste.
4. 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.

14.	Omkar – II	R.S.No.204, Moje: Piraman, Ta: Ankleshwar, Dist: Bharuch.	Screening & scoping.
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Project proponent has applied for obtaining Environmental Clearance for the building construction project. During the meeting, it was found that the construction activity for the proposed project has already been started without obtaining prior Environmental Clearance. While asking by the committee, it was replied that they have got construction permission for built up area of 19,000 m² from the Town Planning department and as it does not attract the provisions of EIA notification 2006, they have started construction activity for the project. Now they are planning to develop the project with built up area of 32,318.34 m².

During the meeting, after detailed discussion, it was decided to consider the project for screening & scoping / appraisal only after submission of the following:

1. Project plans approved by concerned authority for built up area of 19,000 m² and a copy of permission obtained for construction of the same from concerned authority.
2. Reasons & justification for increase in the built area from 19,000 m² to 32,318.34 m².
3. Layout plan showing the existing constructed buildings & proposed buildings in different colour codes.
4. 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.
5. Detailed justification for initiating the construction activity for the proposed project with all the relevant supporting documents and as to why the construction activity started by them should not be considered as violation of the EIA Notification-2006.
6. Recent photographs showing the date and current status of the project site.

15.	Shyam Sangini I-B	B.No. 25, 27/A ,215,48, O.P.No.102,183, 185 & 171/a, F.P.No.102,183,185 & 171/1, T.P.S.No. 35 (Kumbhariya-Saroli-Sania – Hemad - Devadh), Kumbhariya, Surat	Screening & scoping
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/35260/2015]
2.	Type of Project	Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Shyam Sangini1(B) Warehouse textile market project

5.	Name of Developer	Mr. Jigneshbhai Patel															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 90 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): 10,379 FSI area (m²): 41,485.18 Total BUA (m²):65,415.89 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>41,516.00</td> <td>41,485.18</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>5,189.5</td> <td>4,732.88</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>2,108.75</td> <td>2,108.75</td> </tr> <tr> <td>Max. building height (m)</td> <td>65</td> <td>53.6</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	41,516.00	41,485.18	Ground Coverage (m ²)	5,189.5	4,732.88	Common Plot Area (m ²)	2,108.75	2,108.75	Max. building height (m)	65	53.6
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FSI Area (m ²)	41,516.00	41,485.18															
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Common Plot Area (m ²)	2,108.75	2,108.75															
Max. building height (m)	65	53.6															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:1 No. of Blocks:1 Scope of buildings/blocks: 2 level basement + ground floor + 9 floors No.& size of Residential Units: --- No. & type of Commercial Units:449 units Details of amenities if any: 															
10.	No. of expected residents / users	2020															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 30.0 Source of water: water supply from Gam Panchayat Waste water generation quantity (KL/day): 2.28 KLD Mode of disposal: Details of reuse of water, if any: Soak Pit 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 50.0 Source of water: water supply from Gam Panchayat & packaged drinking water supplier Waste water generation quantity (KL/day): 65.0 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 at the maximum extent possible and remaining quantity of treated sewage will be disposed in to Gam panchayat drain/ recycle for agriculture purpose. In case of STP provision, capacity of STP: - 100.0 KL/day STP Technology: - FMR technology Purposes for treated water utilization: Gardening & flushing. Quantity of treated water to be reused:1.Gardening (KL/day): 5.0 2. Flushing (KL/day): 31.0 Provision of dual plumbing system (Yes/No): -Yes Quantity and type (treated/untreated)of water to be discharged: Treated sewage will be recycled back for flushing & gardening purpose in-house and excess treated sewage will be discharge in to gampanchayat drainage or given to nearby farmer for agriculture purpose. Mode of disposal: as above. 															

13.	Status of water supply and drainage line	---																																	
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1" data-bbox="491 297 1449 1249"> <thead> <tr> <th data-bbox="491 297 715 432"></th> <th data-bbox="722 297 914 432">Generation (m³)</th> <th data-bbox="922 297 1090 432">Quantity to be reused (m³)</th> <th data-bbox="1098 297 1449 432">Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td data-bbox="491 443 715 678">Top Soil</td> <td data-bbox="722 443 914 678">4,365.0</td> <td data-bbox="922 443 1090 678">800.0</td> <td data-bbox="1098 443 1449 678">800 m³ of excavated top soil will be utilized for greenbelt development and remaining quantity of top soil will be utilized for back filling</td> </tr> <tr> <td data-bbox="491 689 715 969">Other excavated earth</td> <td data-bbox="722 689 914 969">74545.66</td> <td data-bbox="922 689 1090 969">990.0</td> <td data-bbox="1098 689 1449 969">990.0 m³ of excavated soil will be utilized for back filling within site. Excess soil will be utilized at other project site after obtaining necessary permission, if any.</td> </tr> <tr> <td data-bbox="491 981 715 1037">Construction debris</td> <td data-bbox="722 981 914 1037">15kg/day</td> <td data-bbox="922 981 1090 1037" rowspan="3">Nil</td> <td data-bbox="1098 981 1449 1037" rowspan="3">Sold off to recyclers/ vendors.</td> </tr> <tr> <td data-bbox="491 1048 715 1104">Steel scrap</td> <td data-bbox="722 1048 914 1104">15kg/day</td> </tr> <tr> <td data-bbox="491 1115 715 1249">Discarded packing materials</td> <td data-bbox="722 1115 914 1249">6kg/day</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1" data-bbox="491 1317 1449 1597"> <thead> <tr> <th data-bbox="491 1317 715 1417">Type of waste</th> <th data-bbox="722 1317 914 1417">Generation Quantity (Kg/day)</th> <th data-bbox="922 1317 1137 1417">Mode of waste collection</th> <th data-bbox="1145 1317 1449 1417">Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td data-bbox="491 1429 715 1462">Dry waste</td> <td data-bbox="722 1429 914 1462">306 kg/day</td> <td data-bbox="922 1429 1137 1597" rowspan="2">Into separate bins to be provided within premises.</td> <td data-bbox="1145 1429 1449 1597" rowspan="2">Final disposal at Khajod Disposal Site</td> </tr> <tr> <td data-bbox="491 1473 715 1507">Wet waste</td> <td data-bbox="722 1473 914 1507">300 kg/day</td> </tr> </tbody> </table> <ul data-bbox="491 1608 1492 1865" style="list-style-type: none"> • Details of segregation if to be done: Separate bins for dry and wet waste will be provided to each unit. • Capacity and no. of community bins to be placed within premises: 1 bin having capacity of 400 kg for dry waste and 1 bin of 315 kg for wet waste will be provided to the building. • Landfill site where waste will be ultimately disposed by local authority: at Khajod Disposal Site 					Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	4,365.0	800.0	800 m ³ of excavated top soil will be utilized for greenbelt development and remaining quantity of top soil will be utilized for back filling	Other excavated earth	74545.66	990.0	990.0 m ³ of excavated soil will be utilized for back filling within site. Excess soil will be utilized at other project site after obtaining necessary permission, if any.	Construction debris	15kg/day	Nil	Sold off to recyclers/ vendors.	Steel scrap	15kg/day	Discarded packing materials	6kg/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	306 kg/day	Into separate bins to be provided within premises.	Final disposal at Khajod Disposal Site	Wet waste	300 kg/day
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Wet waste	300 kg/day																																		
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 20,742.59 m² • Parking area requirement for Commercial units as per GDCR: 20,742.59 m² • Total number of CPS requirement for the project as per NBC :166 																																	

		<ul style="list-style-type: none"> • Number of CPS requirement for commercial units as per NBC:166 • Total Parking area provided (m²) & No. of ECS: 21,375.73 m² and 700 ECS • Parking area provided in basement (m²) & No. of ECS: 16,415.34 m² and 513 ECS • Parking area provided in hollow plinth (m²) & No. of ECS:1,428.34 m² and 51 ECS • Parking area provided as open surface (m²) & No. of ECS: 2,108.75 m² and 92 ECS • Parking area provided (Mechanical Parking) (m²) & No. of ECS:1,423.30 m² and 44 ECS
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:60 m & 18 m wide TP roads. • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s:7.0 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation): --- • Width of all internal roads: 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:3800 KW Connected load:4000 KW Source:DGVCL • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:5 x 132 KVA Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Fire extinguishers at each floor, hose reel at each floor, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 25 KL, underground fire water storage tank of 300 KL, smoke detectors, fire sprinklers etc. • Nearest fire station: Magob 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)
	1	9	4,248.70	4	2.01 m	Less than 30 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 19m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :3 • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²): 600.0 • Area covered by shrubs and bushes (m²): 250.0 • Lawn covered area (m²): 400.0 • Total Green Area (m²): 1250.0 • Green Area % of plot area: 9.63% • No. of trees and species to be planted: 350 trees of local species. 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<ul style="list-style-type: none"> • Green belt development : 60Lacs • Drainage and rain water harvesting: 50 lacs • Sewage treatment plant: 200 Lacs • Solar and energy saving: 30Lacs • Total: 340Lacs 				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, 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.				

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

1. Exact source of water supply during the construction & operation phase of the project and permission / letter of intent from the concerned authority for providing water supply, drainage connection & municipal solid waste collection facility to the project. Details on source of availability of water to the gram panchayat, details of pumping station, STP, final disposal point of sewage by the gram panchayat.
2. Complete management plan of treated sewage during the operation phase including quantity wise break up of treated sewage utilization, design drawing of dual plumbing system, mode of final disposal, management plan during the monsoon season etc.
3. Details of mechanical parking to be provided (also including the details like 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. Layout plan showing provision of adequate margin all round the periphery for easy unobstructed

movement of fire tender without reversing.

5. 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 in the buildings.
6. Copy of permission from Urban Development & Urban Housing Department, Gandhinagar for the proposed FSI of 3.9.
7. Type of activities to be carried out in the proposed commercial units. Undertaking stating that no any kind of manufacturing activity shall be allowed in the commercial units of the proposed project and they will not sold / allot any commercial unit for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.
8. Land possession documents showing ownership of the land by the applicant / project proponent. Copy of permission obtained for non agricultural use of the project site or correspondences made in this regard.

16.	Shiv Shrushti	Block no. 554, Moje: Umbhel, Ta:Kamrej, Dist: Surat.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details									
1.	Proposal is for	New Project [SIA/GJ/NCP/35888/2015]									
2.	Type of Project	Residential / Commercial									
3.	Project / Activity No. [8(a) or 8(b)]	8(a)									
4.	Name of the project	Shiv Shrushti									
5.	Name of Developer	Shiv Shrushti Developers.									
6.	Estimated Project Cost (Rs. In Crores)	Rs. 95.0 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): 26,993.0 • Net Plot Area (m²): 19,304.76 • FSI area (m²): 34,242.25 • Total BUA (m²) : 54,826.64 <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>34,458.90</td> <td>34,242.25</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>8,687.14</td> <td>7,363.05</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	34,458.90	34,242.25	Ground Coverage (m ²)	8,687.14	7,363.05
	Permissible	Proposed									
FSI Area (m ²)	34,458.90	34,242.25									
Ground Coverage (m ²)	8,687.14	7,363.05									

		Common Plot Area (m ²)	1,931.08	6,130.00																
		Max. building height (m)	--	18.30 m																
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 09 Nos. Residential buildings & 2 Nos. Commercial buildings No. of Blocks: 15 nos. of residential blocks + 2 commercial blocks. Scope of buildings/blocks: Residential buildings – basement + hollow plinth + 5 floors. Commercial buildings – basement + ground floor + 4 floors. No. & size of Residential Units: 340 Flats No. & type of Commercial Units: 152 Shops Details of amenities if any: -- 																		
10.	No. of expected residents / users	Expected residents: 1700 Expected shop users: 304 Expected visitors: 500																		
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 14.0 Source of water: Bore well (water level depth: 08 meter) Waste water generation quantity (KL/day): 1.80 Mode of disposal: septic tank & soak pit. Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment. 																		
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total water requirement (KL/day): 275.30 Fresh water requirement (KL/day): 155.52 Source of water: Borewell (Water Level Depth: 18 m) Waste water generation quantity (KL/day): 200.5 Mode of disposal: Sewage to be generated will be treated into STP and treated sewage will be totally reused for gardening & toilet flushing. In case of STP provision, capacity of STP: 200 m³/day STP Technology: Primary, Secondary & Tertiary Treatment Purposes for treated water utilization: Treated sewage will be utilized for gardening and toilet flushing Quantity of treated water to be reused (KL/day): 1. Gardening (KL/day): 24.50 2. Flushing (KL/day): 116.0 Provision of dual plumbing system (Yes/No): Yes Quantity and type (treated/untreated)of water to be discharged: Nil Mode of disposal: Treated sewage will be completely reused for gardening & toilet flushing. 																		
13.	Status of water supply and drainage line	Borewell water will be used. It is proposed to reuse treated sewage completely within premises.																		
14.	Solid waste Management	Construction Phase: <table border="1" data-bbox="448 1664 1532 2074"> <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>3,065.0</td> <td>3,065.0</td> <td>Reuse for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>35,148.0</td> <td>4,583.10 m³</td> <td>Remaining will be send to other project site for back filling & raising the plinth level in consultation with SMC.</td> </tr> <tr> <td>Construction debris</td> <td>576</td> <td>274</td> <td>Reused as a filler up to plinth level and remaining will be reused in outer road</td> </tr> </tbody> </table>				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	3,065.0	3,065.0	Reuse for developing garden area	Other excavated earth	35,148.0	4,583.10 m ³	Remaining will be send to other project site for back filling & raising the plinth level in consultation with SMC.	Construction debris	576	274	Reused as a filler up to plinth level and remaining will be reused in outer road
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Construction debris	576	274	Reused as a filler up to plinth level and remaining will be reused in outer road																	

				development.
	Steel scrap	22	--	Sold to local scrap vendors
	Discarded packing materials	14	--	Sold to local vendors
	Operation Phase:			
	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
	Dry waste	666.72	Blue colour bucket	Through door to door waste collection system of SUDA
	Wet waste	444.48	Green colour bucket	Through door to door waste collection system of SUDA
	STP Sludge	20.0	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: MSW will be disposed at the nearest MSW collection site of SUDA / SMC. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 9,426.0 m² • Parking area requirement for residential units as per GDCR: 7,022.35 m² • Parking area requirement for Commercial units as per GDCR: 2,403.29 m² • Total number of CPS requirement for the project as per NBC : 330 • Number of CPS requirement for residential units as per NBC: 170 • Number of CPS requirement for commercial units as per NBC: 160 • Total Parking area provided (m²) & No. of ECS: 16,897.0 m² & 557 ECS • Parking area provided in basement (m²) & No. of ECS: 11,083.0 m² & 346 ECS • Parking area provided in hollow plinth (m²) & No. of ECS: 5,303.0 m² & 189 ECS • Parking area provided as open surface (m²) & No. of ECS: 511.0 m² & 22 ECS. 		
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 72 m wide road in W direction & 12 m wide road in E direction • Number of Entry & Exit provided on approach road/s: 4 gates will be provided • Width of Entry & Exit provided on approach road/s: 6 m & 7.50 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: 4.5 m, 6 m & 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, provision of STP & reuse of treated sewage etc.		

18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply Maximum demand: 3000 KVA Source: D.G.V.C.L Energy saving measures: use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light, DG Sets No. and capacity of the DG sets: 01 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, down comer, automatic sprinkler system in basement, terrace tank of 25 KL on each building, one electric pump of capacity 900 L/min having pressure 2.0 kg/cm ² at the terrace tank level etc.					
20.	Details on staircase						
	Bldg. No.	Floor No.	Floor Area (m ²)	No. of Passenger Lift	No. of Staircase	Width of Staircase (m)	Maximum Travel Distance up to the Staircase (< 30 m)
	A-B, N-O, P-Q	G (H.P.) + 5	784.06	02	02	1.20	14.94
	C	G (H.P.) + 5	392.03	01	01	1.20	14.94
	D-E, F-G, H-I, J-K, L-M	G (H.P.) + 5	608.24	02	02	1.20	13.14
	Shopping-1	G + 4	733.38	02	02	1.50	20.04
	Shopping-2	G + 4	844.26	02	02	1.50	23.71
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 8.0 m No. & dimensions of RWH tank(s) : 10 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: 10 nos. of percolating wells, depth will be kept up to sand strata level. 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) : 1,080.0 Area covered by shrubs and bushes (m²): -- Lawn covered area (m²): 5,050.0 Total Green Area (m²): 6,130.00 Green Area % of plot area: 31.75 % No. of trees and species to be planted: 180 trees of Asopalav, Coconut Palm Tree, Neem Tree, Gulmohor etc. 					
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 7.75 lacs and recurring cost of Rs. 2.35 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc.					
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.					

25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.
26.	Details on amenities to be provided to construction workers	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession	Village form no. 7 & 12 as on 20/04/2013 shows that the N.A land for residential & commercial use is in the name of M/s Shiv Shrushti Develoeprs through its partners.

During the meeting, the project proponent was asked to obtain requisite permission from concerned competent authority for ground water abstraction for the proposed project. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from the concerned competent authority for ground water abstraction for the proposed project or copy of correspondences made in this regard.
2. Realistic details on treated sewage generation, treatment loss, quantity wise break up of treated sewage utilization and treated sewage management plan during the monsoon season. Capacity of STP based on the quantity of sewage generation during the operation phase & location of STP on layout plan.
3. Revised details with increased parking area provision for the proposed project.

17.	Alpine Moonlight	B.No.149/P, T.P.S.No.22(Sarthana - Valak), F.P.No.2, O.P.No.2, at Sarthana, Dist: Surat.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details			
1.	Proposal is for	New Project [SIA/GJ/NCP/35352/2015]			
2.	Type of Project	Residential			
3.	Project / Activity No. [8(a) or 8(b)]	8(a)			
4.	Name of the project	Alpine Moonlight			
5.	Name of Developer	M/s Alpine Info			
6.	Estimated Project Cost (Rs. In Crores)	Rs. 110.00 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): 11,293.0 • FSI area (m²): 45,000.94 • Total BUA (m²) : 74,421.87 <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%;">Permissible</td> <td style="width: 25%;">Proposed</td> </tr> </table>		Permissible	Proposed
	Permissible	Proposed			

		FSI Area (m ²)	45,002.48	45,000.94																
		Ground Coverage (m ²)	3218.38	2536.29																
		Common Plot Area (m ²)	1129.30	1237.00																
		Max. building height (m)	80.0	70.40																
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 5 nos. No. of Blocks: 5 nos. Scope of buildings/blocks: 2 level basement + hollow plinth + 21 floors. No. & size of Residential Units: 280 Flats No. & type of Commercial Units: -- Details of amenities if any: -- 																		
10.	No. of expected residents / users	Expected residents: 1680 Expected shop users: -- Expected visitors: 400																		
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 15.0 Source of water: Bore well (Water level depth: 20 meter) Waste water generation quantity (KL/day): 2.70 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): 200.0 Fresh water requirement (KL/day): 135.0 Source of water: water supply from S.M.C Waste water generation quantity (KL/day): 156.0 Mode of disposal: U/G drainage line of S.M.C In case of STP provision, capacity of STP: Yes (Sewage Treatment Plant – 200 m³) STP Technology: Ozonization Treatment Purposes for treated water utilization: Treated sewage will be utilized in gardening and toilet flushing Quantity of treated sewage to be reused: 1. Gardening (KL/day): 5.0 2. Flushing (KL/day): 60.0 Provision of dual plumbing system (Yes/No): Yes Quantity and type (treated/untreated) of water to be discharged: Remaining quantity of treated sewage after its utilization in gardening & flushing purpose will be discharged into the drainage line of SMC. Mode of disposal: Into U/G drainage line of S.M.C after treatment & reuse. 																		
13.	Status of water supply and drainage line	Applied for connection of water supply and drainage connection.																		
14.	Solid waste Management	Construction Phase: <table border="1" data-bbox="443 1765 1522 2072"> <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>618.50</td> <td>618.50</td> <td>Reuse for developing garden area</td> </tr> <tr> <td>Other excavated earth</td> <td>66,752.84</td> <td>1,304.26 m³ will be reused for back filling.</td> <td>Disposed to other project site in consultation with SMC</td> </tr> <tr> <td>Construction debris</td> <td>781</td> <td>372 m³ will be reused as a</td> <td>Reused as a filler up to plinth level or reused in</td> </tr> </tbody> </table>				Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	618.50	618.50	Reuse for developing garden area	Other excavated earth	66,752.84	1,304.26 m ³ will be reused for back filling.	Disposed to other project site in consultation with SMC	Construction debris	781	372 m ³ will be reused as a	Reused as a filler up to plinth level or reused in
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Top Soil	618.50	618.50	Reuse for developing garden area																	
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Construction debris	781	372 m ³ will be reused as a	Reused as a filler up to plinth level or reused in																	

			filler up to plinth level.	outer road development	
		Steel scrap	30	--	Sold to local scrap vendors
		Discarded packing materials	19	--	Sold to local vendors
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	504.0	Blue colour bucket	Through S.M.C door to door waste collection system
		Wet waste	336.0	Green colour bucket	Through S.M.C door to door waste collection system
		STP Sludge	20.0	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: 6,750.0 m² • Parking area requirement for residential units as per GDCR: 6,750.0 m² • Total number of CPS requirement for the project as per NBC : 280 • Number of CPS requirement for residential units as per NBC: 280 • Total Parking area provided (m²) & No. of ECS: 21,009.0 m² & 684 ECS • Parking area provided in basement (m²) & No. of ECS: 17,626.0 m² & 550 ECS • Parking area provided in hollow plinth (m²) & No. of ECS: 1,752.0 m² & 63 ECS • Parking area provided as open surface (m²) & No. of ECS: 1,631.0 m² & 71 ECS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 60 m wide road in S Direction • Number of Entry & Exit provided on approach road/s: 2 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): 7.00 m • Width of all internal roads: 7.00 m & 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: 3000 KVA Source: D.G.V.C.L • Energy saving measures: Use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles on terrace floor, maximum use of natural light etc. • DG Sets No. and capacity of the DG sets: 2 x 125 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity – 55 L/h (Note: Interconnection of power supply between each D. G set will be provided to provide power supply during any emergency) 					
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)
A,E	G(H.P)+21	548.09	02	2.00	01	01	14.12
B, C, D	G(H.P)+21	380.59	02	2.00	01	01	10.33
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 20.0 m • No. & dimensions of RWH tank(s) : 06 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: 06 nos. of percolating wells, depth will kept 5 m above ground water table. • 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) : 545.0 • Area covered by shrubs and bushes (m²): -- • Lawn covered area (m²): 692.0 • Total Green Area (m²): 1237 • Green Area % of plot area: 10.00 % • No. of trees and species to be planted: 90 trees of Gulmohar, Neem tree, Coconut palm, Asopalav, Champa etc. 					
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 89.95 lacs and recurring cost of Rs. 4.45 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.

A copy of permission obtained from Airports Authority of India for building height of 80.0 m above the ground level has been submitted by them. After detailed discussion it was decided to consider the project only after submission of the following:

1. Land possession documents showing ownership of the land by project proponent /applicant.
2. Copy of opinion/NOC obtained from Fire Department of SMC. Details on refuge area provision as per the requirement of NBC / GDCR.
3. Details with back up calculation showing that how much of the total energy requirement for the proposed high rise buildings of the project will be compensated by the proposed energy conservation measures & solar energy utilization.

18.	Om Avenue	Revised survey no. 15/1/1, O.P.No.9, F.P. No.9/1, D.T.P.S.No.3, Sanand, Ahmedabad.	Screening & scoping / appraisal.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/33688/2015]
2.	Type of Project	2 BHK Affordable Residential Flats & Shops
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the Project	Om Avenue
5.	Name of Project Proponent	M/s. Prashanti Nilayam Developers
6.	Estimated Project Cost (Rs. In Crores)	27 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): 6,617.0 FSI area (m²): 14,888.12 Total BUA (m²): 25,518.14 <table border="1" data-bbox="475 300 1465 481"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>14,888.25</td> <td>14,888.12</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>2,553.22</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>529.36</td> <td>535.44</td> </tr> <tr> <td>Max. Building Height (m)</td> <td>45</td> <td>24.85</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	14,888.25	14,888.12	Ground Coverage (m ²)	---	2,553.22	Common Plot Area (m ²)	529.36	535.44	Max. Building Height (m)	45	24.85									
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Common Plot Area (m ²)	529.36	535.44																								
Max. Building Height (m)	45	24.85																								
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings :- 4 No. of Blocks :- 9 Scope of Buildings/Blocks: 2 buildings (4 blocks) – Ground floor (parking & shops) + 7 floors. 2 buildings (5 blocks) – hollow plinth + 7 floors No. & size of Residential Units: 244 Flats No. & Type of Commercial Units:- 20 Shops Details of Amenities if any:- None 																								
10.	No. of expected residents / users	Fixed population considered for the project :- 1,280 Persons Floating population considered for the project: 972 Persons/day																								
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):- 13 Source of water:- Local water tanker suppliers Waste water generation quantity (KL/day):- 2.5 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):- 190.0 Source of water:- AUDA/ Sanand Nagarpalika water supply Waste water generation quantity (KL/day): 148.0 Mode of disposal:- Waste water will be discharged through AUDA/ Sanand Nagarpalika drainage system. 																								
13.	Status of water supply and drainage line	---																								
14.	Solid Waste Management	Construction Phase: <table border="1" data-bbox="475 1525 1513 2067"> <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>3,500 m³</td> <td>3,500 m³</td> <td>Development of greenbelt & levelling of low lying areas</td> </tr> <tr> <td>Other Excavated Earth</td> <td>14,000 m³</td> <td>14,000 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>385 m³</td> <td>385 m³</td> <td>Levelling roads, pavements, plot filling, plinth filling etc.</td> </tr> <tr> <td>Steel Scrap</td> <td>3 MT</td> <td>--</td> <td>To be sold to scarp dealer.</td> </tr> <tr> <td>Discarded packing Materials/ Bags</td> <td>1,20,000 Bags</td> <td>--</td> <td>To be sold to authorized vendor.</td> </tr> </tbody> </table>		Generation	Quantity to be reused	Mode of Disposal/Reuse	Top Soil	3,500 m ³	3,500 m ³	Development of greenbelt & levelling of low lying areas	Other Excavated Earth	14,000 m ³	14,000 m ³	Levelling of low lying areas and development of green belt area at proposed site itself.	Construction Debris	385 m ³	385 m ³	Levelling roads, pavements, plot filling, plinth filling etc.	Steel Scrap	3 MT	--	To be sold to scarp dealer.	Discarded packing Materials/ Bags	1,20,000 Bags	--	To be sold to authorized vendor.
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		<p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Type of waste</th> <th>Generation Quantity (kg/day)</th> <th>Mode of waste collection</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Dry waste</td> <td rowspan="2">625 kg/day</td> <td rowspan="2">33 Nos. of bins of 80 litre capacity will be provided for collection of waste.</td> <td rowspan="2">Will be regularly collected by AUDA/Sanand Nagarpalika for disposal</td> </tr> <tr> <td>Wet waste</td> </tr> </tbody> </table> <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 33 Nos. – each of 80 litre capacity • Landfill site where waste will be ultimately disposed by local authority: --- 	Type of waste	Generation Quantity (kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	625 kg/day	33 Nos. of bins of 80 litre capacity will be provided for collection of waste.	Will be regularly collected by AUDA/Sanand Nagarpalika for disposal	Wet waste
Type of waste	Generation Quantity (kg/day)	Mode of waste collection	Mode of Disposal / Reuse								
Dry waste	625 kg/day	33 Nos. of bins of 80 litre capacity will be provided for collection of waste.	Will be regularly collected by AUDA/Sanand Nagarpalika for disposal								
Wet waste											
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 1,846.67 m² • Parking area requirement for residential units as per GDCR: 1,578.75 m² • Parking area requirement for commercial units as per GDCR: 267.92 m² • Total number of CPS requirement for the project as per NBC: 143 CPS • Number of CPS requirement for residential units as per NBC: 122 CPS • Number of CPS requirement for commercial units as per NBC: 21 CPS • Total parking area provided (m²) & No. of ECS: 7,002.12 m² & 286 CPS • Parking area provided in basement (m²) & No. of ECS: 4,580.8 m² & 143 CPS (including CPS provided through Mechanical Parking) • Parking area provided in hollow plinth (m²) & No. of ECS: 1,686.5 m² & 60 CPS • Parking area provided as open surface (m²) & No. of ECS: 467.82 m² & 21 CPS • Parking area provided (at any other place-specify) (m²) & No. of ECS: 267 m² (50 % of total common plot area) & 12 CPS • Parking area provided as mechanical parking in basement (m²) & no. of CPS: 1,600 m² & 50 CPS. 									
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 24 m & 18 m wide T.P.S.roads • Number of Entry & Exit provided on approach road/s: Three gates will be provided including one gate for entry into the basement. • Width of Entry & Exit provided on approach road/s: 4 m (basement entry), 6 m & 7.5 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: 7.5 m & 6 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, solar lights in common sunlit areas, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash, rainwater harvesting by recharging the ground water table with provision for percolation wells, PVC electrical boards, aluminium window frame & marble door frame instead of wood, Rainwater harvesting by recharging the ground water table with provision for 2 percolation wells, maximize the use of light colours in the building envelope - to reduce heat</p>									

		absorption and associated cooling requirements etc.				
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand: During Construction: 50 kW During Operation: 1.6 MW Source: M/s. Uttar Gujarat Vij Company Ltd. (UGVCL) Energy saving by Non-conventional Methods: Use of solar lighting in common sunlit areas Energy saving measures: Use of solar lighting in common sunlit areas, maximum use of LED lights in each block, use of variable frequency drives motors to optimize power consumption, the individual building block has been oriented so as to have maximum natural daylight as well as ventilation, use of building material having lower U-value and the insulating material having higher R-value to have optimum energy performance, maximize the use of light and silent colours in the building envelope so that UV absorption is reduced and associated cooling requirements are minimized. D.G. Sets: Not proposed. 				
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> Nearest fire station is Bodakdev fire station approx. (15 km). Time required for the fire tender to reach at the project site is 30-35 minutes. During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practice, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. During the operation phase: Fire extinguishers of CO2 type (4.5 kg) and DCP type (5 kg) will be provided on each floor, hose reels, down comers, yard hydrants, manually operated electric fire alarm system, automatic detection and alarm system, underground water tank of 150 KL capacity, terrace water tank of 25 KL, two electric and one diesel pump of capacity 2,850 litre per minute and one electric pump of capacity 180 litre per minute will be provided. 				
20.	Details on staircase					
	Type & No. of Buildings	No. of Floors	Floor Area	No. of Staircase	Width of the Staircase	Travel Distance
	A + B	S.P. / H. P. + 7 Floors	402.35 m ²	2	1.52 m	13 m
	C + D	S.P. / H. P. + 7 Floors	400.04 m ²	2	1.52 m	11.5 m
	E + F + G	H. P. + 7 Floors	555.47 m ²	3	1.52 m	16 m
	H + I	H. P. + 7 Floors	402.35 m ²	2	1.52 m	13 m

21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> No. and depth of percolations wells : 2 Nos., 40 m depth Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month.
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) : 520.0 Area covered by shrubs and bushes (m²): -- Lawn covered area (m²): 268.0 Total Green Area (m²): 788 Green Area % of plot area: 12.5 % No. of trees and species to be planted: 90 trees of Asopalav, Gulmohar, Jamun, Badam etc. will be preferred.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 5 lacs & Rs. 8 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase respectively.
24.	Dust control measures	Temporary windshield barriers, regular water sprinkling, tarpaulin sheet cover on the material during the transportation, maximum use of Ready Mix Concrete (RMC), uniform piling of sand and proper storage to avoid dusting.
25.	Eco friendly building materials	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood instead of wood, maximum use of Portland Pozzolona Cement (PPC) containing high amount of fly ash.
26.	Facilities to be provided to the construction workers	Sanitation facilities, drinking water, municipal solid waste collection facility etc.
27.	Documents related to land possession.	Village form no. 6 (hak patrak) as on 06/11/2015 shows that the N.A land has been purchased by M/s Prashanti Nilayam Developers thorough its partner Mr. Omprakash Mohanlal i.e the applicant. N.A permission for residential & commercial use has been obtained on 26/06/2013.

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

- Exact source of water supply during the operation phase of the project. Status of water supply network, drainage network and municipal solid waste collection facility in the area. Copy of permission /letter of intent obtained from concerned competent authority for availability of water supply, drainage connection & municipal solid waste collection facility to the project.

19.	Cliantha Research Limited	Survey Number 366/1, F.P. No 28/1, T.P No: 86, Sarkhej, Ahmedabad	Screening & scoping.
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/37336/2015]															
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	Cliantha Research Limited															
6.	Estimated Project Cost (Rs. In Crores)	50 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 4,510.98 • FSI area (m²): 15,011.72 • Total BUA (m²):24,725.92 <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>16,239.52</td> <td>15,011.72</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>NA</td> <td>2,162.61</td> </tr> <tr> <td>Common Plot Area(m²)</td> <td>451.10</td> <td>451.10</td> </tr> <tr> <td>Max. building height(m)</td> <td>NA</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	16,239.52	15,011.72	Ground Coverage (m ²)	NA	2,162.61	Common Plot Area(m ²)	451.10	451.10	Max. building height(m)	NA	45
	Permissible	Proposed															
FSI Area (m ²)	16,239.52	15,011.72															
Ground Coverage (m ²)	NA	2,162.61															
Common Plot Area(m ²)	451.10	451.10															
Max. building height(m)	NA	45															
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: NA • No. & type of Commercial Units: 300 Beds • Details of amenities if any: No 															
10.	No. of expected residents / users	1508 occupants and 50 visitors															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 21.75 • Source of water: Tankers • Waste water generation quantity (KL/day): 5.73 • Mode of disposal: septic tank • Details of reuse of water, if any: No 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Total water requirement (KL/day): 282.88 • Fresh water requirement (KL/day):171.36 • Source of water: water supply from AMC • Waste water generation quantity (KL/day):112.2 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP and treated sewage will be completely used for gardening, flushing and HVAC cooling purpose within premises. 															

		<ul style="list-style-type: none"> • In case of STP provision, capacity of STP:125 KL/day • STP Technology: Biological • Purposes for treated water utilization: Gardening, Flushing and cooling water make up • Quantity of treated water to be reused:1.Gardening (KL/day): 2.02 2. Flushing (KL/day):3.5 3. Cooling (KL/day):106.0 • Provision of dual plumbing system (Yes/No): Yes • Quantity and type (treated/untreated)of water to be discharged: Treated sewage will be completely reused. • Mode of disposal: as above. 																																												
13.	Status of water supply and drainage line	Available at 0.6 km 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>1950</td> <td>1950</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>37050</td> <td>17,550 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>200</td> <td>90 m³ will be used for development of internal road</td> <td>Balance debris will be handed over to local authority or fill in low laying area</td> </tr> <tr> <td>Steel scrap</td> <td>10</td> <td>0</td> <td>Sold to vendors</td> </tr> <tr> <td>Discarded packing materials</td> <td>18</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>178.96</td> <td>White bins</td> <td>Sold to vendors</td> </tr> <tr> <td>Wet waste</td> <td>268.44</td> <td>Green Bins</td> <td>Municipal bins</td> </tr> <tr> <td>STP Sludge</td> <td>10</td> <td>Green Bins</td> <td>soil conditioner.</td> </tr> <tr> <td>Biomedical waste</td> <td>150</td> <td>Different colour coded containers/bags as per the Biomedical Waste (Management & Handling) Rules 1998.</td> <td>(CBWTF) for its disposal.</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 16 number of community bins to be placed in common areas. • Landfill site where waste will be ultimately disposed by local authority: at the 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1950	1950	Development of landscape area	Other excavated earth	37050	17,550 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	200	90 m ³ will be used for development of internal road	Balance debris will be handed over to local authority or fill in low laying area	Steel scrap	10	0	Sold to vendors	Discarded packing materials	18	0	Sold to vendors	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	178.96	White bins	Sold to vendors	Wet waste	268.44	Green Bins	Municipal bins	STP Sludge	10	Green Bins	soil conditioner.	Biomedical waste	150	Different colour coded containers/bags as per the Biomedical Waste (Management & Handling) Rules 1998.	(CBWTF) for its disposal.
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		nearest MSW collection point of AMC.
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 7,505.86 m² • Parking area requirement for Commercial units as per GDCR:7,505.86 m² • Total number of CPS requirement for the project as per NBC :396 • Number of CPS requirement for commercial units as per NBC:245 • Number of CPS requirement as per NBC for 300 Beds : 150 • Total Parking area provided (m²) & No. of CPS: 12,748.74 & 403 CPS • Parking area provided in basement (m²) & No. of CPS: 6,109.87 & 190 CPS • Parking area provided as open surface (m²) & No. of CPS:529 &23 CPS • Parking area provided (at any other place-specify) (m²) & No. of CPS: Mechanical 6,109.87 &190 CPS.
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m wide road • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s: 6 m. • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5.0 m • Width of all internal roads: minimum 6 m
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 10 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 2 nos. of percolating wells, provision of onsite STP & reuse of treated sewage etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 1334.05 KVA Connected load: 2828.5 KVA Source: Torrent Power Limited. • % of saving with calculations: ~40% by use of LED lights & solar street 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: 2 x 1010 KVA Fuel & its quantity: HSD, 450 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, automatic sprinkler system, underground static water storage tank-200 KL capacity, terrace tank -40 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level, one electric and one diesel pump of capacity 2 280 lit/min and one electric pump of capacity 180 lit/min.

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)
	One	G + 8	2050.39	3	2.1	28
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 19 m • No. & dimensions of RWH tank(s) : 2 No and 2.5m X 2.0 m X 3.0 m • No. and depth of percolations wells : 2 no and 16 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) :200 • Area covered by shrubs and bushes (m²):100 • Lawn covered area (m²):151.10 • Total Green Area (m²):451.10 • Green Area % of plot area: 10% • No. of trees and species to be planted: 70 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. 39 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	Copy of index from subregistrar's office submitted by them shows that the N.A land for commercial use has been purchased by M/s Cliantha Research Limited through its director.				

List & quantity of 42 chemicals, related to clinical research, to be stored within premises has been presented, which shows that only 3 of them have threshold storage quantities as per MSIHC Rules 1989. These three chemicals are Ammonia solution (to be stored 6 litres against the threshold quantity of 50 T), Trifluoro Acetic acid LR (to be stored 0.2 litres against the threshold quantity of 1 kg) and Sodium Chloride (to be stored 2 kg against the threshold quantity of 25 T). After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Project plans showing the built up area, FSI area, Floor area & plot area statement of the project.
2. Copy of necessary permission obtained from concerned competent authority for setting up of the proposed clinical research project.
3. Details on the type of activities to be carried out in the proposed commercial building.

4. Complete storage details of the chemicals including the storage area, MOC of storage containers, hazards associated & mitigation measures etc.
5. Details on the treatment scheme proposed considering the quality of sewage / waste water to be generated from the proposed clinical research activities.
6. Status of availability of water supply, drainage connection and municipal solid waste collection facility in the area along with the supporting documents.
7. Details on provision to be made for ventilation, natural lighting and CO sensors in basement.
8. Details of mechanical parking to be provided (also including the details like 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.
9. Copy of opinion / NOC obtained from Fire & Emergency Department of AMC and plans showing installation of automatic sprinklers.

20.	Sapphire Court	R. S. No. 136, 143, F.P.No. 15, 16, T.P. Scheme No. 5, Vesu-Bhimrad, Surat	Screening & scoping.
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The SEIAA, Gujarat has accorded environmental clearance to M/s Rameshwaram Developers for the building construction project at R. S. No. 136, 143, F.P.No. 15, 16, T.P. Scheme No. 5, Vesu-Bhimrad, Surat vide order no. SEIAA/GUJ/EC/ 8(a)/94/2012 dated 22/03/2012 for the built up area of 39,930.23 m² comprising of 5 building blocks (A to E) housing total 88 flats.

The project proponent vide their proposal no. SIA/GJ/NCP/37299/2015 dated 06/01/2016 for amendment of Environmental Clearance order dated 22/03/2012 for the proposed changes in the project.

It was presented that they want change the planning & scope of the project from completely residential to mixed type project comprising of residential as well as commercial units. The project will be comprising of 3 buildings (1 commercial building & 2 residential buildings) housing total 44 residential units, 779 nos. of shops & offices and a hotel with 79 rooms.

The request for change in scope & planning of the proejct was considered during the meeting. Details of the project after the proposed changes in planning & scope as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/37299/2015]
2.	Type of Project	Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Sapphire Court
5.	Name of Developer	Mr. Suresh Kotadiya
6.	Estimated Project Cost (Rs. In Crores)	Rs. 160 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) 15,990.0 FSI area (m²): 63,687.44 Total BUA (m²):1,03,779.80 <table border="1" data-bbox="443 304 1422 483"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area</td> <td>63,960</td> <td>63,687.44</td> </tr> <tr> <td>Ground Coverage</td> <td>5,754.71</td> <td>5,754.71</td> </tr> <tr> <td>Common Plot Area</td> <td>2,128.22</td> <td>2,128.22</td> </tr> <tr> <td>Max. building height</td> <td>---</td> <td>69.57m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area	63,960	63,687.44	Ground Coverage	5,754.71	5,754.71	Common Plot Area	2,128.22	2,128.22	Max. building height	---	69.57m
	Permissible	Proposed															
FSI Area	63,960	63,687.44															
Ground Coverage	5,754.71	5,754.71															
Common Plot Area	2,128.22	2,128.22															
Max. building height	---	69.57m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:3 (2 residential + 1 commercial) No. of Blocks: 3 ((2 residential + 1 commercial)) Scope of buildings/blocks: 2 residential buildings – basement + hollow plinth + 11 floors. 1 commercial building – 3 level basement + ground floor + 19 floors. <p>Details of the commercial units to come up in the proposed commercial building are as under</p> <p>Ground floor to 3rd floor – shops. 4th floor – restaurant, multiplex, food court, game zone. 5th floor – banquet hall & multiplex. 6th floor – offices, banquet hall, swimming pool, gym, spa. 7th floor – hotel rooms, offices, swimming pool, 8th & 9th floor – hotel rooms & offices. 10th to 19th floor – offices.</p> <ul style="list-style-type: none"> No.& size of Residential Units:44 No. & type of Commercial Units:779 nos. of shops/offices. Multiplex cinema having 300 seats. Restaurant having seating capacity of 150. Hotel with 79 rooms Details of amenities if any:--- 															
10.	No. of expected residents / users	4541															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 30.0 Source of water: SMC water supply. Waste water generation quantity (KL/day): 2.28 Mode of disposal: Into septic tank & soak pit. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Fresh water requirement (KL/day): 300.0 Source of water: SMC water supply & packaged drinking water supplier. Waste water generation quantity (KL/day): 235.0 Mode of disposal: Treated sewage will be discharged in to SMC drainage line after treatment in STP. In case of STP provision, capacity of STP: - 300 KL/day. STP Technology: - FMR technology Purposes for treated water utilization: --- Quantity of treated water to be reused:--- Provision of dual plumbing system (Yes/No): -No Quantity and type (treated/untreated)of water to be discharged: 235 KL/day of treated sewage. Mode of disposal: SMC drainage line. 															
13.	Status of water supply and drainage line	Both drainage and water supply lines exist at site.															
14.	Solid waste	Construction Phase:															

Management			Generatio n (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	
	Top Soil	5,036.62	960	960.0 m ³ of excavated top soil will be utilized for greenbelt development & remaining quantity of Top Soil will be utilized for back filling.		
	Other excavated earth	77,502.76	2,832.92	2,832.92 m ³ of excavated soil will be utilized for back filling within site. Excess soil will be utilized at other project site after obtaining necessary permission, if any.		
	Constructio n debris	15kg/day	Nil	Sold off to recyclers/ vendors.		
	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	600 kg/day	Into separate bins to be provided within premises.	Final disposal at Khajod Disposal Site		
	Wet waste	419 kg/day				
<ul style="list-style-type: none"> • Details of segregation if to be done: Separate bins for dry and wet waste provided to each unit. • Capacity and no. of community bins to be placed within premises: 2 nos of bins having capacity of 300kg each for dry waste and 2 nos of 250 kg for wet waste will be provided to each 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: 27,429.69 m² • Parking area requirement for residential units as per GDCR: 1,891.72 m². • Parking area requirement for Commercial units as per GDCR: 25,537.97 m². • Total number of CPS requirement for the project as per NBC :794 • Number of CPS requirement for residential units as per NBC: 44 • Number of CPS requirement for commercial units as per NBC:750 • Total Parking area provided (m²) & No. of CPS: 30,587.19 m² and 1005 				

		<p>CPS.</p> <ul style="list-style-type: none"> • Parking area provided in basement (m²) & No. of CPS: 24,773.49 m² and 775 CPS. • Parking area provided in hollow plinth (m²) & No. of CPS: 3,040.62 m² and 109 CPS. • Parking area provided as open surface (m²) & No. of CPS: 2,773.06 m² and 121 CPS.
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:45 m wide TP road. • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s:7.5 m & 4.5 m. • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation):7.5 m • Width of all internal roads: 7.5 m & 4.5 m.
17.	Details of Green Building measures proposed.	Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting & ground water recharge, maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.
18.	Energy Requirement, Source and Conservation	<p>Power supply: Maximum demand:4900 KW Connected load:5050 KW Source: DGVCL</p> <ul style="list-style-type: none"> • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:5 × 132 KVA Fuel & its quantity: diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Fire extinguishers (portable & mobile) at each floor, hose reel, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 15 KL, underground fire water storage tank of 300 KL capacity, smoke detectors 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)
	Residential A	11	593.24	2	2.01 m	Less than 30 m
	Residential B	11	553.56	2	2.01 m	Less than 30 m
	Commercial	19	3,650.01	6	2.01 m	Less than 30 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 17m No. & dimensions of RWH tank(s) :- No. and depth of percolations wells :4 Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) :1,200 Area covered by shrubs and bushes (m²):4,00 Lawn covered area (m²): 1,000 Total Green Area (m²): 2,600 Green Area % of plot area: 13.75% No. of trees and species to be planted: 300 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<ul style="list-style-type: none"> Green belt development : 70Lacs Drainage and rain water harvesting: 60 lacs Sewage treatment plant: 250 Lacs Solar and energy saving: 30Lacs Total: 410Lacs 				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.				
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.				
26.	Amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.				
27.	Documents related to land possession.	Village form no. 7 & 12 shows that the N.A land for residential use is in the name of M/s Rameshwaram Developers, a partnership firm.				

They have submitted floor wise plans of the commercial building, which shows that 5 staircases will be provided up to 4th floor and 4 nos. of staircases of 2.01 m width will be provided up to 19th floor. Travel distance between the two consecutive staircases and the travel distance of the nearest staircase from the farthest corner of the floor will not be more than 21 m in any case. During the meeting, the project proponent was suggested to reuse the treated sewage for purposes like flushing, gardening etc. within premises. After detailed discussion, it was decided to further appraise the project only after submission of the following:

1. Justification for the proposed changes with supporting documents.
2. Copy of permission from Urban Development & Urban Housing Department, Gandhinagar for the proposed FSI of 3.9.

3. Details on the basis taken for calculation of parking area requirement for proposed shops & offices. Revised parking area details considering the type & capacity of commercial units to come up in the project including banquet halls.
4. Revised water balance details considering the reuse/ recycle of treated sewage within premises and also considering the water requirement for swimming pools to be provided.
5. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical parameters etc. along with the budget allocation for its installation, operation & maintenance. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing, green belt development etc., its location on the layout plan, STP sludge management plan etc.
6. 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 in the buildings. Details on provision of refuge area/ skip floor as per the requirement of NBC.
7. Copy of permission obtained for residential as well as commercial use of the project site.
8. 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. Measures proposed to comply with the ECBC norms / other international norms proposed for energy conservation. Details with back up calculation showing that how much of the total energy requirement of the proposed high rise buildings of the project will be compensated by the proposed energy conservation measures.
9. Details on provision to be made for ventilation & natural lighting in basement.
10. Explore the possibility of increasing the parking area provision for the project and revised details of the same with back up calculation & parking plans.
11. Perspective view of the building(s) to be constructed along with the materials used such as fibers, glass, etc. on the facades or external walls and the impacts thereof on the nearby buildings / residents due to heat island effect and emissions from the air conditioning systems.
12. Structural stability certificate for the proposed buildings with reference to the seismic zone of the area, swimming pools & water tanks, height of the buildings etc.

21.	Building construction project by Mr. Ajaybhai B. Undhad.	B.No.224, 484, Village: Amadpore, Ta. & Dist: Navsari.	Screening & scoping / appraisal.
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Details on the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
1.	Proposal is for	New project [SIA/GJ/NCP/35101/2015]
2.	Type of Project	Residential Row House Project
3.	Project / Activity No. [8(a) or 8(b)]	Project / Activity No. 8(a)
4.	Name of Project	A Residential Row House Project
5.	Name of Developer	Ajaybhai B. Undhad
6.	Estimated Project Cost (Rs. in Crores)	8.54 Crores.
7.	Whether construction work initiated at site? If yes, details thereof	No

8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 2,71,841.0 • FSI area (m²): 59,117.52 • Total BUA (m²): 69,498.45 m² <table border="1" data-bbox="564 322 1490 521"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>2,89,611.44</td> <td>59,117.52</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>96,537.14</td> <td>59,117.52</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>27,184.10</td> <td>27,308.6</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>7.20</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	2,89,611.44	59,117.52	Ground Coverage (m ²)	96,537.14	59,117.52	Common Plot Area (m ²)	27,184.10	27,308.6	Max. building height (m)	---	7.20
	Permissible	Proposed															
FSI Area (m ²)	2,89,611.44	59,117.52															
Ground Coverage (m ²)	96,537.14	59,117.52															
Common Plot Area (m ²)	27,184.10	27,308.6															
Max. building height (m)	---	7.20															
9.	Building Details	<p>A Residential Row House Type Project has 1491 Row Houses of G + stair cabin.</p> <p>Part 1-559 Row Houses</p> <p>Part 2-932 Row Houses</p>															
10.	No. of expected residents / users	7455 person residence															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • Water requirement (KL/day): 25.0 • Source of water: Bore Well water • Waste water generation quantity (KL/day): 5.5 • Mode of disposal: Temporary septic tank & soak pit tank • Details of reuse of water, if any: Nil 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Total water requirement (KL/day): 1,012.0 • Fresh water requirement (KL/day): 469.0 • Source of water: Water supply from Amadpore Gram Panchayat. • Waste water generation quantity (KL/day): 905.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STPs. Treated sewage will be reused for flushing & gardening purpose within premises and remaining quantity of treated sewage will be reused for irrigation in their adjacent farm. • In case of STP provision, capacity of STP: 2 STPs of 500 KL/day each. • STP Technology: Biological • Purposes for treated water utilization: gardening, flushing & irrigation. • Quantity of treated water to be reused: 1. Gardening (KL/day): 81.0 2. Flushing (KL/day): 462.0, 3. Irrigation in their farm (KL/day): 362.0 • Provision of dual plumbing system (Yes/No): Yes • Quantity and type (treated/untreated) of water to be discharged: Sewage to be generated will be segregated into the black & grey sewage and grey sewage will be treated in the proposed onsite STP. Treated sewage will be reused for flushing & gardening purpose within premises and remaining quantity of treated sewage will be reused for irrigation in their adjacent farm. During monsoon season the treated sewage will be discharged into the drainage line of Amadpore gram panchayat. <p>Mode of disposal: As above.</p>															
13.	Status of water	Local village panchayat will provide water supply & drainage line.															

	supply and drainage line				
14.	Solid waste Management	Construction Phase:			
			Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse
		Top Soil	6,990.70	6,990.70	It will be reused in tree & lawn development.
		Other excavated earth	69,907.00	43,007	It will be reused in internal road development
				26,900	It will be supplied to the village panchayat for making village road.
		Construction debris	50 m ³	50 m ³	Construction debris will be reused in footing & foundation.
		Steel scrap	0.5 MT	0.5 MT	Used in column, footing and foundation
		Discarded packing materials	Cement & Plastic Bags		Cement bag partly reuse in curing purpose & partly sale out in open market while plastic bag sale out to the registered recycler or vendor
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste & Wet waste	2,982.0	Into dustbins to be provided within premises	At the nearby waste dumping site of local gram panchayat.
		<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: 50 bins having volume 0.25 m³ • Authority / agency involved in waste disposal : Gram Panchayat • Landfill/dumping site where waste will be ultimately disposed by local authority. 			

15.	Parking Details	Requirement	Provision
		As per the NBC	745 ECS
		As per the GDCR	6990.70 m ²
			1491 ECS
			34,293.0 m ² as open surface parking within premises of individual bungalows & designated open parking areas outside the bungalows .
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent / approach road: 18 m • No. of Entry and Exit: total 4 gates will be provided. • Width of internal roads: 6.10 m, 7.5 m, 9.15 m & 12.20 m. • Minimum width of open path all around the buildings for easy access of fire tender: 3 m to 4.5 m • Width of Entry & Exit: 12.2 m & 7.5 m. 	
17.	Green building features including measures for conservation of water & energy, use of eco-friendly building materials, etc.	Autoclave Aerated blocks & RMC will be used. Aerated water will be provided. Solar based street lighting. Various energy conservation measures viz. LED lightings fixtures and low voltage lightings in common areas, maximum natural ventilation & light, energy saving electrical appliances i.e. 5 star rating and inverter system through cross ventilation & building orientation etc.	
18.	Energy requirement, source and conservation	<ul style="list-style-type: none"> • Power supply Maximum demand 1500 KVA Source: DGVCL • % of saving with calculation: 25% saving by using CFL, solar lighting & star rated energy efficient electronic appliances. • DG Set: • No. & capacity of D.G.Sets: 8 x50 KVA • Fuel & it quantity: HSD-400 lit/hour 	
19.	Fire and Life Safety Measures	We will provide required fire safety measures as per statutory provision.	
20.	Details on staircase: One staircase will be provided in individual raw houses.		
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 30 feet in monsoon • 45 feet in summer • No. & dimensions of RWH tank(s): • No. and depth of percolations wells: 69 nos. & 40 m • Details on Pre-treatment facilities: Not Applicable 	
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 5,100 m² on periphery of compound wall • Area covered by shrubs and bushes (m²): --- • Lawn covered area (m²): 20,000 m² (On COP) • Total Green Area (m²): 25,100 m² • Green Area % of plot area: 10 % • No. of trees to be planted: 2800 trees of local species Neem, Pipal, Vad, Sevan, Kadam, Gulmohar etc. 	
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	We will allocate fund of rupees 100 lacs for erection & commissioning of STP, for tree plantation & for rain water harvesting.	

	(Rs. in lacs)	
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.	Facilities to construction workers	Sanitation & drinking water facilities, welfare facilities as per Gujarat building & other construction workers rules & regulations
27.	Documents related to land possession	N.A order submitted by them shows that the land for residential use is in the name of applicant.

During the meeting, it was presented that they have not started any kind of construction activity at the project site and photographs showing current status of the project site have also been submitted. It was noticed by the committee that a kotar is passing adjacent to the project boundary. It was presented that provision of minimum required margin between the kotar & the building line of the project site has already been made. The project proponent was asked to obtain necessary permission from concerned competent authority in this regard. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

22.	Residential project by Mr. Kanubhai Nagjibhai Kakadia	Plot No.1, S.No.26/P/5, Village Adhewada, Dist: Bhavnagar.	Screening & scoping / appraisal.
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Details on the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/33688/2015]															
2.	Type of Project	Residential Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Residential scheme developed by Kanubhai N Kakadia															
5.	Name of Developer	Kanubhai N Kakadia															
6.	Estimated Project Cost (Rs. In Crores)	23 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): 6,718.30 FSI area (m²):17,959.33 Total BUA (m²):22,647.34 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>17,959.33</td> <td>17,959.33</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>1,874.87</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>671.83</td> <td>671.87</td> </tr> <tr> <td>Max. building height (m)</td> <td>45 m</td> <td>39 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	17,959.33	17,959.33	Ground Coverage (m ²)	---	1,874.87	Common Plot Area (m ²)	671.83	671.87	Max. building height (m)	45 m	39 m
	Permissible	Proposed															
FSI Area (m ²)	17,959.33	17,959.33															
Ground Coverage (m ²)	---	1,874.87															
Common Plot Area (m ²)	671.83	671.87															
Max. building height (m)	45 m	39 m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:6 No. of Blocks:6 Scope of buildings/blocks: 4 buildings – hollow plinth +elevated ground floor + 11 floors, 2 buildings – hollow plinth + elevated ground floor + 10 															

		floors. <ul style="list-style-type: none"> No. & size of Residential Units: 356 flats No. & type of Commercial Units: --- 																																
10.	No. of expected residents / users	Resi.-1600 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: Water supply from Bhavnagar Area Development Authority. Waste water generation quantity (KL/day): 4.5 Mode of disposal: 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): 196.0 Source of water: Water supply from Bhavnagar Area Development Authority. Waste water generation quantity (KL/day): 173.0 Mode of disposal: Into drainage line of Bhavnagar Area Development Authority. 																																
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by Bhavnagar Area Development Authority..																																
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>500</td> <td>500</td> <td>Top soil will be used in developing garden area and excavated earth if any, 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>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</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>427</td> <td>Into bins to be provided within premises.</td> <td>These bins will be regularly emptied by BADA.</td> </tr> <tr> <td>Wet waste</td> <td>285</td> <td>Into bins to be provided within premises.</td> <td>These bins will be regularly emptied by BADA.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Details of segregation if to be done: No. Capacity and no. of community bins to be placed within premises: Total 45 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil Other excavated earth	500	500	Top soil will be used in developing garden area and excavated earth if any, 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	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	427	Into bins to be provided within premises.	These bins will be regularly emptied by BADA.	Wet waste	285	Into bins to be provided within premises.	These bins will be regularly emptied by BADA.
	Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse																															
Top Soil Other excavated earth	500	500	Top soil will be used in developing garden area and excavated earth if any, will be used for land levelling within premises.																															
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		bins with 80 lit capacities will be provided for residential blocks. <ul style="list-style-type: none"> Landfill site where waste will be ultimately disposed by local authority: final disposal at the MSW dumping / collection site of BADA. 																																			
15.	Parking Details	<ul style="list-style-type: none"> Total parking area requirement for the project as per GDCR: 3,650.24 m². Parking area requirement for residential units as per GDCR: 3,650.24 m². Total number of CPS requirement for the project as per NBC:178 CPS Number of CPS requirement for residential units as per NBC: 178 CPS Total Parking area provided (m²) & No. of CPS: 6,076.29 m² & 251 CPS Parking area provided in hollow plinth (m²) & No. of CPS:1,751.90 m² & 63 CPS. Parking area provided as open surface (m²) & No. of CPS: 4,324.39 m² & 188 CPS. 																																			
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads: 30 m wide road. Number of Entry & Exit provided on approach road/s: Two gates will be provided. Width of Entry & Exit provided on approach road/s: 7.30 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 6 m Width of all internal roads:7.3 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:Paschim Gujarat Vij Company Ltd Maximum demand:1000 KVA Connected load:1500 KVA Source: Paschim Gujarat Vij Company 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:1 x 150 KVA Fuel & its quantity:HSD-30 lit/hr 																																			
19.	Fire and Life Safety Measures	During the operation phase: Underground water tanks- 100 KL x 2 nos., terrace water tank of 20 KL capacity on all the buildings, fire extinguishers, fire alarms, hose reels, external hydrants & wet risers, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, first aid box, displaying of important telephone numbers etc.																																			
20.	Details on staircase: <table border="1" data-bbox="156 1659 1275 1973"> <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 (m)</th> <th>Floor area (m²)</th> </tr> </thead> <tbody> <tr> <td>Block A</td> <td>10.74</td> <td>1</td> <td>1.50 m</td> <td></td> </tr> <tr> <td>Block B</td> <td>11.39</td> <td>1</td> <td>1.50 m</td> <td></td> </tr> <tr> <td>Block C</td> <td>10.52</td> <td>1</td> <td>1.50 m</td> <td></td> </tr> <tr> <td>Block D</td> <td>11.58</td> <td>1</td> <td>1.50 m</td> <td></td> </tr> <tr> <td>Block E</td> <td>19.94</td> <td>1</td> <td>1.50 m</td> <td></td> </tr> <tr> <td>Block F</td> <td>16.60</td> <td>1</td> <td>1.50 m</td> <td></td> </tr> </tbody> </table>		Type of block	Distance of stair case from the farthest corner (m)	Number of Stair case	Width of Stair case (m)	Floor area (m ²)	Block A	10.74	1	1.50 m		Block B	11.39	1	1.50 m		Block C	10.52	1	1.50 m		Block D	11.58	1	1.50 m		Block E	19.94	1	1.50 m		Block F	16.60	1	1.50 m	
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Block F	16.60	1	1.50 m																																		
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 																																			

		<ul style="list-style-type: none"> No. and depth of percolations wells:3 nos. of percolating wells,10 m Details on Pre-treatment facilities : --
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²):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. 14 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 26.0 lacs and recurring cost of Rs. 6.0 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.
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 & N.A. order shows that the land for residential use is in the name of applicant.

During the meeting, it was noticed by the committee that out of the total 356 residential units, 176 units are of 2 BHK & 180 units are of 1 BHK. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Copy of project plans showing building & floor wise actual built up area, FSI area, Floor area details, plot area statement of the project etc.
2. Floor area details of each building and provision of staircases in the proposed buildings based on the requirement of NBC & GDCR in this regard.
3. Copy of permission or letter of intent obtained from Bhavnagar Area Development Authority for provision of water supply, drainage connection & municipal solid waste collection facility to the project.

The following project was also discussed during the meeting:

1. IT Park & Mall project at S.No.4,5,6,7,8,9,10 at village Koba, Gandhinagar proposed by Acqualine properties Pvt. Ltd.

The project was accorded Environmental Clearance vide order no. SEIAA/GUJ/EC/8(b)/126/2008 dated 10/10/2008. The project proponent applied for validity extension of Environmental Clearance to SEIAA Gujarat vide letter dated 04/09/2013. SEIAA Gujarat vide letter dated 23/09/2014 informed The Regional Office Ahmedabad to carry out site visit and to obtain opinion of SEAC in this regard. Joint visit of the project site was carried out by SEAC & GPCB RO Gandhinagar and Dr. Mayuriben Pandya, member of SEAC remained present during the visit. During the visit it was found that from the total eight buildings only one twin type building was found constructed and in operational condition. Water requirement of the project is being met through the water supply from Sardar Sarovar Narmada Nigam Limited. Sewage (about 60.0 KL/day) of the building is being treated in the onsite STP, which was found

functioning during the time of visit. As per the information given by the person contacted, the treated sewage is being used in landscaping & gardening. They were suggested to make provision of pakka approach road to STP. Compliance report of the conditions stipulated in the EC order, details of STP and status of construction carried out at the project site were also submitted by the project proponent. The matter was discussed and it was decided to recommend the project to SEIAA Gujarat for grant of validity extension of Environmental Clearance dated 10/10/2008 for further 7 years.

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

1. Swagat Clifton, R.S. No. 71/2, 73/1, Block No. 125+129, O.P. No. 64, F.P. No. 36, T.P.S.No. 43 (Bhimrad), Choryasi, Surat.
2. Pushti Enterprise, S.No.223, Mujmahuda, Vadodara.
3. K.P Patel, Block No.185.T.P.S No.35, O.P.No.- 60, F.P No-60, At- Kumbharia , 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 V. N. Patel, Member, SEAC.	
6.	Shri Hardik Shah, Secretary, SEAC.	