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

The 279<sup>th</sup> meeting of the State Level Expert Appraisal Committee (SEAC) was held on 17<sup>th</sup> 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, Koteshwar, Gandhinagar.	Screening & scoping / appraisal.

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/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	• Land / Plot Area (m <sup>2</sup> ): 8,550.0					
	-	• FSI area (m <sup>2</sup> )	· · ·				
		Total BUA (m					
			,,.				
				P	ermissible	Proposed	
		FSI Area (m <sup>2</sup> )			8,020.34	28,020.34	
		Ground Cover	rage (m <sup>2</sup> )		•	2,726.43	
		Common Plot		8	55.00	858.38	
		Max. building	· · · /			45	
9.	Building	No. of Buildin	as:4				
	Details	No. of Blocks	•				
				ks 2	buildings – b	asement + ground floor (parking &	
		-	-		-	+ hollow plinth + 12 floors.	
		<ul> <li>No.&amp; size of I</li> </ul>		•		- 110110W pillitit + 12 110013.	
10		No. & type of			•		
10.	No. of	Resi1000 use				'n	
	expected residents /	Shops – 92 fixe	ed & about	138 V	isitors.		
	users						
11.	Water & waste	Water require	ement (KL/	dav):3	0.0		
	water details	<ul> <li>Source of war</li> </ul>	,	• •			
	during	Waste water					
	construction	<ul> <li>Mode of dispose</li> </ul>	•	•	• • •		
	phase	•		•	-	JIC	
40	Mater 9 weets	Details of reu					
12.	Water & waste water details	• Fresh water r	•	•	• /		
	during	<ul> <li>Source of war</li> </ul>					
	operation	<ul> <li>Waste water</li> </ul>	•	•	•		
	phase	<ul> <li>Mode of dispose</li> </ul>	osal: Into c	Irainag	ge line of AUI	DA.	
13.	Status of water	Water supply&	drainage l	ine wi	ll be provided	by AUDA.	
	supply and						
4.4	drainage line						
14.	Solid waste	Construction P	nase: Genera	tion	Quantity to	Mode of Disposal / Reuse	
	Management		(m <sup>3</sup> )	lion	be reused	Node of Disposal / Reuse	
			(11)		$(m^3)$		
		Top Soil	75000		75000	Top soil will be used in	
		Other				developing garden area and	
		excavated				excavated earth will be	
		earth				used for land levelling within	
						premises.	
		Construction	Whatso	ever	Whatsoeve		
		debris	\//bataa	<u></u>	14/h ata a ay a	base within premises.	
		Steel scrap	Whatso	ever	Whatsoeve	r Will be sold to vendors.	
		Discarded	Whatso	ever	Whatsoeve	r Will be sold to vendors.	
		packing		2.01			
		materials					
			·				
		Operation Phas					
	1	Type of C	Generati	erati Mode of waste		Mode of Disposal / Reuse	
			on	colle	ction		

			<b>A</b>		1			
			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> <li>Details of segregation if to be done:N.A.</li> <li>Capacity and no. of community bins to be placed within premises:Total 24 bins with 80 lit capacity will be provided for residential blocks &amp; 6 bins with 80 lit capacity will be provided for commercial units.</li> <li>Landfill site where waste will be ultimately disposed by local authority: At the nearest MSW collection point of AMC/AUDA.</li> </ul>						
15.	Parking Details							
16.	Traffic Management	<ul> <li>Number of</li> <li>Width of Er</li> <li>Minimum w</li> </ul>	Entry & Exit htry & Exit pr ridth of oper luding the w	ovided on approach n path all around th idth for the plantation	ach road/s: one gate is proposed. h road/s: 7.5 m he buildings for easy access of fire			
17.	Details of Green Building measures proposed.	applications.	Lead free		paving blocks and any cement be used for painting wooden and			
18.	Energy Requirement, Source and Conservation	<ul> <li>Power supply: Torrent Power Limited</li> <li>Maximum demand: 1000 KVA</li> <li>Connected load: 2000 KVA</li> <li>Source: Torrent Power Limited</li> <li>Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc.</li> <li>DG Sets:</li> <li>No. and capacity of the DG sets:1 x 150 KVA</li> <li>Fuel &amp; its quantity:HSD-50 lit/hr</li> </ul>						
19.	Fire and Life Safety	Dedicated	undergrour	nd & terrace wa	ter tanks for fire fighting, fire			

20.	Measures Details on stairc Type of block Block A +B Block C	automatic with press displaying • Name of th Distance fr Time requi	sprinkler syste sure pump, a of important te ne nearest fire rom the project	em in basement, uto operation wi elephone numbers station: Chandkh t site: About 3 Km	eda Fire Station
	Block D	552.08	1	2.1	<30 m
21.	Rain Water Harvesting (RWH)	<ul><li>No. &amp; dime</li><li>No. and de</li></ul>	e Ground wate ensions of RW epth of percola Pre-treatment	H tank(s):nil tions wells:3 nos.	of percolating wells, 10 m
22.	Green area details	<ul> <li>Area cover</li> <li>Lawn cover</li> <li>Total Green</li> <li>Green Are</li> </ul>	red area (m²): n Area (m²):1, a % of plot are	and bushes (m²): 700.00 558.38	
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of waste wate construction lacs has be belt develop	Rs. 14.0 lacs r & waste r phase. Capita en proposed f ment, rain wat	has been proposinanagement, pro- al cost of Rs. 26 for installation of the target of tar	sed for water sprinklers, barricades, ovision of PPEs etc. during the .0 lacs and recurring cost of Rs. 6 energy efficient appliances, green ground water recharge, waste water during the operation phase.
24.	Dust control measures	Water sprink	ling, maintaini	ng roads & trees	to avoid dust generation etc.
25.	Eco friendly building material usage details.	cement appl and metal su	ications. Lead Irfaces.	free paint, enam	in concrete, paving blocks and any els will be used for painting wooden
26.	Details of basic amenities to be provided to construction workers.	solid waste.			er, bins for collection of municipal
27.	Documents related to land possession.	through their	power of Atto	rney holder Mr. N	ne of Mr. Babubhai Patel & others Aalay 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:

- 1. 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.
- 2. Layout plan showing two gates for entry / exit.

the	e same along with th Building construction	e no. of		r panels, solar water	ater heaters etc. and details heaters etc. to be provided. Screening & scoping /			
	project by M/s Gala Developers.		157 + 193/2 + 199/p, Ghuma, Tehsil: Daski Ahmedabad	Draft TPS No: 3,	appraisal.			
etails	s of the proposed pro	oject as	presented before the c	ommittee are tabula	ted below:			
Sr. No.	Particulars	Details						
1.	Proposal is for	New P	roject [SIA/GJ/NCP/33	671/2015]				
2.	Type of Project		ntial Cum Commercial					
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)						
4.	Name of the project	Reside	ntial Cum Commercial					
5.	Name of Developer	Gala S	afal Developers					
6.	Estimated Project Cost (Rs. In Crores)	80 Cro	res					
7.	Whether	No						
1.	construction	No						
	work has been							
	initiated at site?							
	If yes, details							
	thereof							
8.	Project Details	• Land	/ Plot Area (m <sup>2</sup> ): 19,32	5				
	,		Plot Area (m <sup>2</sup> ): 11,594.4					
			rea (m <sup>2</sup> ):31,305.12					
			BUA (m <sup>2</sup> ):61,497.77					
		- Total	DO/ (III ).01, 107.17					
				Dormiosible	Drapaged			
		EQL A	$rop(m^2)$	Permissible	Proposed 31,305.12			
			$\frac{\text{rea} (\text{m}^2)}{\text{rea} (\text{m}^2)}$	31,305.12 NA				
			nd Coverage (m²) non Plot Area (m²)		3,582.76			
		-	building height (m)	1,159.4 NA	1,160			
9.	Building Details		f Buildings:8 residentia					
0.			f Blocks: 8 residential -					
					an 2 loval bacament :			
					ngs – 2 level basement +			
			+ 2 floors.	ommercial bulluling -	- 2 level basement + ground			
			size of Residential Uni	to: 207 unito				
			type of Commercial U	-				
10.	No. of our sets of		Is of amenities if any: c					
()	No. of expected	1886 0	1886 occupants and 300 visitors					
	residents / users	Water requirement (KL/day): 21.75						
1.	Water & waste	Wate	r requirement (KL/day)	: 21.75				
			r requirement (KL/day) ce of water: Water tank					

	construction	Mode of dispos	sal: Soak pit.					
	phase	Details of reus	e of water, if any	y: No				
12.	Water & waste	<ul> <li>Total water red</li> </ul>	quirement (KL/da	ay): 251.37				
	water details	<ul> <li>Fresh water requirement (KL/day): 160.44</li> </ul>						
	during operation	Source of wate	er: Water supply	from AUDA.				
	phase			ity (KL/day): 196.9	)1			
			•	ound drainage lin				
		-	-	city of STP: Yes,				
		STP Technolo	•	,	- · · · <b>·</b>			
			•••••	ization: gardening	& flushing			
				• •	ardening (KL/day):5.22	2. 2.		
		Flushing (KL/d				_,		
				stem (Yes/No): Ye	s			
					be discharged: Sewag	ne to		
					k & grey sewage and			
					STP. Treated grey sev			
					oses within premises.			
					ng with the untreated k			
				the drainage line		onaon		
		Mode of dispose	-	and aramage into				
13.	Status of water	Available at 150						
	supply and			•				
	drainage line							
14.	Solid waste	Construction Ph	ase:					
	Management		Generation	Quantity to be	Mode of			
			$(m^3)$	reused (m <sup>3</sup> )	Disposal /			
			( )		Reuse			
		Top Soil	2900	2900	Development			
			2000	2000	of landscape			
					area			
		Other	55100	24360 m <sup>3</sup> will	Balance earth			
		excavated	00100	be used for	will be used at			
		earth		back filling	other projects			
				and raising	as per			
				plinth level.	requirement.			
		Construction	600	380 m <sup>3</sup> will be	Balance			
		debris		used for	debris will be			
				development	handed over			
				of internal	to AUDA			
				road.				
		Steel scrap	15	0	Sold to			
					vendors			
		Discarded	8	0	Sold to			
		packing	Ŭ	Ŭ	vendors			
		materials			Vondoro			
		materiale						
		Operation Phase	e:					
		Type of waste	Generation	Mode of	Mode of			
			Quantity	waste	Disposal /			
			(Kg/day)	collection	Reuse			
		Dry waste	453.6	White bins	Sold to			
			+55.0		vendors			
		Wet waste	680.4	Green Bins	Municipal bins			
		STP Sludge	9	Green Bins	Municipal bins			

		<ul> <li>Details of segregation if to be done: yes</li> <li>Capacity and no. of community bins to be placed within premises: 15 kg and 10 number of community bins to be placed in common area</li> <li>Landfill site where waste will be ultimately disposed by local authority: at the nearby waste collection point of AUDA/AMC.</li> </ul>
15.	Parking Details	<ul> <li>Total parking area requirement for the project as per GDCR:7195.7 m<sup>2</sup></li> <li>Parking area requirement for residential units as per GDCR: 5637.90 m<sup>2</sup></li> <li>Parking area requirement for Commercial units as per GDCR: 1557.8 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC :257</li> <li>Number of CPS requirement for commercial units as per NBC: 194</li> <li>Number of CPS requirement for commercial units as per NBC:63</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 19,315.7 &amp; 622 CPS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS:16,117.5 &amp; 503CPS</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS:2448.2 &amp; 87 CPS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 750 &amp; 32 CPS.</li> </ul>
16.	Traffic Management	<ul> <li>Width of adjacent public roads: Two 24 m wide roads</li> <li>Number of Entry &amp; Exit provided on approach road/s: Three gates will be provided.</li> <li>Width of Entry &amp; Exit provided on approach road/s: 7.5 m &amp; 4.5 m</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4.5 m</li> <li>Width of all internal roads: 4.5 m, 6.0 m &amp; 7.5 m.</li> </ul>
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> <li>Power supply: Maximum demand: 2750 KVA Connected load: 3000 KVA Source: UGVCL</li> <li>% of saving with calculations: ~40% by use of LED &amp; solar lights and star rated energy efficient electronic consumer durables</li> <li>Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area</li> <li>DG Sets: No. and capacity of the DG sets:1 x 40 KVA Fuel &amp; its quantity: HSD, 10 litre/hr</li> </ul>
19.	Fire and Life Safety Measures	<ul> <li>During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor &amp; ambulance service.</li> <li>During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, down comer, automatic sprinkler system in basement, underground static water storage tank-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.</li> </ul>

20.	Details on stairca	se					
	Type & no of building		Floor area m <sup>2</sup>	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	
	Н	HP + 14	406.93	1	2.0	21	
21.	Rain Water Harvesting (RWH)						
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>) :400</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>):250</li> <li>Lawn covered area (m<sup>2</sup>):510</li> </ul>					
		Total Green Area (m <sup>2</sup> ):1160					
		Green Area % of plot area: 10%					
		No. of trees	and species	to be planted:	174 number of t am and Gulmoh	rees and Limbdo,	
23.	Dust control					cement loading	
20.	measures		•	•		•	
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)		area, covering the excavated earth with tarpaulin sheet etc. 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.				num use of RMC,	
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 possessionRevised distribution form under Gujarat Town Planning & UrbanDevelopment Act – 1976 shows that the land has been allocated to M/s GalaSafal 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.

0		DON 00/0 07/ DN 4 400	
3.	I win Towers (Old Name:	R.S.No.26/2,27/p, P.No.1+1&2,	Screening & scoping.
	Sun City Towers)	F.P.No.31/4, 29/2, T.P.S.No.7, O.P.No.	
		29, 31/p, Nanamava, Dist: Rajkot.	

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

Sr.	Particulars		Details				
No.							
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 : Si	un 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						
			Permissible	Proposed			
		FSI Area (m <sup>2</sup> )		29,234.09			
		Ground Coverage (m <sup>2</sup> )		2,452.00			
		Common Plot Area (m <sup>2</sup> )		975.41			
		Max. building height (m)		70			
9.	Building Details	<ul> <li>No. of Buildings:3</li> <li>No. of Blocks:5</li> <li>Scope of buildings/blocks: 2 buildings (4 blocks) – 2 level basement + ground floor + 21 floors, 1 building - 2 level basement + ground floor + 3 floors</li> <li>No.&amp; size of Residential Units:N.A</li> <li>No. &amp; type of Commercial Units:328 Offices &amp; 51 Showrooms.</li> </ul>					
10.	No. of expected residents / users	Resi3800 users including f	loating population				
11.	Water & waste	Water requirement (KL/da	y):30.0				
	water details	Source of water: Rajkot M	unicipal Corporati	on (RMC) water supply			
	during	Waste water generation que					
	construction phase	Mode of disposal: Into sep	<b>,</b> ( <b>,</b> ),				
			nic latik & Suak pli	L.			

		Details of reuse of water, if any:N.A.						
12.		Fresh water requirement (KL/day):140.0						
	water details	Source of water:RMC water supply						
	during operation	Waste water generation quantity (KL/day):122.0						
	phase	Mode of a	dispo	sal: Into	o draina	age line of RMC		
13.	Status of water					vill be provided		
	supply and			· ·				
	drainage line	-						
14.		Constructio	on Ph					
	Management			Genera (m <sup>3</sup> )	ation	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	
		Top Soil Other		65,800	)	65,800	Top soil will be used in developing garden area	
		excavated earth	t				and excavated earth will be used for land levelling within premises.	
		Constructi debris	ion	Whats		Whatsoever	Will be used as road sub base within premises.	
		Steel scra	р	Whats	oever	Whatsoever	Will be sold to vendors.	
		Discarded packing materials	d Whats		oever	Whatsoever	Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.	
		Operation Phase:						
		Type of waste	Generati on Quantity( Kg/day)		nerati Mode of waste collection antity(		Mode of Disposal / Reuse	
				511 In pr		Into bins to be provided within	Door to door waste collection system of RMC.	
		Wet waste	34	1		oins to be ded within	Door to door waste collection system of RMC.	
		Details of	l f seai	regation		e done: No.	<u> </u>	
		<ul> <li>Capacity</li> </ul>	and	no. of co	ommur		laced within premises: Total 74	
			ite wł	nere wa	ste will	be ultimately d	isposed by local authority: at the	
15.	Parking Details		ct as per GDCR: 14,552.65 m <sup>2</sup> .					
	Ŭ		•		•		nits as per GDCR: $14,552.65 \text{ m}^2$ .	
		•		-			oject as per NBC:292 CPS	
					•	•	I units as per NBC:292 CPS	
				•			PS:15,096.78 m <sup>2</sup> & 500 CPS	
			-	-			& No. of CPS: 6,377.44 m <sup>2</sup> & 199	
			area p	orovidec	l in 2 <sup>nd</sup>	basement (m <sup>2</sup> )	& No. of CPS: 6,377.44 m <sup>2</sup> & 199	

			CPS				
			<ul> <li>Parking area</li> </ul>	provided as op	en surface (m <sup>2</sup> ) &	No. of CPS: 2,34	1.90 m <sup>2</sup> & 102
			CPS.	·			
16.	Traffic		Width of adiad	cent public road	ls: 45 m, 12 m & 9	9 m wide roads.	
	Management		-	•	ded on approach		
	-			<i>,</i>	d on approach ro		
			•	•	• •	ildings for easy ac	ccess of fire
				• •	or the plantation):	•	
			Width of all int	•	•	0	
17.	Details of Gree	n				ving blocks and	any cement
	Building measure		•		•	used for painting	•
	proposed.		metal surfaces.	•			g needon and
18.	Energy				rat Vij. Company	l td	
	Requirement,			nand:1500 KV		210.	
	Source and		Connected loa				
	Conservation				Company Ltd.		
						ent electrical appli	iances.
			0, 0	•	0,	uilding orientation	-
			DG Sets:	5	5 1 1	<b>J</b>	
				city of the DG s	ets: 2 × 150 KVA		
			Fuel & its qua	•			
19.	Fire and Life		•		Inderground wate	r tanks- 90 KL × 1	2 nos., terrace
	Safety Measur	es	water tank of 20 KL capacity on all the buildings, fire extinguishers, fire alarms,				
			hose reels, ex	ternal hydrant	s & wet risers,	automatic sprink	der system in
			basement, pun	nping arrangei	ment system-rise	er with pressure	e pump, auto
			operation with	pressure switch	n, first aid box, di	splaying of impor	tant telephone
			numbers etc.				
20.	Details on stail	rcase:		-			
	Type of		stance of stair	Number of	Width of Stair	No. of floors	
	block		ase from the	Stair case	case (m)		
	Block A	Tartr	nest corner (m) 25.26	2	2.0	2 B + G+ 21	
	Block B		25.26	2	2.0	2 B + G+ 21 2 B + G+ 21	
	Block C		25.29	1	2.0	2 B + G+ 3	
21.	Rain Water	1	Level of the G	round water ta		_	
	Harvesting		• No. & dimensi				
	(RWH)				s wells:4 nos. of p	ercolating wells.	
			Details on Pre-treatment facilities :				
22.	Green area de	tails	• Tree covered	area (m <sup>2</sup> ):100.	0		
					_		
			<ul> <li>Area covered by shrubs and bushes (m<sup>2</sup>):</li> <li>Lawn covered area (m<sup>2</sup>):900.0</li> </ul>				
			<ul> <li>Lawn covered area (m<sup>-</sup>):900.0</li> <li>Total Green Area (m<sup>2</sup>):1000.0</li> </ul>				
			Green Area %	. ,			
			<ul> <li>No. of trees at</li> </ul>	•			
23.	Budgetary			•	•	for water sprinkle	rs, barricades
20.	allocation for				• •	on of PPEs et	
	Environmental				•	cs and recurring of	•
	Management F	Plan	-	-		ergy efficient app	
	(Rs. in lacs)					nd water recharge	•
	L				t Dated 17 02 2016		,

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

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	B. No.43, F.P.No.45, O.P.No.40, T.P.S.	Screening	&	scoping	/
	project by Dilipbhai D.	No- 17 (Puna), DistSurat	appraisal.			
	Patel.					

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/336		
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	y Mr. Dilipbhai D. Pat	tel
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> <li>Land / Plot Area (m<sup>2</sup>): 13,175</li> <li>FSI area (m<sup>2</sup>): 26,501.43</li> <li>Total BUA (m<sup>2</sup>): 41,806.72</li> </ul>	5.0 Permissible	Dropood
		FSI Area (m <sup>2</sup> )		Proposed
		· · · ·	29,446.04	26,501.43
		Ground Coverage (m <sup>2</sup> )	5,731.04	5,727.12
		Common Plot Area (m <sup>2</sup> ) Max. building height (m)	1,317.50 45	1,318.05 17.95
9.	Building Details	<ul> <li>No. of Buildings: 10 Nos.</li> <li>No. of Blocks: 18 Nos.</li> <li>Scope of buildings/blocks: Bafloors,</li> <li>&amp; size of Residential Units: 3</li> <li>No. &amp; type of Commercial Units: No. &amp; type of Commercial Units: No. &amp; type of amenities if any: No.</li> </ul>	52 Nos. (2 BHK- 140 hits: 24 Nos. of Sho	) & 3 BHK -212)
10.	No. of expected residents / users	1584 nos. residential users, 24	Commercial users	
11.	Water & waste water details during construction phase	<ul> <li>Water requirement (KL/day):</li> <li>Source of water: water supple</li> <li>Waste water generation quater</li> <li>Mode of disposal: disposed</li> <li>Details of reuse of water, if a</li> </ul>	y from S.M.C ntity (KL/day): 1.15 through onsite septic	

		will be reused	for curing							
12.	Water & waste	Fresh water requirement (KL/day): 222.0								
	water details	Source of water: water supply from S.M.C								
	during operation	Waste water generation quantity (KL/day): 174,0								
	phase	-		hrough SMC unde		e.				
13.	Status of water	•	•	ound sewer line ar	•					
	supply and drainage line		p )							
14.	Solid waste	Construction Ph	Construction Phase:							
	Management		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse					
		Top Soil	20,653	20,653	Excavated surplus earth and					
		Other			construction debris will be					
		excavated			refilled at low					
		earth			lying areas in					
		Construction debris	48	48	the project premises and top soil will be used for greenbelt development.					
		Steel scrap	5.6 MT	5.04 MT	Disposal to recycler					
		Discarded packing materials	1 MT		Disposal to recycler					
		Operation Phase:								
		Type of waste	Generation	Mode of	Mode of					
			Quantity (Kg/day)	waste	Disposal / Reuse					
		Dry waste Wet waste	978 Kg	Into bins to be provided within premises	Disposal through door to door waste collection system SMC					
		<ul> <li>Details of seg</li> </ul>	regation if to be	done: The solid w		vill be				
		segregated in collected in se	•	e and non-biodegr	adable wastes an	d				
			•	y bins to be place	d within premises:	140 liter				
		each; 15 nos.		,						
		-	-	be ultimately dispo	sed by local autho	ority:				
				fer station reaches	•	-				
45		Khajod				0 = 4 2				
15.	Parking Details		•	nt for the project as	•	-				
		•	•	residential units as	•	_				
		•	•	Commercial units	•					
		Total number	of CPS requirer	nent for the projec	t as per NBC:190	nos.				

					•			s per NBC: 17	
			<ul> <li>Number of CPS requirement for commercial units as per NBC: 14 nos.</li> <li>Number of CPS requirement as per NBC for (specify in case of any other):</li> </ul>						
			<ul> <li>Nun</li> <li>NA</li> </ul>	nber of CF	'S requirem	nent as pei	r NBC for (spec	cify in case of a	ny other):
			• Tota	al Parking	area provid	ded (m <sup>2</sup> ) &	No. of ECS: 13	3,221.64 m <sup>2</sup> , 44	5 nos.
				•	provided in	basement	(m <sup>2</sup> ) & No. of I	ECS: 7,382.14 ı	m2, 231
					provided in	hollow plir	nth (m²) & No. d	of ECS: 5,023.3	2 m2,
			<ul> <li>Parl nos</li> </ul>	•	provided as	s open surf	ace (m²) & No.	of ECS: 816.18	3 m2, 35
16.	Traffic				ent nublic	roads: 18 i	m & 15 m wide	roads	
10.	Manageme	ent		-	•			d/s: 2 nos. of ga	ites will
	_			provided.				a, e. 2 1166. er ge	
			• Wid	th of Entry	& Exit pro	vided on a	pproach road/s	: 7.5 m	
			• Min	imum widt	h of open p	ath all aro	und the buildin	gs for easy acc	ess of fire
				,	0		plantation): 3.0		
47							4.5 m & 3.0 m		
17.	Details of 0 Building	reen				•		D lighting fixtui	
	measures					•••	•	•	•
	proposed.		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		Power supply						
	Requireme Source and				nand: 1500	KW			
	Conservati			nected loa					
				Irce: D.G.		o. Movimu	um utilization o	f notural light	
				•••	-			of natural light, f solar energy i	
								cement + fly a	
			-				t stress inside l		
			• DG	Sets					
				-	city of the D				
10	Fine and I !	4		=	ntity: Diese				
19.	Fire and Li Safety Measures	ie		xtinguishe e safety	r, sprinkler	system ar	ia fire nydrant s	systems will be	proposed
20.	Details on	staircas	se						
	Name of	Туре		No. of	Floor	No. of	Width of the	Travel	
	Building	of buil		floors	area	staircas e	staircase(m)	distance (m)	
	A	Sin	gle	G + 5	319.76	01	1.22	<30	
	B & C	Jo	int	G + 5	638.03	02	1.22	<30	
	D & E	Jo	int	G + 5	638.03	02	1.22	<30	
	F	Sin	gle	G + 5	245.53	01	1.22	<30	
	IJ-KL- MN	Jo	int	G + 5	500.75	02	1.22	<30	

		GH-OP-	oint	G + 5	646.34	02	1.22	<30	
21	1	Rain Water	-		round wate				
- '		Harvesting (RWH)	• No.	& dimens	ions of RW	H tank(s) :			
			• Det	ails on Pre	e-treatment	facilities :	Gravity filter,	MOC: PE	
22	2.	Green area details	<ul> <li>Are</li> <li>Lav</li> <li>Tot</li> <li>Gre</li> <li>No.</li> </ul>	a covered vn coverec al Green A een Area % of trees a	l area (m²): rea (m²): 5 of plot are	and bushe: 738.24 1084.64 a: 8 % to be plant	ed: 115 nos.	ive in lawn cover of trees like Asc	
23	3.	Budgetary	Sr.		De	escription		Capital Cost	•
		allocation for Environmental	No.	Lond				Lacs) 6 Lacs	
		Management	2		scaping ndwater Re	charge Str	ucture	6 Lacs	
		Plan	3		Energy Uti	•	dotaro	3 lacs	
		(Rs. in lacs)	4		y Efficient			2 lacs	
			5		Waste Mar			1 lacs	
			6	Monit	oring of Air	, Water, No		0.75 lacs	
24		Proposed dust					Total	18.75 Lacs ding materials w	
25	5.	during the construction phase Eco friendly building material usage details.	Fly as	sh based b	ricks, Reac	ly Mix Con	crete, A.C.C	Blocks will be us	ed.
26	ò.	Amenities for the construction workers.						pit for domestic service, PPEs e	
27		Documents related to land possession.	the r	name of a		Copy of		that agricultural made for obta	
	-	he meeting, after d Environmental Clea			n it was deo	cided to re	commend the	e project to SEIA	A Gujarat fo
5.		Dandi – The Leisure Entertainment World		644, 649 664 To 6 691, 692	610, 612, 652, 655, 66, 668, 67, 696, 697, Dist: Navs	657, - A, 70, 672, 67 Village: [	657 - B, 74 to 687,	Screening & scop	bing.
	10 <sup>11</sup> -	of the proposed pro	ject as	presented	before the	committee	are tabulate	d below:	
De	alls o	<u> </u>							
De	Sr. No	Particulars				De	etails		
De	Sr.		Nev	v Project[S	IA/GJ/NCP				
De	Sr. No	Particulars			IA/GJ/NCP	/33007/20			

	No. [8(a) or8(b)]					
4.	Name of the project	Dandi – T	he Leisure &Entertai	nment World		
5.	Name of Developer	Mr. Ashok	Mr. Ashok Dalal			
6.	Estimated Project Cost (Rs. InCrores)	Rs. 485.9	3crores			
7.	Whether construction work has been initiated at site? If yes, detailsthereof	No				
		Sr.No.	Title	Details		
		1.	Plot / Land Area	1,24,487.00 m <sup>2</sup>		
		2.	Built-Up Area	27,238.88 m <sup>2</sup>		
		3.	FSI Area	21,017.20 m <sup>2</sup>		
8.	ProjectDetails	4.	Ground Coverage	20,633.81 m <sup>2</sup>		
		5.	Basement Area			
		6.	Hollow Plinth Area			
		7.	Parking Area	9,689.78 m²		
		8.	Greenbelt Area	64,250.55 m <sup>2</sup>		
9.	Building Details	Children Administra halls are apartmen	day care, Am ation, Club house wit of ground floor or	phitheater, Cafe th swimming pool Ily. Buildings acc	m, Indoor games-gym-spa eteria, Paddle boating for villas, 2 nos. of banque commodating villas, studio nd service staff will be o	
10.	No. of expected residents / users	4500 Nos	. including visitors, se	ervice staff & villa		
11.	Water & waste water details during construction phase	<ul><li>Water</li><li>Waste</li></ul>	e of water: Sweet Wa requirement(KL/day) water generation qu of disposal: Soak Pit	: 10.0 antity(KL/day): 3.6	60	
12.	Water & waste water details during operation phase	<ul> <li>Water Garde</li> <li>Sewag</li> <li>Mode</li> </ul>	ning: 300 KL/day) le generation quantity of disposal: Sewage and treated sewage	ay):1,200.0 (Do y(KL/day): 720.0 e shall be treated	mestic: 900 KL/day -	
13.	Status of water supply and drainageline		e of water: Sweet Wa ed sewage will be cor		ithin premises.	

14.	Solid waste Management	<ul> <li>Separate bir (MSW) at di Gram Panch</li> <li>The Constru- cement bag shall be reu scrap shall material, etc</li> <li>The Propose it will require raise plot an proposed bu cutting will b and green be</li> </ul>	ty. Generation: ( ns shall be provi fferent places ar ayat where Mun action waste sha s, steel scrap, p used for back fil be sold to aut ., shall be sold o ed Ground level e [1,24,487.00 m rea. The said ea ilding will be de e required. The elt development.	100 x 600 gm/Person/Day) = 60 kg/day ded for collection of Municipal Solid W nd the same shall be disposed off to D icipal Solid Waste is being collected Ill consist of construction debris along backing materials etc. Construction Do ling and internal road development. S horized recyclers. Cement bags, pace ff to authorized recyclers. is 0.15 m high than the existing level. T $n^2 X 0.15 m = 18,673.05 m^3$ ] extra ear arth will be arranged from other site. veloped on open plain land, thus no m excavated earth will be used for back f enbelt development.	Vaste Dandi with ebris Steel cking Thus, th to The najor
		During Operat	ion Phase		
		Organic		bles and food	
		waste Inorganic waste	Papers, Carto bags, Glass e	ons, Thermocol, Plastics, Polythene	
		<ul> <li>(A) For Reside staff and v</li> <li>Separate Solid was proposed p</li> <li>★ The abov Panchayat</li> </ul>	<b>Qty. Generatio</b> <b>lential:</b> 4,500 p illa x 600 g/perso bins shall be p te at ground to project. e MSW shall	<b>n:</b> opulation including visitors, service pn/d = 2,700.0  kg/d rovided for collection of Municipal floor at specific locations of the be disposed off to Dandi Gram al Solid Waste is being collected,	
			Parking area requirement	Parking area proposed to be provided	
15.	ParkingDetails	As per GDCR (m <sup>2</sup> )	6,939.00	9,689.78	
		As per NBC (Nos.)	CPS – 195	ECS – 421	
16.	Traffic Management				
17.	DetailsofGreen Building measures proposed.	low flush wate pipeline, rain w	er closets in toil	oke (Foam Type) in wash basins, kito et and pressure reducing valves in v & ground water recharge, provision of	vater
18.	Energy Requirement, Source and Conservation	Connected lo Source: Daks • DG Sets: No. and capa Fuel & its qua	mand: 4000 KVA ad: hin Gujarat Vij C	company Limited (DGVCL). ets: 1 x 1500 KVA & 1 x 2500 KVA litre/hr	

		<ul> <li>Maximum use of natural light is an integral part of the architectural design.</li> <li>Thermal insulation shall be provided on roof top to conserve energy.</li> <li>Proper orientation of buildings shall be done to get maximum advantage of natural ventilation, wind direction and light.</li> <li>White Tiles shall be used on terrace floor to reduce heat.</li> <li>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.</li> <li>Bollard LED light shall be used in walk way areas.</li> <li>LED/CFL lighting fixtures shall be used in the common areas for energy saving.</li> <li>Appropriate design to shut out excess heat and maintain indoor air quality.</li> </ul>
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 <sup>2</sup> area.
23.	Budgetary allocation for Environmental Management Plan (Rs. inlacs)	Rs. 2 – 3 Crores.
24.	Proposeddustcontr ol measures during the construction phase	<ul> <li>Sprinkling of water for dust suppression.</li> <li>To avoid dust emission, excavated soil &amp; construction debris shall be sprinkled with water and kept moist.</li> <li>Construction material storage area shall be covered with tarpaulin sheets.</li> <li>Trucks used for transportation of construction material shall be covered to avoid dust dispersion at site.</li> <li>Personal Protective Equipment shall be provided.</li> <li>Project site boundary shall be barricaded with sheet of 15 ft height.</li> </ul>
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.
- 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.
- 16. Detailed green belt development plan including area of tree plantation, its demarcation on the map,

## 279<sup>th</sup> meeting of SEAC-Gujarat, Dated 17.02.2016

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.	

			ommittee are tabulated	
Sr. No.	Particulars	Details		
1.	Proposal is for	New Project [SIA/GJ/NCP/335	54/2015]	
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> <li>Land / Plot Area (m<sup>2</sup>): 16,500</li> <li>FSI area (m<sup>2</sup>): 27,670.87</li> </ul>	)	
			Permissible	Proposed
		FSI Area (m <sup>2</sup> )	29,808	27,670.87
		Ground Coverage (m <sup>2</sup> )	7425	5727.14
		Common Plot Area (m <sup>2</sup> )	1650	1656
		Max. building height (m)	40	18
		• Total BUA (m <sup>2</sup> ):42,147.30	·	
9.	Building Details	No. of Buildings:8		
	Ū	No. of Blocks:8		
		Scope of buildings/blocks: Ba	sement + around floo	r ± 5 floors
		<ul> <li>No.&amp; size of Residential Unit</li> </ul>	0	1 + 0 110013.
				10 officer 700 sector
		<ul> <li>No. &amp; type of Commercial Ur</li> </ul>	ins. 294 shops and 14	is onices, 102 seats in
		Multiplex		
		<ul> <li>Details of amenities if any: N</li> </ul>		
10.	No. of expected	2,550 occupants and 300 visito	ore	

	residents / users									
11.	Water & waste	Water requirem	ent (KL/day): 1	9.75						
	water details	Source of water: Water tankers.								
	during									
	construction	<ul> <li>Waste water generation quantity (KL/day): 5.73</li> <li>Mode of disposal: septic tank &amp; soak pit.</li> </ul>								
	phase	•	-	-						
10		Details of reuse of water, if any: No								
12.	Water & waste	<ul> <li>Fresh water red</li> </ul>	•	• /						
	water details	Source of wate	r: Bharuch Nag	ar Palika						
	during operation phase	Waste water ge	eneration quant	ity (KL/day):104.5	4					
	phase	Mode of dispos	al: into sewer li	ne of Bharuch Na	garpalika.					
13.	Status of water supply and drainage line	Available at 400 m from the site								
14.	Solid waste	Construction Pha	se.							
	Management		Generation	Quantity to be	Mode of Dispo	osal /				
		Tan Oall	(m <sup>3</sup> )	reused (m <sup>3</sup> )	Reuse	- 6				
		Top Soil	1500	1,500	Development of landscape are					
		Other	28,500	13,500 m <sup>3</sup> will	Balance earth					
		excavated earth		be used for	used at other p					
				back filling and	as per requirer	-				
				raising plinth						
				level.						
		Construction	400	425 m <sup>3</sup> will be	Balance debris	s will be				
		debris		used for	handed over to					
				development of	authority or fill	in low				
			4.5	internal road.	laying area					
		Steel scrap	15	0	Sold to vendor					
		Discarded	10	0	Sold to vendor	S				
		packing materials								
		Operation Phase:								
			Generation	Mode of	Mode of	]				
			Quantity	waste	Disposal /					
			(Kg/day)	collection	Reuse					
		Dry waste	378.96	White bins	Sold to					
					vendors	]				
		Wet waste	568.44	Green Bins	Municipal bins	]				
		<ul> <li>Details of segre</li> </ul>	egation if to be	done: yes						
		Capacity and n	o. of communit	y bins to be placed	d within premises	s: 15 kg and				
		12 number of c	ommunity bins	to be placed in co	mmon area					
		Landfill site where	ere waste will b	e ultimately dispo	sed by local auth	ority: at the				
		nearest MSW c	ollection point	of Bharuch Nagar	Palika.	-				
15.	Parking Details		-	t for the project as		835.43 m <sup>2</sup>				
	Ŭ		-	Commercial units a	-	-				
		•	•	nent for the project	•					
			•	or commercial unit	•					
			•		•					
			•	s per NBC for Mu	•	500				
		-	• •	$n^2$ ) & No. of ECS:						
				ment (m²) & No. o						
		Parking area pr	ovided as oper	n surface (m²) & N	o. of ECS:2,300	& 100 ECS.				

10	<b>—</b> "				-					
16.	Traffic	<ul> <li>Width of adjace</li> </ul>	cent public roa	ds: 45 m and 1	l2 m					
	Management	<ul> <li>Number of Er</li> </ul>	ntry & Exit prov	vided on approa	ach road/s: Eig	ht gates includ	ling			
		one gate for b	asement entry	/.						
		Width of Entry	•		h road/s·6 m &	9 m				
		Minimum wid	•	• •			firo			
					-	asy access of	iiie			
		-	-	for the plantat	-					
			• Width of all internal roads: 6 m, 9 m & 10 m.							
17.										
	Building	motors & pump	s, water efficie	nt taps, maxim	um use of RM0	C & aerated blo	ocks,			
	measures	use of LED ligh	ting fixtures ar	nd low voltage l	ighting, solar lig	ghting in open a	and			
	proposed.	landscape area	s- 10 numbers	of solar lightin	g, roof-top ther	mal insulation,	rain			
		water harvestin	g & ground wa	ter recharge th	rough 5 nos. o	f percolating w	ells			
		etc.	0 0	Ū	0					
18.	Energy	Power supply								
10.	Requirement,		nand: 2000 K\	/^						
	Source and									
	Conservation		ad: 2100 KVA							
		Source: DGV	-							
		<ul> <li>% of saving w</li> </ul>		•		ar rated energ	у			
		efficient elect	ronic consume	r durables + so	olar lights.					
		Compliance of	of the ECBC gu	uidelines (Yes /	′ No),if yes, con	npliance in tab	ular			
		form: only roc	of area							
		DG Sets:								
		No. and capa	city of the DG	sets: 2 X 125 k	<b>KVA</b>					
			intity: HSD, 50							
19.	Fire and Life	During Const	ruction Phase	: Provision of	Personal Pro	tective Equipn	nent's			
	Safety Measures	(PPEs) to th	e construction	workers and	its usage sha	all be ensured	d and			
		supervised, ti	aining to all v	workers on co	nstruction safe	ty aspects, fir	st aid			
		room with firs	t aid kit, doctor	& ambulance	service.					
		During operat	ion phase (Co	mmercial): Fire	extinguishers.	hose reel, mai	nually			
			-	-	et riser, yard		-			
					, underground	<b>,</b>				
				-	KL capacity (to		-			
			• •		tank (fire pu	• • •				
		•		errace level etc	· ·	inp) with him	innunn			
20.	Details on staircas		S Ky/CITZ at le		•					
20.					Width of the	Travel				
	Type & n		Floor area	No. of	staircase	distance				
	of building	gs floors	m <sup>2</sup>	staircase	(m)	(m)				
	A	(G + 4)	677.28	1	1.66	<30				
	В	(G + 4)	865.14	1	1.66	<30				
	С	(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				
	Н	(G + 5)	655.14	2	1.66	<30				
21.	Rain Water	Level of the G	Ground water ta	able: 15 m						
	Harvesting	No. & dimens	ions of RWH t	ank(s) : 5 Nos	and 2.5m X 2.0	) m X 3.0 m				
				· ·						

	(RWH)	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	• Tree covered area (m <sup>2</sup> ) : 600
	details	• Area covered by shrubs and bushes (m <sup>2</sup> ):556
		• Lawn covered area (m <sup>2</sup> ):500
		• Total Green Area (m <sup>2</sup> ):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	Spraying of water, Peripheral barricading, covered shed for cement
20.	measures	loading area, covering the excavated earth with tarpaulin sheet etc.
24.	Budgetary	Allocation of Rs.20.0 lacs & Rs.9 lacsas capital cost & recurring cost
	allocation for	respectively has been made for EMP & EMS.
	Environmental	
	Management	
	Plan (Re in lace)	
25.	(Rs. in lacs) Details of	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of
20.	ecofriendly	
	building	RMC, lead free paints etc.
	materials	
26.	Details of	Sanitation facilities, maintaining hygienic condition at the project site to avoid
	amenities to be	health problems, safe drinking water, PPEs, first aid room with first aid kit &
	provided to construction	welfare facilities as per the Gujarat Building & Other Construction Workers
	workers.	Rules.
27.	Documents	Village form no. 7 as on 19/02/2012 for amalgamated survey numbers shows
	related to land	that the N.A land for residential & commercial use is in the name of M/s Anand
	possession.	Enterprise through its partners.
During	g the meeting, whe	n suggested by the committee, the project proponent was agreed to increase the
barkir	ng area provision by	/ adding one level basement to the existing basement. After detailed discussion, i
was d	lecided to further ap	praise the project only after submission of the following:
	ony of project plane	showing buildings & floor wise built up area, FSI area, Floor area details, plot area
	atement etc.	showing buildings & noor wise built up area, i Si area, i loor area details, plot area
		of water supply, drainage connection and municipal solid waste collection facility to
	•	of permission obtained from concerned competent authority for providing thes
	cilities.	of permission obtained from concerned competent autionty for providing thes
		of staircases in the proposed commercial buildings as per the requirement of NB
	erans on provision o erms.	
		arking area provision for the project considering the proposed additional level o
	sement.	aning area provision for the project considering the proposed additional level c
		ments showing ownership of land by the applicant, list of partners & directors of th
	•	mission obtained for non agricultural use of the project site for commercial use or
		howing the correspondences made in this regard and copy of agreement mad
		ers & developers (if any).
7.		
•	East Ebony	Survey No: 208, 209, 210/2 F.P. No: Screening & scoping

7.	East Ebony	Survey No: 208, 209, 210/2 F.P. No:	0	&	scoping	/
		96+278, T.P.S No: 50 (Bodakdev), Daskroi, Ahmedabad	appraisal.			

		roject as presented before the c	ommittee are tabula	ted 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)	8 (a)					
4.	Name of the project	East Ebony						
5.	Name of Developer	Amardeep Co. Op. Housing So	ciety 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	•Land / Plot Area (m <sup>2</sup> ): 7,362.0 •FSI area (m <sup>2</sup> ):17,665.34 •Total BUA (m <sup>2</sup> ):40,779.58						
			Permissible	Proposed				
		FSI Area (m <sup>2</sup> )	19,877.4	17,665.34				
		Ground Coverage (m <sup>2</sup> )	NA	3,473.97				
		Common Plot Area (m <sup>2</sup> ) 736.2 736.24						
		Max. building height (m)	70	45				
9.	Building Details	<ul> <li>No. of Buildings: Five</li> <li>No. of Blocks: Five</li> <li>Scope of buildings/blocks: 2 I</li> <li>No.&amp; size of Residential Units m2 and 33 Flat 4 BHK, Size 2</li> <li>No. &amp; type of Commercial Un</li> <li>Details of amenities if any: O</li> </ul>	: Total 55 flats, 22 272.52 m2 its: No	-				
10.	No. of expected residents / users	248 occupants and 50 visitors						
11.	Water & waste water details during construction phase	<ul> <li>Water requirement (KL/day): 21.75</li> <li>Source of water: Water tankers</li> <li>Waste water generation quantity (KL/day): 5.73</li> <li>Mode of disposal: septic tank</li> <li>Details of reuse of water, if any: No</li> </ul>						
12.	Water & waste water details during operation phase	<ul><li>Source of water: water supply</li><li>Waste water generation quantities</li></ul>	<ul> <li>Details of reuse of water, if any: No</li> <li>Fresh water requirement (KL/day): 37.17</li> <li>Source of water: water supply from AMC</li> <li>Waste water generation quantity (KL/day):27.38</li> <li>Mode of disposal: Into drainage line of AMC.</li> </ul>					
13.	Status of water supply and drainage line	Available at site						

14.	Solid waste	Construction Pha	ase:				
	Management		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Dispos Reuse	sal /	
		Top Soil	2400	2400	Development landscape are		
		Other excavated earth	27600	13500 m <sup>3</sup> will be used for back filling and raising plinth level.	Balance earth used at other projects as pe requirement.		
		Construction debris	380	200 m <sup>3</sup> will be used for development of internal road.	Balance debri be handed ov local authority in low laying a	er to or fill	
		Steel scrap	12	0	Sold to vendo	rs	
		Discarded packing materials	8	0	Sold to vendo	rs	
		Operation Phase	):				
		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		
15.	Parking Datails	10 number of co •Landfill site whe	o. of community community bins t ere waste will be	bins to be placed to be placed in con e ultimately dispos	nmon area ed by local autho	ority: AMC	
15.	Parking Details	<ul> <li>Total parking area requirement for the project as per GDCR:3,533.06 m<sup>2</sup></li> <li>Parking area requirement for residential units as per GDCR:3,533.06 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC :55</li> <li>Number of CPS requirement for residential units as per NBC: 55</li> </ul>					
		<ul> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 14,499.97 &amp; 471 ECS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 10,947.52 &amp; 342 ECS</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS:3,152.45 &amp; 112</li> </ul>					
		ECS •Parking area pr	ovided as open	surface (m <sup>2</sup> ) & No	o. of ECS: 400 &	17 ECS	
16.	Traffic Management	•Width of adjace	nt public roads:	two 18 m wide road d on approach road	bads		
			& Exit provided	on approach road/	/s: 6 m Entry/Exis	st	

					مائلم مريمة ما	e buildings for e	agen access	of fire
			<ul> <li>Minimum wid</li> </ul>	th of open pat	n all around th	e bananige iei i	easy access	
			tender (exclue	ding the width	for the planta	tion): 5.0 m		
			<ul> <li>Width of all in</li> </ul>	iternal roads:	6.0 m			
17.	Build meas	-	Maximum use of natural lighting through architectural design, energy motors & pumps, water efficient taps, maximum use of RMC & blocks, use of LED lighting fixtures and low voltage lighting, solar lighting, solar lighting, roof-top insulation, water meters, rain water harvesting & ground water					
			through 5 nos.	of percolating	g wells etc.			
18.	Sour	gy uirement, ce and servation	<ul> <li>Power supply: Maximum demand: 500 KVA Connected load: 600 KVA Source: Torrent Power Limited.</li> <li>% of saving with calculations: ~30% by use of LED and star rated energy efficient electronic consumer durables</li> <li>Compliance of the ECBC guidelines (Yes / No), if yes, compliance in tab form: only roof area</li> <li>DG Sets: No. and capacity of the DG sets:40 KVA Fuel &amp; its quantity: HSD, 9 litre/hr</li> </ul>					
19.		and Life ty Measures	•			f Personal Pro I its usage sh		
			supervised, the room with firs •During operation manually operations system in the capacity, ter underground	raining to all at aid kit, docto ation phase erated electric basement, un race tank - static water s	workers on co or & ambulance (Commercial) fire alarm sys nderground sta 50 KL capac torage tank (fir	onstruction safe	uishers, hos automatic s prage tank-1 pacity), pump	e reel, prinkler 50 KL p near
20	Detai	ils on staircas	supervised, the room with firs •During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at	raining to all at aid kit, docto ation phase arated electric basement, ur race tank -	workers on co or & ambulance (Commercial) fire alarm sys nderground sta 50 KL capac torage tank (fir	enstruction safe service. Fire extingute tem, wet riser, atic water stor sity (total cap	uishers, hos automatic s prage tank-1 pacity), pump	e reel, prinkler 50 KL p near
20.	Detai	ils on staircas Type & no. of buildings	supervised, to room with firs •During opera manually ope system in b capacity, ter underground 3.5 kg/cm2 at se No. of	raining to all at aid kit, docto ation phase erated electric basement, un race tank - static water s	workers on co or & ambulance (Commercial) fire alarm sys nderground sta 50 KL capac torage tank (fir	e service. Fire extingu- tem, wet riser, atic water sto ity (total cap e pump) with m Width of the staircase	uishers, hos , automatic s prage tank-1 pacity), pump ninimum Pres Travel distance	e reel, prinkler 50 KL p near
20.	Detai	Type & no. of buildings	supervised, to room with firs •During opera manually operative system in b capacity, ter underground 3.5 kg/cm2 at se No. of floors	raining to all at aid kit, doctor ation phase erated electric basement, ur rrace tank - static water s t terrace level Floor area m <sup>2</sup>	workers on co or & ambulance (Commercial) fire alarm sys oderground sta 50 KL capac torage tank (fir etc. No. of staircase	whether water struction safe e service. The extingu- stem, wet riser, atic water stor staic water stor width of the staircase (m)	uishers, hoso automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m)	e reel, prinkler 50 KL p near
20.	Detai	Type & no. of buildings A	supervised, the room with firs •During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at se No. of floors B+HP+12	raining to all at aid kit, docto ation phase erated electric basement, ur rrace tank - static water s t terrace level Floor area m <sup>2</sup> 498	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase	<ul> <li>with the staircase</li> <li>Width of the staircase</li> <li>Width of the staircase</li> <li>(m)</li> </ul>	uishers, hoso automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26	e reel, prinkler 50 KL p near
20.	Detai	Type & no. of buildings A B	supervised, the room with firs •During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at se No. of floors B+HP+12 B+HP+12	raining to all at aid kit, doctor ation phase erated electric basement, un race tank - static water si t terrace level Floor area m <sup>2</sup> 498 498	workers on co or & ambulance (Commercial) fire alarm sys oderground sta 50 KL capac torage tank (fir etc. No. of staircase	e service. Fire extingu- tem, wet riser, atic water stor ity (total cap e pump) with m Width of the staircase (m) 2.05 2.05	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26	e reel, prinkler 50 KL p near
		Type & no. of buildings A B C, D, E	supervised, the room with firs • During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at 32 No. of floors B+HP+12 B+HP+12 B+HP+12	raining to all t aid kit, docto ation phase erated electric basement, ur trace tank	workers on co or & ambulance (Commercial) fire alarm sys oderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1	<ul> <li>with the staircase</li> <li>Width of the staircase</li> <li>Width of the staircase</li> <li>(m)</li> </ul>	uishers, hoso automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26	e reel, prinkler 50 KL p near
20.	Rain	Type & no. of buildings A B C, D, E Water	supervised, the room with firs • During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at 3.5 kg/cm2	raining to all at aid kit, docto ation phase erated electric basement, un rrace tank -4 static water si t terrace level Floor area m <sup>2</sup> 498 498 414.59 Ground water to	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m	width of the staircase (m) 2.05 2.05 2.1	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24	e reel, prinkler 50 KL p near
	Rain Harve	Type & no. of buildings A B C, D, E Water esting	supervised, the room with firs • During operation manually operation system in the capacity, ter- underground 3.5 kg/cm2 at 32 No. of floors B+HP+12 B+HP+12 B+HP+12 • Level of the G • No. & dimension • No. & dimension • No. & dimension • Output the first statement of the G • No. & dimension • No. & dimension • Output the first statement of the G • No. & dimension • Output the first statement of the G	raining to all t aid kit, docto ation phase erated electric basement, un trace tank - static water si t terrace level Floor area m <sup>2</sup> 498 498 414.59 Fround water to bions of RWH	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a	width of the staircase (m) 2.05 2.05 2.05 2.07 2.07 2.05 2.1 2.07 2.07 2.05 2.1	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24	e reel, prinkler 50 KL p near
	Rain	Type & no. of buildings A B C, D, E Water esting	supervised, the room with firs • During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at 3.5 kg/cm2	raining to all t aid kit, docto ation phase erated electric basement, ur rrace tank -4 static water si t terrace level Floor area m <sup>2</sup> 498 498 414.59 Ground water to sions of RWH h of percolatio	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no	width of the staircase (m) 2.05 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
21.	Rain Harve (RWF	Type & no. of buildings A B C, D, E Water esting H)	supervised, to room with firs •During opera manually operations system in b capacity, ter underground 3.5 kg/cm2 at 30 8 No. of floors B+HP+12 B+HP+12 B+HP+12 •Level of the C •No. & dimens •No. and depth •Details on Press	raining to all t aid kit, docto ation phase erated electric basement, un trace tank - static water sist t terrace level Floor area m <sup>2</sup> 498 498 414.59 Fround water to bions of RWH h of percolation e-treatment fa	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and	width of the staircase (m) 2.05 2.05 2.05 2.07 2.07 2.05 2.1 2.07 2.07 2.05 2.1	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
	Rain Harve (RWI	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operation system in the capacity, ter underground 3.5 kg/cm2 at 3.5 kg/cm2	raining to all t aid kit, docto ation phase erated electric basement, un trace tank - static water sist t terrace level Floor area m <sup>2</sup> 498 498 414.59 Fround water to bions of RWH h of percolation e-treatment fa	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and	width of the staircase (m) 2.05 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
21.	Rain Harve (RWF	Type & no. of buildings A B C, D, E Water esting H)	supervised, to room with firs •During opera manually operations system in b capacity, ter underground 3.5 kg/cm2 at 30 8 No. of floors B+HP+12 B+HP+12 B+HP+12 •Level of the C •No. & dimens •No. and depth •Details on Press	raining to all t aid kit, docto ation phase erated electric basement, ur rrace tank -4 static water si t terrace level Floor area m <sup>2</sup> 498 498 498 498 414.59 Ground water to sions of RWH h of percolatio e-treatment fa area (m <sup>2</sup> ) :25	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and 0	width of the staircase (m) 2.05 2.1 2.1 2.05 2.1 2.05 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
21.	Rain Harve (RWI	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operation system in the capacity, ter- underground 3.5 kg/cm2 at 3.5 kg/cm2	raining to all t aid kit, docto ation phase erated electric basement, un trace tank -4 static water sist t terrace level Floor area m <sup>2</sup> 498 498 414.59 Fround water to sions of RWH h of percolation e-treatment fa area (m <sup>2</sup> ) :25	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and 0 d bushes (m <sup>2</sup> ):	width of the staircase (m) 2.05 2.1 2.1 2.05 2.1 2.05 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
21.	Rain Harve (RWI	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operation system in the capacity, ter- underground 3.5 kg/cm2 at 3.5 kg/cm2	raining to all t aid kit, docto ation phase erated electric basement, ur rrace tank - static water si t terrace level Floor area m <sup>2</sup> 498 498 498 498 498 498 414.59 Ground water fa sions of RWH h of percolatio e-treatment fa area (m <sup>2</sup> ) :25	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and 0 d bushes (m <sup>2</sup> ):	width of the staircase (m) 2.05 2.1 2.1 2.05 2.1 2.05 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
21.	Rain Harve (RWI	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operation system in the capacity, ter- underground 3.5 kg/cm2 at 32 No. of floors B+HP+12 B+HP+12 B+HP+12 • Level of the C • No. & dimens • No. and depth • Details on Pre- • Tree covered • Area covered • Lawn covered • Total Green A	raining to all t aid kit, docto ation phase erated electric basement, un trace tank - static water sist t terrace level Floor area m <sup>2</sup> 498 498 498 498 414.59 Fround water to sions of RWH h of percolation e-treatment fa area (m <sup>2</sup> ) :25 by shrubs an d area (m <sup>2</sup> ):25 Area (m <sup>2</sup> ):736.	workers on co or & ambulance (Commercial) fire alarm sys aderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and 0 d bushes (m <sup>2</sup> ): 0 2	width of the staircase (m) 2.05 2.1 2.1 2.05 2.1 2.05 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 26 24 m X 3.0 m	e reel, prinkler 50 KL p near
21.	Rain Harve (RWI	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operation system in the capacity, ter- underground 3.5 kg/cm2 at 32 No. of floors B+HP+12 B+HP+12 • Level of the G • No. & dimens • No. and depth • Details on Pre- • Tree covered • Area covered • Lawn covered • Green Area 9	raining to all t aid kit, docto ation phase erated electric basement, ur rrace tank - static water si t terrace level Floor area m <sup>2</sup> 498 498 498 414.59 Ground water to sions of RWH h of percolatio e-treatment fa area (m <sup>2</sup> ) :25 by shrubs an d area (m <sup>2</sup> ):736. 6 of plot area:	workers on co or & ambulance (Commercial) fire alarm sys oderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and 0 d bushes (m <sup>2</sup> ): 0 2 10 %	Image: service.         Fire       extinguitation safe         Image: service.         Image: Fire       extinguitation safe         Image: service.         Image: ser	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 24 0 m X 3.0 m al and filter	e reel, prinkler 50 KL p near ssure of
21.	Rain Harve (RWI	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operations system in the capacity, ter- underground 3.5 kg/cm2 at se No. of floors B+HP+12 B+HP+12 • Level of the G • No. and depth • Details on Pre- • Tree covered • Area covered • Lawn covered • Total Green Area % • No. of trees a	raining to all t aid kit, docto ation phase erated electric basement, un rrace tank -4 static water si t terrace level Floor area m <sup>2</sup> 498 498 498 498 498 414.59 Fround water to sions of RWH h of percolatio e-treatment fa area (m <sup>2</sup> ) :25 by shrubs an d area (m <sup>2</sup> ) :25 Area (m <sup>2</sup> ):736. % of plot area: and species to	workers on co or & ambulance (Commercial) fire alarm sys inderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 1 1 1 1 table: 25m tank(s) : 2 No a ins wells :2 no cilities : oil and 0 d bushes (m <sup>2</sup> ): 0 2 10 % be planted: 11	Image: service.         Fire       extinguitation safe         Image: service.         Image: Fire       extinguitation         Image: service.         Image: service.	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 24 0 m X 3.0 m al and filter	e reel, prinkler 50 KL p near ssure of
21.	Rain Harve (RWF	Type & no. of buildings A B C, D, E Water esting H)	supervised, the room with firs • During operation manually operations system in the capacity, ter- underground 3.5 kg/cm2 at 32 No. of floors B+HP+12 B+HP+12 • Level of the G • No. and depth • Details on Pre- • Tree covered • Area covered • Area covered • Lawn covered • Green Area 9 • No. of trees a KaadoSiris, J	raining to all t aid kit, docto ation phase erated electric basement, ur rrace tank - static water si t terrace level Floor area m <sup>2</sup> 498 498 498 498 414.59 Ground water to sions of RWH h of percolatio e-treatment fa area (m <sup>2</sup> ) :25 h by shrubs an d area (m <sup>2</sup> ) :25 Area (m <sup>2</sup> ):736. 6 of plot area: ambu, Asopal	workers on co or & ambulance (Commercial) fire alarm sys oderground sta 50 KL capac torage tank (fir etc. No. of staircase 1 1 1 1 table: 25m tank(s) : 2 No a ons wells :2 no cilities : oil and 0 d bushes (m <sup>2</sup> ): 0 2 10 % be planted: 11 av, DesiBadan	Image: service.         Fire       extinguitation safe         Image: service.         Image: Fire       extinguitation safe         Image: service.         Image: ser	uishers, hose automatic s prage tank-1 pacity), pump ninimum Pres Travel distance (m) 26 26 24 0 m X 3.0 m al and filter	e reel, prinkler 50 KL p near ssure of

	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,Screening& scopingTPS No: 21, Ambawadi, Ahmedabadappraisal.
Detai	ils of the proposed pr	oject 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.	Broject Deteile	- Lond / Diot A	$(m^2)$ , 10.200	<b>N</b>			
о.	Project Details	• Land / Plot Area (m <sup>2</sup> ): 16,390					
		<ul> <li>FSI area (m<sup>2</sup>):65,517.98</li> <li>Total BUA (m<sup>2</sup>):1,28,227.10</li> </ul>					
		Iotal BUA (n	n <sup>2</sup> ):1,28,227.10				
				Dermissible	Dranaad		
		$\Gamma C I \Lambda reg (m^2)$		Permissible	Proposed		
		FSI Area (m <sup>2</sup> )	(m <sup>2</sup> )	65,560	65,517.98		
		Ground Cover		NA	5974.94		
		Common Plot	· /	1639	1643.81		
		Max. building		70	45		
9.	Building Details	No. of Buildings: 8					
		No. of Blocks					
		-	-		ollow plinth + 14 floors.		
				s: 430 flats of 3 & 4	BHK.		
		<ul> <li>No. &amp; type of</li> </ul>	f Commercial Ur	nits: No			
		<ul> <li>Details of an</li> </ul>	nenities if any: C	One Society Offices	6		
10.	No. of expected	1935 occupants	s and 200 visitor	S			
	residents / users						
11.	Water & waste	Water require	ement (KL/day):	21.75			
	water details	Source of wa	ater: Water tanke	ers			
	during	<ul> <li>Waste water</li> </ul>	generation quar	ntity (KL/day): 5.73			
	construction	<ul> <li>Mode of disp</li> </ul>	osal: septic tank	ζ.			
	phase	•	use of water, if a				
12.	Water & waste		uirement (KL/da	•			
	water details		•				
	during operation phase	<ul> <li>Fresh water requirement (KL/day): 175.15</li> <li>Source of water: Water supply from AMC</li> </ul>					
		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					
		<ul> <li>Purposes for treated water utilization: Gardening, Flushing</li> </ul>					
		Quantity of tr	eated water to b	e reused.			
					a (KI /day):7.4		
		1.Gardening (KL/day):7.4					
		<ul> <li>2. Flushing (KL/day):89.07</li> <li>Provision of dual plumbing system (Yes/No): Yes</li> </ul>					
		• 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.	-	-		
		•	osal: As above				
13.	Status of water	Available at site					
13.	supply and	Available at Site	5				
	drainage line						
14.	Solid waste	Construction P	hase.				
17.	Management		Generation	Quantity to be	Mode of Disposal /		
	management		(m <sup>3</sup> )	reused (m <sup>3</sup> )	Reuse		
			()				
			0.400	0.400			
		Top Soil	8,400	8,400	Development of		
				70 000 3	landscape area		
		Other	1,31,600	72,800 m <sup>3</sup> will	Balance earth will be		
		excavated		be used for	used at other		
		earth		back filling	projects as per		
1		11		and raising	requirement.		

				plinth lovel		
		Construction debris	900	plinth level. 450 m <sup>3</sup> will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying area	
		Steel scrap Discarded	20 12	0 0	Sold to vendors Sold to vendors	
		packing materials				
		Operation Phase	<b>.</b> .			
		Type of waste	Generation Quantity	Mode of waste	Mode of Disposal / Reuse	
		Dreuwooto	(Kg/day)	collection		
		Dry waste	480.4	White bins	Sold to vendors	
		Wet waste STP Sludge	720.6	Green Bins Green Bins	Municipal bins Municipal bins	
		<ul> <li>Details of seg</li> </ul>				
					ed within premises: 15 kg	
					in common areas.	
			•	•	osed by local authority: at	
			SW dumping si			
15.	Parking Details				s per GDCR: 13,103.59 m <sup>2</sup>	
					s per GDCR:13,103.59 m <sup>2</sup>	
		<ul> <li>Total number of CPS requirement for the project as per NBC :430</li> </ul>				
		Number of CF	S requirement	for residential unit	s as per NBC: 430	
		Total Parking	area provided (	m <sup>2</sup> ) & No. of ECS:	45,700.28 & 1452 ECS	
		Parking area	provided in base	ement (m <sup>2</sup> ) & No. o	of ECS: 40,201.29 & 1256	
		ECS		_		
		ECS		· · · ·	o. of ECS:5,498.99 & 196	
16.	Traffic Management	<ul> <li>Number of En provided.</li> </ul>	try & Exit provid	led on approach r	osed 12 m wide roads oad/s: Four gates will be	
		-		d on approach roa		
					dings for easy access of fire	
		•	•	r the plantation):	5.0 m	
47	Detaile of Ore	Width of all in			und design as such tt	
17.	Details of Green		0 0		ural design, energy efficient	
	Building measures			•	m use of RMC & aerated	
	proposed.		• •		age lighting, solar lighting in	
		-	-		ar lighting, roof-top thermal	
				•	& ground water recharge	
		through 5 nos. of percolating wells, provision of STP & reuse of treated				
		sewage etc.				
18.	Energy	Power supply	:			
	Requirement,	Maximum der	nand: 2,250 KV	A		
	Source and	Connected loa	ad: 2,500 KVA			
	Conservation	Source: Torre	nt Power Ltd.			
				~30% by use of L durables and sola	ED lights, star rated energy r lights.	
					5	

19.	Fire and Life Safety	<ul> <li>tabular form: only roof area</li> <li>DG Sets: No. and capacity of the DG sets:1 x 62.5 KVA Fuel &amp; its quantity: HSD, 9 litre/hr</li> <li>During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and</li> </ul>					
	Measures	<ul> <li>(PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor &amp; ambulance service.</li> <li>During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, 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.</li> </ul>					
20.	Details on staircas	е					
	Type & no. of buildings		Floor area m <sup>2</sup>	No. of staircase	Width of the staircase (m)	Travel distance (m)	
	A,D,H,I,J	HP + 14	628.47	2	2.1	24	
	<u>B + C, F+G</u> E	HP + 14 HP + 14	927.74 762.66	2	2.1 2.1	27 25	
21.	Rain Water Harvesting (RWH)	No. and dep	nsions of RWI oth of percola	H tank(s) : 5 N tions wells :5 n	o and 2.0m X 2 o and 19 m nd grease remo		
22.	Green area details	<ul> <li>Lawn cover</li> <li>Total Green</li> <li>Green Area</li> <li>No. of trees</li> </ul>	ed by shrubs a ed area (m <sup>2</sup> ):1 Area (m <sup>2</sup> ):1,0 % of plot are and species	and bushes (m 850 643.81 a: 10 % to be planted:		trees and Limb har	odo,
23.	Dust control measures	Spraying of wa	ater, Peripher	al barricading,	covered shed	for cement load	ling
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.					
25.	Details of eco friendly building materials						
26.	Details of amenities to be provided to construction workers.	avoid health p	roblems, safe acilities as per	drinking wate	condition at the r, PPEs, first ai uilding & Other	d room with firs	t aid
27.	Documents related to land possession	commercial us	se is in the na	me of Chhatra	Chhaya Co.O	I for residentian p. Housing Soc their secreta	. Ltd

chairman. 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, Screening & scoping T.P.S.No.58 (Bamroli), Choryasi, Surat. appraisal. Details of the proposed project as presented before the committee are tabulated below: Sr. Particulars Details No. 1. Proposal is for New Project [SIA/GJ/NCP/33929/2015] 2. Type of Project Residential 3. Project / Activity 8(a) No. [8(a) or 8(b)] 4. Name of the Shrungal Homes project 5. Name of Mr.Miral Vallabhbhai Surani Developer 6. **Estimated Project** Rs. 40 crores Cost (Rs. In Crores) 7. Whether No construction work has been initiated at site? If yes, details thereof 8. **Project Details** • Land / Plot Area (m<sup>2</sup>): 14,204.0 • FSI area (m<sup>2</sup>): 28,856.45 • Total BUA (m<sup>2</sup>):43,217.44 Permissible. Proposed FSI Area (m<sup>2</sup>) 28,856.45 31,745.94 Ground Coverage (m<sup>2</sup>) 10,369.80 6,178.74 1,420.40 Common Plot Area (m<sup>2</sup>) 1,420.40 Max. building height (m) 18.75 65 9. **Building Details** • 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 1620 10. No. of expected residents / users 11. Water & waste Water requirement (KL/day): 15.0 water details • Source of water: Water supply from SMC. during construction Waste water generation quantity (KL/day): 2.1 phase Mode of disposal: Into drainage line of SMC. 12. Water & waste Fresh water requirement (KL/day): 230.0

	water details	Source of wat	•••	•					
	during operation phase	<ul> <li>Waste water generation quantity (KL/day): 181 KLD</li> </ul>							
	•	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	Construction Phase:							
			Generatio	Generation (m <sup>3</sup> )		be	Mode of		
						3)	Disposal / Reus	е	
		Top Soil 2678.5		640		640 m <sup>3</sup> of excavated Top soil will be utilized for greenbelt development & remaining quantity of top soil will be utilized for back filling.			
		Other excavate earth	ed 8,303.33	8,303.33 8,3		8,303.33 Entire quanti excavated so will be utilize for back fillin within site.		of	
		Construction debris	15kg/day	15kg/day			Sold off to recyclers		
		Steel scrap	15kg/day	15kg/day					
		Discarded 6kg/day packing materials							
		Operation Phase:							
		Type of waste	Generation	Quantity was			de of Disposal euse		
			(Kg/day)			/ Ке			
		Dry waste	472 kg/day		Into separate		Will be collected		
		Wet waste	500 kg/day		bins to be provided		through door to door waste		
			l vii				lection system		
					emises. of dis		SMC for final sposal at		
						Site	ijod Disposal		
		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 noss 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							
15.	Parking Details	<ul> <li>Total parking area requirement for the project as per GDCR: 4,328.46 m<sup>2</sup></li> <li>Parking area requirement for residential units as per GDCR:4,328.46 m<sup>2</sup></li> </ul>							
		Parking area	requirement for	resider	ntial units as	s per (	GDCR:4,328.46 r	n-	

		<ul> <li>Total number of CPS requirement for the project as per NBC :260</li> <li>Number of CPS requirement for residential units as per NBC: 260</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 9,211.68 m<sup>2</sup> and 325 ECS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 3,721.98 m<sup>2</sup> and 117 ECS</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS:4,069.09 m<sup>2</sup> and 146 ECS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 1,420.61 m<sup>2</sup> and 62 ECS</li> </ul>
16.	Traffic Management	<ul> <li>Width of adjacent public roads:18 m wide T.P. road</li> <li>Number of Entry &amp; Exit provided on approach road/s: One gate will be provided</li> <li>Width of Entry &amp; Exit provided on approach road/s: 9 m</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):3 m</li> <li>Width of all internal roads: 9 m &amp; 7.5 m</li> </ul>
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> <li>Power supply:</li> <li>Maximum demand:1800 KW</li> <li>Connected load:1900 KW</li> <li>Source:DGVCL</li> <li>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.</li> <li>DG Sets:</li> <li>No. and capacity of the DG sets:6 × 60 KVA</li> <li>Fuel &amp; its quantity:diesel (10 Liter/h)</li> <li>Note : - D.G. Sets will be used incase of power failure or fire emergency</li> </ul>
19.	Fire and Life Safety Measures	<ul> <li>During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor &amp; ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc.</li> <li>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.</li> <li>Nearest fire station: Bhatar fire station. Distance from project site: 4 km.</li> </ul>

20.	Details on staircase							
	Type & no. of buildings		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> <li>Level of the Ground water table: 17m</li> <li>No. &amp; dimensions of RWH tank(s) :-</li> <li>No. and depth of percolations wells :4</li> <li>Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed</li> </ul>						
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>) :500.0</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>): included in lawn covered area.</li> <li>Lawn covered area (m<sup>2</sup>): 300.0</li> <li>Total Green Area (m<sup>2</sup>): 800.0</li> <li>Green Area % of plot area: 6 %</li> <li>No. of trees and species to be planted: 250</li> </ul>						
23.	Budgetary allocation for Environment al 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		224,225/182,227/182, .53, Tandalaja, Dist:	Screening & scoping / appraisal.			
Detail	s of the proposed p	project as presented before th	e committee are tabula	ted below:			
Sr. No.	Particulars	Details					
1.	Proposal is for	New project [SIA/GJ/NCP/3	3992/2015]				
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> <li>Land / Plot Area (m<sup>2</sup>): 47,013.0</li> <li>FSI area (m<sup>2</sup>):44,575.79</li> <li>Total BUA (m<sup>2</sup>):48,845.15</li> </ul>					
			Permissible	Proposed			
		FSI Area (m <sup>2</sup> )	75,220.80	44,575.79			
		Ground Coverage (m <sup>2</sup> )	16,924.40	15,602.67			
		Common Plot Area (m <sup>2</sup> )	4,701.3	4,702.00			
		Max. building height (m)		Resi. =10.6 m Comm= 17 m			
9.	Building Details	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	Resi1300 users including floating population Comm: 3000 users including floating population					
11.	Water & waste	Water requirement (KL/day):30.0					
	water details	Source of water: Water supply from VMC.					
	during construction	Waste water generation quantity (KL/day):4.5					
	phase	Mode of disposal: septic tag	•				
		Details of reuse of water, if any:N.A.					

12.	Water & waste	Fresh water re	auirement (KL /d	av):300.0			
	water details	<ul> <li>Source of water</li> </ul>	• •	• 1			
	during operation						
	phase	<ul> <li>Waste water generation quantity (KL/day): 250.0</li> <li>Mode of disposal: Into drainage line of VMC.</li> </ul>					
13.	Status of water		•		MC		
13.	supply and	vvater supply& c	Irainage line will	be provided by V	MC.		
	drainage line						
14.	Solid waste	Construction Ph	ase:				
	Management		Generation	Quantity to be	Mode of Disposal / Reuse		
	-		(m <sup>3</sup> )	reused (m <sup>3</sup> )			
		Top Soil	20,000	20,000	Top soil will be used in		
		Other			developing garden area		
		excavated earth			and excavated earth will		
					be used for land levelling within premises.		
		Construction debris	Whatsoever	Whatsoever	Will be used as road sub		
		Steel scrap	Whatsoever	Whatsoever	base within premises. Will be sold to vendors.		
		Discarded	Whatsoever	Whatsoever	Top soil will be used in		
		packing		That be be to i	developing garden area		
		materials			and excavated earth will		
					be used for land levelling		
		within premises.					
		Operation Phase:					
		Type of waste	Generation	Mode of waste	Mode of Disposal / Reuse		
			Quantity (Kg/day)	collection			
		Dry waste	555	Into bins to be	Door to door waste		
		,		provided	collection system of SMC.		
				within			
			070	premises.			
		Wet waste	370	Into bins to be	Door to door waste		
				provided within	collection system of SMC.		
				premises.			
		Details of segr	egation if to be o		·		
		Capacity and	no. of community	/ bins to be place	d within premises: Total 28 bins		
			•	•	al blocks & 37 bins with 80 lit		
		•	e provided for co				
			•		sed by local authority: at the		
			collection point.				
15.	Parking Details		-	t for the project as	s per GDCR: 4,258.74 m <sup>2</sup> +		
	Ū		for individual bu				
				•	per GDCR: Individual parking		
		area for bunga					
		•		commercial units :	as per GDCR: 4,258.74 m <sup>2</sup> .		
		•	•		t as per NBC: 185 CPS +		
			•	r each individual t	-		
					as per NBC: Every 225		
			have its individuation		as per NDO. LVERY 220		
		L Duriyalow will		a parning alea			

16.	Traffic Managemen	<ul> <li>Number of CPS requirement for commercial units as per NBC:185</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 5,604.22 m<sup>2</sup> &amp; 202 ECS</li> <li>Parking area provided in Surface (m<sup>2</sup>) &amp; No. of ECS: 2,184.37 m<sup>2</sup> &amp; 95 ECS</li> <li>Parking area provided in Basement (m<sup>2</sup>) &amp; No. of ECS:3,419.55 m<sup>2</sup> &amp; 107 ECS</li> <li>Parking area provided (at any other place-specify) (m<sup>2</sup>) &amp; No. of ECS: Individual parking space for one car &amp; two nos. of two wheelers will be provided in the premises of individual bungalows.</li> <li>Width of adjacent public roads: Site is accessible by 18.0 m wide side approach road.</li> <li>Number of Entry &amp; Exit provided on approach road/s: Two gates, one for</li> </ul>					
		<ul> <li>commercial units &amp; one for residential units.</li> <li>Width of Entry &amp; Exit provided on approach road/s: 6 m &amp; 9 m</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3m</li> <li>Width of all internal roads: 9 m &amp; 7.5 m.</li> </ul>					
17.	Details of Gr Building measures proposed.	en 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 Conservatior	<ul> <li>Power supply: Gujarat Electricity Board Maximum demand:1,500 KVA</li> <li>Connected load:2,500 KVA Source: Gujarat Electricity Board Energy saving by Non-conventional Methods:</li> <li>Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc.</li> <li>DG Sets: No. and capacity of the DG sets:1 x 150 KVA Fuel &amp; its quantity:50 lit/hr</li> </ul>					
19.	Fire and Life Safety Meas	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 st						
	Type of block	Distance of stairNumber of StairWidth of Stair caseFloor area (m²)case from the farthest cornercasein m					
	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> <li>Level of the Ground water table:35-40 m BGL</li> <li>No. &amp; dimensions of RWH tank(s):Nil</li> <li>No. and depth of percolations wells: 2 nos. of percolating wells.</li> <li>Details on Pre-treatment facilities :</li> </ul>					
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>):1,000</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>):-702.0</li> <li>Lawn covered area (m<sup>2</sup>):4,000.00</li> <li>Total Green Area (m<sup>2</sup>):5,702.00</li> </ul>					

		Green Area % of plot area:10%
		<ul> <li>No. of trees and species to be planted:705</li> </ul>
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 14.5 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 25.3 lacs and recurring cost of Rs. 5.5 lacs has been proposed for installation of energy efficient appliances, green belt development, rain water harvesting & ground water recharge, waste water management, solid waste management etc. during the operation phase.
24.	Dust control measures	Water sprinkling, maintaining roads & trees to avoid dust generation etc.
25.	Eco friendly building material usage details.	Fly ash & pozzolana cement will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces.
26.	Details of basic amenities to be provided to construction workers.	Adequate sanitation facilities, drinking water, bins for collection of municipal solid waste.

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, Screening & scoping /
		T.P.S.No.114, Village: Vastral, Dist: appraisal.
		Ahmedabad.

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 initiate	ed at site.		
8.	Project Details	<ul> <li>Land / Plot Area (m<sup>2</sup>):- 7,285.0</li> <li>FSI area (m<sup>2</sup>):- 24,086.96</li> <li>Total BUA (m<sup>2</sup>):- 30,121.63</li> </ul>				
		FSI Area (m <sup>2</sup> )	,	Permissible 19,669.50	Proposed 24,086.96	
		Ground Coverage (r Common Plot Area		Not Applicable 582.8	e 3,383.76 635.44	
		Max. Building Heigh		25	24.85	
9.	Building Details	<ul> <li>No. of Buildings :- 6</li> <li>No. of Blocks :- 8</li> <li>Scope of Buildings/Blocks: 2 buildings – basement + ground floor (shops &amp; parking) + 7 floors, 4 buildings – basement + hollow plinth + 7 floors.</li> <li>No. &amp; size of Residential Units: 336 (84 flats – 1 BHK, 252 flats – 2 BHK)</li> <li>No. &amp; Type of Commercial Units:16 Shops</li> <li>Details of Amenities if any:- None</li> </ul>				
10.	No. of expected residents / users	Fixed population cons Floating population co	•	-		
11.	Water & waste water details during construction phase	<ul> <li>Water requirement</li> <li>Source of water:- L</li> <li>Waste water generation</li> <li>Mode of disposal:-</li> <li>Details of reuse of the second second</li></ul>	ocal water tanke ation quantity (K Septic tank / Soa	L/day):- 4 ak pit system		
12.	Water & waste water details during operation phase	<ul> <li>Fresh water require</li> <li>Source of water:- A</li> <li>Waste water generation</li> </ul>	ement (KL/day):- hmedabad Muni ation quantity (K	257 icipal Corporat L/day): 204	tion (AMC) ged through AMC drainage	
13.	Status of water supply and drainage line	The existing wate from the project s	ite. drainage connec	-	tion is approx. 700 m away available to the project after	
14.	Solid Waste Management	Construction Phase:				
			Generation	Quantity to be reused	Mode of Disposal/Reuse	
		Top Soil	2,800 m <sup>3</sup>	2,800 m <sup>3</sup>	Development of greenbelt & levelling of low lying areas	
		Other Excavated Earth	11,200 m <sup>3</sup>	11,200 m <sup>3</sup>	Levelling of low lying areas and development of green belt area at proposed site itself.	
		Construction	530 m <sup>3</sup>	530 m <sup>3</sup>	Levelling roads,	

		Data				
		Debris			•	ts, plot filling,
		Steel Scrap	3.5 MT		plinth fillir	sold to scarp
		Sleer Scrap	3.5 1011		dealer.	solu lo scalp
		Discarded packing	1,45,000 Bags			ld to authorized
		Materials/ Bags	1,40,000 Dags		vendor.	
		materiale, Dage			rondon	
		Operation Phase:				
		Type of waste	Generation	Mode of	waste	Mode of
			Quantity (kg/day)	collect	ion	Disposal / Reuse
		Dry waste		44 Nos. of b	oins of 80	Will be regularly
				litre capacity		collected by
			852 kg/day	provided for	collection	AMC for
		Wet waste		of waste.		disposal
		<ul> <li>Details of segregat</li> </ul>				
		<ul> <li>Capacity and no. of</li> </ul>	•	-	within pren	nises:
		Total 44 Nos. – ead	ch of 80 litre capa	acity		
		Landfill site where	waste will be ult	imately dispos	sed by loca	al authority: Detail
		not available.				
15	5. Parking Details	Total parking area	requirement for t	he project as p	per GDCR:	2,805.81 m <sup>2</sup>
		Parking area requir	ement for reside	ntial units as p	er GDCR:	2,605.49 m <sup>2</sup>
		<ul> <li>Parking area requir</li> </ul>	ement for comm	ercial units as	per GDCR	R: 200.32 m <sup>2</sup>
		Total number of CF			•	
		Number of CPS rec		• •	•	
		Number of CPS rec				
		<ul> <li>Total parking area</li> </ul>	•		•	
		Parking area provid				
		Parking area provid     CPS	ded in nollow plir	ntn (m⁻) & No.	of ECS: 3	3,200.13 m <sup>-</sup> & 114
		<ul> <li>Parking area provid</li> </ul>	ded as open surfa	ace (m²) & No	. of ECS: 2	03.4 m <sup>2</sup> & 9 CPS
		<ul> <li>Parking area provid</li> </ul>	ded (at any other	· place-specify	) (m²) & N	o. of ECS: 317.72
		m <sup>2</sup> (50 % of total co	ommon plot area)	& 14 CPS.		
16	5. Traffic	Width of adjacent p			road.	
	Management	Number of Entry 8				o gates, including
	_	one gate for entry i	•	••		gates, moraanig
		Width of Entry & Ex		•		4 m
		•	•	•		
		Minimum width of	• •		•	asy access of fire
		tender (excluding th				
		Width of all internal	roads: ranging f	rom 4 m & 7.5	m	

17.	Details of Green Building measure proposed.					
		maximize the use o	f light colours in	the building	g envelope - to	
18.	Energy Requirement, Source and Conservation	<ul> <li>Power supply: Maximum demand During Constructio During Operation: 2 Source: M/s. Torre</li> <li>Energy saving by N sunlit areas</li> </ul>	n: 50 kW 2 MW nt Power Limited (	,	se of solar lightir	ng in common
		maximum use of L motors to optimize oriented so as to h building material h higher R-value to light and silent co	• 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.			
19.	Fire and Life Safety Measures	<ul> <li>During the operation reels, down comments storage tank havin each individual block</li> <li>Nearest fire station required for the fire</li> <li>During the construct protective equipments gloves, etc will be welding shields and related training to the machines, chains, in scaffolds &amp; ladders all electrical fittings</li> </ul>	s, manual alarm g 100 KL capacit k, n is Jasodanagar- tender to reach a ction phase: Fire e nts like earplugs, provided to all we d follow safer pu he construction w ropes, and other lis made of mild ste	system, one y, overhead Odhav fire t the project extinguisher dust masks orkers, all w ractice, prov orkers, main ifting tackles eel, complet	e nos. of under I tanks of 25 K station approx. site is 15 minute s in common ar , safety shoes, h vorkers will be t vision of first a ntaining hoists a s in good condit	rground water L capacity on (4 km).Time es. eas, personal nelmets, hand trained to use id facilities & and lifts, lifting ion, "H" frame copper wiring,
20.	Details on stairca	Ŧ				
	Type & No. of Buildings A	No. of Floors S.P. / H. P. + 7 Floors	Floor Area 394.55 m <sup>2</sup>	No. of Staircase 1	Width of the Staircase 1.52 m	Travel Distance 19.5 m
	B + C, F+G	H. P. +7 Floors	768.02 m <sup>2</sup>	2	1.50 m	20 m
	D, E	H. P. +7 Floors	275.53 m <sup>2</sup>	1	1.50 m	16.5 m

	H S	S.P. / H. P. + 7 Floors 394.55 m <sup>2</sup> 1 1.52 m 19.5 m
21.	Rain Water Harvesting (RWH)	<ul> <li>No. and depth of percolations wells : 2 Nos., 40 m depth</li> <li>Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month.</li> </ul>
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>) : 342</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>): 318</li> <li>Lawn covered area (m<sup>2</sup>): 250</li> <li>Total Green Area (m<sup>2</sup>): 910</li> <li>Green Area % of plot area: 12.5 %</li> <li>No. of trees and species to be planted: 115 trees of Asopalav, Gulmohar, Jamun, Badam, Chickoo etc. will be preferred.</li> </ul>
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	
27.	Documents related to land possession	5

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. Bhar Dahyabhai Patel.		100/1/1, F.P. No: 80, T.P.S strapur, Ahmedabad	Screening & scoping.		
Details	of the proposed pro	ject as presented be	fore the committee is tabulate	ed below:		
Sr. No.	Particulars	Details				
1.	Proposal is for	New Project [SIA/G	J/NCP/34894/2015]			
2.	Type of Project	Commercial Project	t			
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)				
4.	Name of the project		Commercial Project			
5.	Name of Developer	Bhanubhai Dahyab	hai 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> <li>Land / Plot Area (</li> <li>FSI area (m<sup>2</sup>): 23,</li> <li>Total BUA (m<sup>2</sup>):46</li> </ul>	,068 5,240.19	Democrat		
			Permissible	Proposed		
		FSI Area	23,068	23,068		
		Ground Coverage		3194.96		
		Common Plot Area		577		
		Max. building heig	iht 70	45		
9.	Building Details	No.& size of Resident of	s/blocks: 3 level basement + dential Units: NA nmercial Units: 35 shops and			
10.	No. of expected residents / users	2300 occupants an	d 300 visitors			
11.	Water & waste water details during construction phase	<ul> <li>Water requirement</li> <li>Source of water: Note water generies</li> <li>Mode of disposal:</li> <li>Details of reuse of the second se</li></ul>	Water tankers eration quantity (KL/day): 5.73 septic tank	3		
12.	Water & waste water details during operation phase	<ul> <li>Fresh water requi</li> <li>Source of water: \</li> </ul>	rement (KL/day):110.30 Water supply from AMC eration quantity (KL/day):86.4	.0		

		Mode of dispose	sal: Into sewer li	ne of AMC.		
13.	Status of water supply and	Available at site				
14.	drainage line Solid waste	Construction P	haso			
14.	Management		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse	
		Top Soil	2,000	2,000	Development of landscape area	
		Other excavated earth	38,000	16,000 m <sup>3</sup> 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 <sup>3</sup> will be used for development of internal road.	Balance debris will be handed over to local authority or fill in low laying area	
		Steel scrap	15	0	Sold to vendors	
		Discarded packing materials	10	0	Sold to vendors	
		Operation Phas	Generation	Mode of	Mode of	
			Quantity (Kg/day)	waste collection	Disposal / Reuse	
		Dry waste	288	White bins	Sold to vendors	
		Wet waste	432	Green Bins	Municipal bins	
		and 12 number • Landfill site wh	no. of community r of community b	bins to be placed bins to be placed i e ultimately dispos	n common area	Ū
15.	Parking Details	Total parking a     Parking area re	rea requirement equirement for C	for the project as commercial units a	as per GDCR:11,5	522.02 m <sup>2</sup>
		Number of CP	S requirement fo	ent for the project or commercial unit	s as per NBC:462	2
		Parking area p     CPS	rovided in baser	<sup>2</sup> ) & No. of CPS: nent (m <sup>2</sup> ) & No. o	f CPS: 11,669.67	& 364
10		Parking area pro Mechanical 3,88	ovided (at any ot 9.89 &121 CPS		(m <sup>2</sup> ) & No. of CP	
16.	Traffic Management	•	•	12 m and 36 m v d on approach ro		will be

			provided. • Width of Entry • Minimum wid		• •	h road/s:6 m e buildings for e	easy access of	f fire
			<ul> <li>Width of all in</li> </ul>	nternal roads: r		,		
17.	Details Buildin measu propos	g res ed.	motors & pum blocks, use of open and land	nps, water eff LED lighting f dscape areas- ter meters, ra	icient taps, m ixtures and lov 8 numbers c in water harve	chitectural desi aximum use c v voltage lightir of solar lighting esting & grour	if RMC & ae ng, solar lighti g, roof-top the	rated ing in ermal
18.	Energy Requirement, Source and Conservation		<ul> <li>Power supply Maximum der Connected lo</li> </ul>		VA			
			<ul> <li>% of saving with calculations: ~40% by use of LED lights, star rated energy efficient electronic consumer durables and solar lights.</li> <li>Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area</li> <li>DG Sets: No. and capacity of the DG sets:1 x 125 KVA Fuel &amp; its quantity: HSD, 25 litre/hr</li> </ul>					
19.	Fire an Safety Measu	res	<ul> <li>During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor &amp; ambulance service.</li> <li>During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, 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.</li> </ul>					I and st aid reel, inkler D KL near
20.	Details	on staircase						
20.								
		Type & no. of buildings	No. of	Floor area m <sup>2</sup>	No. of staircase	Width of the staircase (m)	Travel distance (m)	
		of buildings Commercial	No. of floors G + 13	m <sup>2</sup> 2,324.96	staircase 3	staircase	distance	
21.		of buildings Commercial /ater sting	No. of floors G + 13 • Level of the C • No. & dimens • No. and dept	m <sup>2</sup> 2,324.96 Ground water t sions of RWH t h of percolation	staircase 3 able: 21 m ank(s) : 2 No a ns wells : 2 no	staircase (m) 2.00 and 3.03 and 2.5m X 2.0 and 17 m	distance (m) 24 m X 3.0 m	
21.	Rain W Harves	of buildings Commercial /ater sting area	No. of floors G + 13 • Level of the C • No. & dimens • No. and depti • Details on Pro • Tree covered • Area covered • Lawn covered • Lawn covered • Total Green A • Green Area 9 • No. of trees a	m <sup>2</sup> 2,324.96 Ground water to sions of RWH to h of percolation e-treatment fact l area (m <sup>2</sup> ) :200 l by shrubs and d area (m <sup>2</sup> ):207 Area (m <sup>2</sup> ):777 % of plot area: and species to	staircase 3 able: 21 m ank(s) : 2 No a ns wells : 2 no cilities : oil and 0 d bushes (m <sup>2</sup> ): 7 10% be planted: 87	staircase (m) 2.00 and 3.03 and 2.5m X 2.0 and 17 m grease remova 100 number of tree	distance (m) 24 m X 3.0 m al and filter	
	Rain W Harves (RWH) Green	of buildings Commercial /ater sting area	No. of floors G + 13 • Level of the C • No. & dimens • No. and deptl • Details on Pro • Tree covered • Area covered • Lawn covered • Total Green A • Green Area % • No. of trees a KaadoSiris, J Spraying of wa	m <sup>2</sup> 2,324.96 Ground water to sions of RWH to h of percolation e-treatment fact area (m <sup>2</sup> ) :200 l by shrubs and d area (m <sup>2</sup> ) :47' Area (m <sup>2</sup> ):47' Area (m <sup>2</sup> ):777 % of plot area: and species to ambu, Asopala ter, Peripheral	staircase 3 able: 21 m ank(s) : 2 No a ns wells : 2 no cilities : oil and 0 d bushes (m <sup>2</sup> ): 7 10% be planted: 87 av, DesiBadam l barricading, co	staircase (m) 2.00 and 3.03 and 2.5m X 2.0 and 17 m grease remova	distance (m) 24 m X 3.0 m al and filter es and Limbdo r r cement	

## 279<sup>th</sup> meeting of SEAC-Gujarat, Dated 17.02.2016

Page **46** of **86** 

	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 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.

	<b>7</b> 1	5 I		
13.	Cosmos Plus	S.No.2	70/P 1, 270/P 2, Village: Madvi,	Screening & scoping /
		Ta. & D	Dist: Rajkot.	appraisal.

Sr. No.	Particulars			Details			
<u>1.</u> 1.	Proposal is for	New Project [	SIA/GJ/NCP/36	948/2015]			
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 (a	approx.)				
7.	Whether construction work has been initiated at site? If yes, details there of						
8.	Project Details	• FSI area (m	Area (m²): 9,24 ²): 17,338.01 m²): 22,145.02	9.0			
				Permissible	Proposed		
		FSI Area (m <sup>2</sup>	2)	17,341.87	17,338.01		
		Ground Cove	/	3,717.11	3,704.21		
		Common Plo		924.90	988.76		
		Max. building	height (m <sup>2</sup> )		19		
9.	Building Details	<ul> <li>No. of Buildings: 10 Nos.</li> <li>No. of Blocks: 10</li> <li>Scope of buildings/blocks: Hollow plinth + 5 floors.</li> <li>No. &amp; size of Residential Units: 200 flats of 3 BHK</li> <li>No. &amp; type of Commercial Units:</li> <li>Details of amenities if any:</li> </ul>					
10.	No. of expected residents / users	1200					
11.	Water & waste water details during construction phase	<ul> <li>Source of w</li> <li>Waste wate</li> <li>Mode of dis reused for c treatment.</li> </ul>	oosal: 20% loss oncrete Handli	ore well antity (KL/day):4 s on washing; res	.50 st will be collected and ng after necessary		
12.	Water & waste water		requirement (k				
	details during		•	t through RMC v	vater supply.		
	operation phase			antity (KL/day):8			
			•	• • • • •	ainage line of RMC.		
13.	Status of water supply and drainage line	Will be met th		pply from Rajkot	Municipal Corporation and		
14.	Solid waste	Construction I	Phase:				
	Management		Generation	Quantity to be	Mode of Disposal /		

		<b>T A H</b>			
		Top Soil	7,500	7,500	Reuse at site for green belt development and backfilling of low laying areas within premises.
		Other excavated earth			Whatsoever will be used for backfilling.
		Constructio n debris	142	142	Reuse in construction work , levelling ,road filling
		Steel scrap	4.5 tonnes aprox.		Sent to scrap vender
		Discarded packing materials	2 tonnes		Sent to scrap vender
15.	Parking Details	<ul> <li>Total parkin m<sup>2</sup></li> <li>Parking area m<sup>2</sup></li> <li>Total number of 0</li> <li>Total Parkin area 130 Nos.</li> </ul>	a requirement er of CPS requ CPS requirement og area provide a provided in h	for residential un irement for the p ent for residentia ed (m <sup>2</sup> ) & No. of iollow plinth (m <sup>2</sup> )	ect as per GDCR: 3,432.81 hits as per GDCR: 3,432.81 project as per NBC : 100 nos. I units as per NBC: 100 nos. ECS: 3,665.38 & 130 Nos. & No. of ECS: 3,665.38 &
16.	Traffic Management	<ul> <li>Number of E provided.</li> <li>Width of En</li> <li>Minimum wi fire tender (</li> </ul>	Entry & Exit pro try & Exit provi idth of open pa	ided on approac ath all around the width for the plar	ach road/s: 3 gates will be h road/s: 4 m & 6 m. e buildings for easy access of
17.	Details of Green Building measures proposed.	colors will be provided in control natural ventilation of CFL lightin light colors to	used for the volume of the vol	walls and ceiling of streets as far through proper e common area V absorption, a	ne power requirement. Light g. Solar street lighting will be as possible. Maximum use of building orientation. Provision us, roof-top thermal insulation, utomatic switching system for
18.	Energy Requirement, Source and Conservation	Connected Source: Fro • Energy say devices will switching of transformers 85%. Use of absorption building ma having hig	emand:377 KV load: 377 KVA m GEB ving measure be provided. iff lighting of s and motors of light colors and minimize aterials, having her R-value	s: Efficient lan Time switches buildings and s will be provided for the walls ar the associate g lower U-value will be sele	nps, luminaries and control will be installed for automatic street lighting of roads. The having minimum efficiency of nd ceiling to reduced the UV d cooling requirement. The e and the insulating material ected for optimum energy will be undertaken to identify

		<ul><li>the areas where wastage of energy occurs and for devising measures of energy conservation.</li><li>DG Sets: Not proposed.</li></ul>
19.	Fire and Life Safety Measures	<ul> <li>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.</li> <li>Underground fire water tank with storage capacity of 2 KL X 10 Nos. to be used during fire emergency, will be provided.</li> </ul>
20.	Details on staircase: on residential building.	e staircase of 1.2 m width will be provided in each of the proposed
21.	Rain Water Harvesting (RWH)	<ul> <li>Level of the Ground water table:100 m to 150 m</li> <li>No. &amp; dimensions of RWH tank(s) :-</li> <li>No. and depth of percolations wells: 4 nos.</li> <li>Details on Pre-treatment facilities : Catch pit &amp; Filtration.</li> </ul>
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>) :988.75</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>):</li> <li>Lawn covered area (m<sup>2</sup>):</li> <li>Total Green Area (m<sup>2</sup>):988.75</li> <li>Green Area % of plot area: 11%</li> <li>No. of trees and species to be planted: 275</li> </ul>
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:	Screening & scoping.
		Ankleshwar, D	ist: Bharı	uch.		

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 m<sup>2</sup> 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 m<sup>2</sup>.

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 m<sup>2</sup> 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 m<sup>2</sup> to 32,318.34 m<sup>2</sup>.
- 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-	Screening & scoping
		Sania – Hemad - Devadh), Kumbhariya, Surat	

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

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

Page 51 of 86

5.	Name of Developer	Mr. Jigneshbhai Patel				
6.	Estimated Project	Rs. 90 crores				
	Cost (Rs. In Crores)					
7.	Whether construction work has been initiated at site? If yes, details thereof	No				
8.	Project Details	• Land / Plot Area (m <sup>2</sup> ): 10,37	9			
		• FSI area (m <sup>2</sup> ): 41,485.18				
		• Total BUA (m <sup>2</sup> ):65,415.89				
			Permissible	Proposed		
		FSI Area (m <sup>2</sup> )	41,516.00	41,485.18		
		Ground Coverage (m <sup>2</sup> )	5,189.5	4,732.88		
		Common Plot Area (m <sup>2</sup> )	2,108.75	2,108.75		
		Max. building height (m)	65	53.6		
9.	Building Details	No. of Buildings:1				
		No. of Blocks:1				
		Scope of buildings/blocks: 2	level basement + gro	ound floor + 9 floors		
		<ul> <li>No.&amp; size of Residential Uni</li> </ul>	ts:			
		No. & type of Commercial U	nits:449 units			
		• Details of amenities if any:				
10.	No. of expected residents / users	2020				
11.	Water & waste water	Water requirement (KL/day)	: 30.0			
	details during construction phase	Source of water: water supp	• •			
	construction phase	Waste water generation qua	• • • • •			
		Mode of disposal: Details of		: Soak Pit		
12.	Water & waste water	Fresh water requirement (KI				
	details during operation phase	<ul> <li>Source of water: water supp water supplier</li> </ul>	ly from Gam Panchay	/at & packaged drinking		
		Waste water generation qua	ntity (KL/day): 65.0			
		<ul> <li>Mode of disposal: Sewage t</li> </ul>	o be generated will be	e treated in the proposed		
		onsite STP. Treated sewa	ge will be reused fo	or gardening & flushing		
		purpose within premises at				
		quantity of treated sewage	•	o Gam panchayat drain/		
		recycle for agriculture purpose.				
		<ul> <li>In case of STP provision, ca</li> </ul>		) KL/day		
		STP Technology: - FMR tec	••			
		• Purposes for treated water u	•	•		
		Quantity of treated water to				
			•	g (KL/day): 31.0		
		Provision of dual plumbing s				
		Quantity and type (treated/u	•	•		
		• Treated sewage will be recy	•	• • • •		
		house and excess treated so	•	• • • •		
		drainage or given to nearby	-	purpose.		
		Mode of disposal: as above.				
		279 <sup>th</sup> meeting of SEAC-Gujarat	Dated 17 02 2016			

13.	Status of water				
	supply and drainage				
4.4		Construction Dh			
14.	Solid waste Management	Construction Pha		Quantity to	Made of Dispagel /
	management		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse
		Top Soil	4,365.0	800.0	800 m <sup>3</sup> 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 <sup>3</sup> 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	15kg/day	Nil	Sold off to recyclers/
		debris Steel corep	1 Elica/dovi	_	vendors.
		Steel scrap	15kg/day		
		Discarded packing materials	6kg/day	-	
		Operation Phase		Mada af	Made of Dispacel /
		Type of waste	Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	306 kg/day	Into separa	-
		Wet waste	300 kg/day	bins to be provided within premises.	Khajod Disposal Site
		Details of segre	egation if to be		e bins for dry and wet waste
		will be provided			
				•	aced within premises:1 bin
		• • •		•	1 bin of 315 kg for wet waste
		-	d to the building		spaced by least sutherity; at
		Khajod Dispos			sposed by local authority: at
15.	Parking Details			t for the projec	ct as per GDCR: 20,742.59
			equirement for (	Commercial ur	nits as per GDCR: 20,742.59
			of CPS requirem	nent for the pro	pject as per NBC :166
		270 <sup>th</sup> mosting		•	

		Number of CPS requirement for commercial units as per NBC:166
		• Total Parking area provided (m <sup>2</sup> ) & No. of ECS: 21,375.73 m <sup>2</sup> and 700 ECS
		<ul> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 16,415.34 m<sup>2</sup> and 513 ECS</li> </ul>
		<ul> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS:1,428.34 m<sup>2</sup> and 51 ECS</li> </ul>
		<ul> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 2,108.75 m<sup>2</sup> and 92 ECS</li> </ul>
		<ul> <li>Parking area provided (Mechanical Parking) (m<sup>2</sup>) &amp; No. of ECS:1,423.30</li> <li>m<sup>2</sup> and 44 ECS</li> </ul>
16.	Traffic Management	Width of adjacent public roads:60 m & 18 m wide TP roads.
		<ul> <li>Number of Entry &amp; Exit provided on approach road/s: Two gates will be provided.</li> </ul>
		<ul> <li>Width of Entry &amp; Exit provided on approach road/s:7.0 m</li> </ul>
		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	Provision to install aerated coke (foam type) in wash basins, kitchen, low
17.	Building measures	flush water closets in toilet and pressure reducing valves in water pipeline,
	proposed.	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	Power supply:
	Requirement,	Maximum demand:3800 KW
	Source and	Connected load:4000 KW
	Conservation	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	• 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 p	project site:	4 km.			
20.	Details on stairc		•	,				
	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		
21.	Rain Water	• [	evel of the Gro	ound water t	able: 19m		-	
	Harvesting (RWH)	• N	<ul> <li>No. &amp; dimensions of RWH tank(s) :-</li> <li>No. and depth of percolations wells :3</li> <li>Details on Pre-treatment facilities :only roof top rainwater harvesting is</li> </ul>					
22.	Green area deta		roposed ree covered a	rea (m²): 60	0.0		-	
		• Area • Law		<ul> <li>Tree covered area (m<sup>2</sup>): 600.0</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>): 250.0</li> <li>Lawn covered area (m<sup>2</sup>): 400.0</li> <li>Total Green Area (m<sup>2</sup>): 1250.0</li> </ul>				
		• 0	<ul> <li>Green Area % of plot area: 9.63%</li> <li>No. of trees and species to be planted: 350 trees of local species.</li> </ul>					
23.	Budgetary allocation for Environment Management Pl (Rs. in lacs)	<ul> <li>etary allocation</li> <li>or Green belt development : 60Lacs</li> <li>or Drainage and rain water harvesting: 50 lacs</li> <li>or Sewage treatment plant: 200 Lacs</li> </ul>						
24.	Proposed dust control measure during the construction pha	es cei	ment unloadin	g activity, t		s, covered shed d screen around storage area.	•	
25.	Eco friendly buil material usage details.		Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.					
26.	Basic amenities be provided to construction workers.		nking water & ctor service, Pl	•	anitation facilitie	es, first aid box, fre	e medicines,	

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, Mo Ta:Kamrej, Dist: S		Screening & scoping / appraisal.			
Details of the proposed project as presented before the committee is tabulated below:								
Sr. No.	Particulars	Details						
1.	Proposal is for	New Pro	pject [SIA/GJ/NCP/	35888/2015]				
2.	Type of Project	Residen	tial / Commercial					
3.	Project / Activity No. [8(a) or 8(b)]	8(a)						
4.	Name of the project	Shiv Sh	nrushti					
5.	Name of Developer	Shiv Shrushti Developers.						
6.	Estimated Project Cost (Rs. In Crores)	Rs. 95.0	Rs. 95.0 Crore					
7.	Whether construction work has been initiated at site? If yes, details thereof	No						
8.	Project Details		/ Plot Area (m <sup>2</sup> ): 26	•				
			lot Area (m <sup>2</sup> ): 19,3					
			rea (m <sup>2</sup> ): 34,242.25					
		• Iotai	BUA (m <sup>2</sup> ) : 54,826	.64				
				Permissible	Proposed			
		FSI Are		34,458.90	34,242.25			
		Ground	d Coverage (m <sup>2</sup> )	8,687.14	7,363.05			

		Common Plot Area	a (m²)	1,931.	08	6,130.00		
		Max. building heig				18.30 m		
9.	Building Details No. of expected residents / users Water & waste water details during construction phase	<ul> <li>No. of Buildings: 09 Nos. Residential buildings &amp; 2 Nos. Commercial buildings</li> <li>No. of Blocks: 15 nos. of residential blocks + 2 commercial blocks.</li> <li>Scope of buildings/blocks: Residential buildings – basement + hollow plinth + 5 floors. Commercial buildings – basement + ground floor + 4 floors.</li> <li>No. &amp; size of Residential Units: 340 Flats</li> <li>No. &amp; type of Commercial Units: 152 Shops</li> <li>Details of amenities if any:</li> <li>Expected residents: 1700</li> <li>Expected shop users: 304</li> <li>Expected visitors: 500</li> <li>Water requirement (KL/day): 14.0</li> <li>Source of water: Bore well (water level depth: 08 meter)</li> <li>Waste water generation quantity (KL/day): 1.80</li> <li>Mode of disposal: septic tank &amp; soak pit.</li> </ul>						
	-	Details of reuse of the second s	of water,	if any:	W/W generated fr	rom washing of equipment will		
		be reused for cur	ring after	necess	sary treatment.			
12.	Water & waste water details during operation phase	<ul> <li>be reused for curing after necessary treatment.</li> <li>Total water requirement (KL/day): 275.30</li> <li>Fresh water requirement (KL/day): 155.52</li> <li>Source of water: Borewell (Water Level Depth: 18 m)</li> <li>Waste water generation quantity (KL/day): 200.5</li> <li>Mode of disposal: Sewage to be generated will be treated into STP and treated sewage will be totally reused for gardening &amp; toilet flushing.</li> <li>In case of STP provision, capacity of STP: 200 m3/day</li> <li>STP Technology: Primary, Secondary &amp; Tertiary Treatment</li> <li>Purposes for treated water utilization: Treated sewage will be utilized for gardening and toilet flushing</li> <li>Quantity of treated water to be reused (KL/day): 1. Gardening (KL/day): 24.50 2. Flushing (KL/day): 116.0</li> <li>Provision of dual plumbing system (Yes/No): Yes</li> <li>Quantity and type (treated/untreated)of water to be discharged: Nil</li> <li>Mode of disposal: Treated sewage will be completely reused for gardening &amp; toilet flushing.</li> </ul>						
13.	Status of water supply and drainage line	Borewell water will within premises.	be used.	It is pro	oposed to reuse t	reated sewage completely		
14.	Solid waste	Construction Phase	:					
	Management		Genera (m <sup>3</sup> )		Quantity to be reused (m <sup>3</sup> )	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 <sup>3</sup> will be used for back filling	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		

					develop	oment.
		Steel scrap	22			local scrap vendors
		Discarded packing materials	14		Sold to	local vendors
		Operation Phase:				
		Type of waste	Generation Quantity (Kg/day)	Mode of collection	waste	Mode of Disposal / Reuse
		Dry waste	666.72	Blue bucket	colour	Through door to door waste collection system of SUDA
		Wet waste	444.48	Green bucket	colour	Through door to door waste collection system of SUDA
		STP Sludge	20.0	On SDB		Reused in gardening as manure within project premises
		be disposed at t	ere waste will be the nearest MSN	ultimately dispose V collection site o	ed by loca f SUDA /	al authority: MSW will SMC.
15.	Parking Details	<ul> <li>Total parking area requirement for the project as per GDCR: 9,426.0 m<sup>2</sup></li> <li>Parking area requirement for residential units as per GDCR: 7,022.35 m<sup>2</sup></li> <li>Parking area requirement for Commercial units as per GDCR: 2,403.29 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC : 330</li> <li>Number of CPS requirement for residential units as per NBC: 170</li> <li>Number of CPS requirement for commercial units as per NBC: 160</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of ECS: 16,897.0 m<sup>2</sup> &amp; 557 ECS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 11,083.0 m<sup>2</sup> &amp; 346 ECS</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS: 5,303.0 m<sup>2</sup> &amp; 189 ECS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 511.0 m<sup>2</sup> &amp; 22 ECS.</li> </ul>				
16.	Traffic Management	<ul><li>in E direction</li><li>Number of Entry</li><li>Width of Entry 8</li><li>Minimum width</li></ul>	y & Exit provided & Exit provided o of open path all ng the width for th	on approach road n approach road/s around the buildin ne plantation): 3 m	d/s: 4 gat s: 6 m & 7 gs for ea	
17.	Details of Green Building measures proposed.	type aerated coke	e, rain water ha andscape lighti	rvesting, use of L ng, reflective/ w	_ED light hite tiles	ushing in toilets, foam is for common areas, in common areas, ated sewage etc.

18.	Energy Requirement, Source and Conservation Fire and Life Safety Measures	Maximu Source: • Energy s landscap natural l • DG Sets No. and Fuel & it	<ul> <li>Power supply Maximum demand: 3000 KVA Source: D.G.V.C.L</li> <li>Energy saving measures: use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light,</li> <li>DG Sets No. and capacity of the DG sets: 01 x 125 KVA Fuel &amp; its quantity: Low Sulphur High speed Diesel (HSD) &amp; quantity - 55 L/hr.</li> <li>Fire Extinguishers, hose reel, down comer, automatic sprinkler system in basement, terrace tank of 25 KL on each building, one electric pump of capacity</li> </ul>				
	-	900 L/min				rrace tank level	
20.	Details on stairca Bldg. No. A-B, N-O, P-	ase Floor No. G (H.P.) + 5	Floor Area (m <sup>2</sup> ) 784.06	No. of Passenger Lift 02	No. of Staircase 02	Width of Staircase (m) 1.20	Maximum Travel Distance up to the Staircase (< 30 m) 14.94
	Q C D-E, F-G, H-	G (H.P.) + 5 G (H.P.) + 5	392.03 608.24	01 02	01 02	1.20 1.20	14.94 13.14
	I, J-K, L-M Shopping-1 Shopping-2	G + 4 G + 4	733.38 844.26	02 02	02 02	1.50 1.50	20.04 23.71
21.	Rain Water Harvesting (RWH)	er • Level of the Ground water table: 8.0 m					
22.	22.Green area details• Tree covered area (m2) : 1,080.0 • Area covered by shrubs and bush • 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 plat Tree, Neem Tree, Gulmohor etc.				nes (m2): 5 %		av, Coconut Palm
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	towards pu	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.		•	red shed for struction mate		nloading activity	y, tarpaulin cover on

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.	17.
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Details of the proposed project as presented before the committee is tabulated below:

Sr.	Particulars	Details
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	Land / Plot Area (m <sup>2</sup> ): 11,293.0     FSI area (m <sup>2</sup> ): 45,000.94     Total BUA (m <sup>2</sup> ) : 74,421.87     Permissible Proposed

		FSI Area (m <sup>2</sup> )	45,00	2.48	45,000.94		
		Ground Coverage			2536.29		
		Common Plot Area	· · · ·		1237.00		
		Max. building heig	· /		70.40		
9.	Building Details	No. of Buildings: 5					
		No. of Blocks: 5 no	DS.				
		<ul> <li>Scope of buildings</li> </ul>	/blocks: 2 level	basement + hollo	ow plinth + 21 floors.		
		No. & size of Residence of			•		
		No. & type of Com					
		Details of amenitie					
10.	No. of expected	Expected residents:	<u> </u>				
	residents / users	Expected shop user					
		Expected visitors: 40					
11.	Water & waste	Water requirement		1			
	water details	Source of water: B			actor)		
	during		,	•	lieter)		
	construction	Waste water gene		(RL/uay). 2.70			
	phase	Mode of disposal:     Details of revues of	•				
			•	•	om washing of equipment will		
		be reused for curir	ig after necess	ary treatment.			
12.	Water & waste	- Totol wotor roguiro		200.0			
12.	water details	Total water require	· · ·				
	during operation	Fresh water requir					
	phase	Source of water: w					
		Waste water gene	• •	• • •			
		Mode of disposal:	•				
		•	vision, capacity	y of STP: Yes (Se	wage Treatment Plant – 200		
		m3)					
		STP Technology: (					
		-	ed water utiliza	tion: Treated sewa	age will be utilized in gardening		
		and toilet flushing					
		<ul> <li>Quantity of treated</li> </ul>	sewage to be		<b>U</b> (1)		
					ng (KL/day): 60.0		
		Provision of dual p	• •	. ,			
			•	,	discharged: Remaining		
			•	•	dening & flushing purpose will		
		be discharged into	•				
		•		<u> </u>	after treatment & reuse.		
13.	Status of water	Applied for connection	on of water sup	ply and drainage	connection.		
	supply and drainage line						
14.	Solid waste	Construction Phase:					
	Management	Generation Quantity to be Mode of Disposal / Reuse					
			(m <sup>3</sup> )	reused (m <sup>3</sup> )			
		Top Soil618.50618.50Reuse for developing					
			00 750 0 1	4 00 4 00 3	garden area		
		Other excavated earth	66,752.84	1,304.26 m <sup>3</sup> will be reused	Disposed to other project site in consultation with		
		Calui		for back filling.	SMC		
		Construction	781	$372 \text{ m}^3$ will be			
		debris		reused as a	plinth level or reused in		
			of SEAC-Guiarat				

				CII		and dama t	
				filler up to plinth level.	outer ro	ad development	
		Steel scrap	30		Sold to	local scrap vendors	
		Discarded				local vendors	
		packing	19				
		materials					
		Operation Phase:	Quanting	Mada		Mada of Diseased (	
		Type of waste	Generation Quantity	Mode of collection	waste	Mode of Disposal / Reuse	
			(Kg/day)				
		Dry waste	504.0	Blue	colour		
				bucket		door to door waste	
		Wet waste	336.0	Green	colour	collection system	
		wel waste	330.0	bucket	COlOUI	Through S.M.C door to door waste	
				Buokot		collection system	
		STP Sludge	20.0	On SDB		Reused in	
						gardening as	
						manure within	
		Dotoilo of operand	tion if to be dor	a. Saparata hina		project premises	
		• Details of segregation if to be done: Separate bins will be provided to collect dry					
		and wet waste.					
		<ul> <li>Capacity and no. of community bins to be placed within premises: 1.0 m3 in each building</li> </ul>					
		Landfill site where	wasta will be u	ltimately disposed	h by local	authority: Khaiod	
		Landfill site of SM		illinately disposed	i by local	authonity. Khajou	
15.	Parking Details	Total parking area		r the project as no		$\cdot 6.750.0 \text{ m}^2$	
		<ul> <li>Parking area required</li> </ul>	•			_	
		Total number of C		•			
		Number of CPS re	•	• •	•		
		Total Parking area	•		•		
		•	• • • •			26.0 m <sup>2</sup> & 550 ECS	
		<b>v</b> .		· · ·	-	752.0 m <sup>2</sup> & 63 ECS	
		•		· ·		$1,631.0 \text{ m}^2 \& 71 \text{ ECS}.$	
16.	Traffic						
	Management	Width of adjacent	-				
	management	• Number of Entry &	•	• •	•	es will be provided.	
		Width of Entry & E	•	••		v and a film to a film	
			· ·	•	s for eas	y access of fire tender	
		(excluding the wid	•	•			
47	Details of Oreas	Width of all international line of fly each have			. aline - + 11	under a tailate former	
17.	Details of Green Building	-				ushing in toilets, foam	
	measures	•••		•	•	r common areas, solar	
	proposed.	• .	e lighting, reliec	ive/ white thes in	commor	n areas, maximum use	
		of natural light etc.					

18.	Energy Requirement, Source and Conservation			<ul> <li>Power supply Maximum demand: 3000 KVA Source: D.G.V.C.L</li> <li>Energy saving measures: Use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles on terrace floor, maximum use of natural light etc.</li> <li>DG Sets No. and capacity of the DG sets: 2 x 125 KVA Fuel &amp; its quantity: Low Sulphur High speed Diesel (HSD) &amp; quantity – 55 L/h (Note: Interconnection of power supply between each D. G set will be provided to provide power supply during any emergency)</li> </ul>						
19.	Fire and Life Safety Measures			(ba ala for 162	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 <sup>2</sup> at terrace level etc.					
20.	De	etails or	n staircas	е						
		Bldg. No.	Floor N		Floor Area (m²)	No. of Staircas e	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.	Ha	ain Wate arvestin WH)		<ul> <li>Level of the Ground water table: 20.0 m</li> <li>No. &amp; dimensions of RWH tank(s) : 06 no. of RWH tanks;</li> <li>size: 4 m x 3 m x 3 m</li> <li>Size of Bore: 350 mm dia.</li> <li>Size of pipe: 150 mm dia.</li> <li>No. and depth of percolations wells: 06 nos. of percolating wells, depth will kept 5 m above ground water table.</li> <li>Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen</li> </ul>						
22.	details       • 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, C palm, Asopalav, Champa etc.         23.       Budgetary					lacs has been allocated				
	En Ma Pla	nvironm anagerr	ental nent	dev	• •	environment		• •		ter recharge, greenbelt e management, sewage

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.	Revised survey no. 15/1/1, O.P.No.9, F.P. No.9/1, D.T.P.S.No.3, Sanand,	
	Ahmedabad.	

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	Land / Plot Area (m	$(2)^{2} \cdot 66170$					
•		• FSI area (m <sup>2</sup> ): 14,888.12						
		• Total BUA (m <sup>2</sup> ): 25,518.14						
			, 	Permissible	Dropopod			
		FSI Area (m <sup>2</sup> )		14,888.25	Proposed 14,888.12			
		Ground Coverage (	m <sup>2</sup> )	14,000.25	2,553.22			
		Common Plot Area	· .	529.36	535.44			
		Max. Building Heigh	\ /	45	24.85			
	Decilelie e Dectaile			43	24.03			
9.	Building Details	No. of Buildings :- 4	ł					
		No. of Blocks :- 9						
		<ul> <li>Scope of Buildings</li> </ul>	/Blocks: 2 buildi	ngs (4 blocks	) – Ground floor (parking &			
		shops) + 7 floors. 2	buildings (5 bloc	cks) – hollow p	linth + 7 floors			
		No. & size of Resid	ential Units: 244	Flats				
		• No. & Type of Com	mercial Units:- 2	0 Shops				
		Details of Amenities	s if any:- None					
10.	No. of expected	Fixed population con	sidered for the pi	roject :- 1,280	Persons			
	residents / users	Floating population c	onsidered for the	project: 972 l	Persons/day			
11.	Water & waste	Water requirement		· · ·	·			
	water details	Source of water:- Local water tanker suppliers						
	during construction			••				
	phase	Waste water generation quantity (KL/day):- 2.5     Mode of disposal:- Septic tank / Seek pit system						
		Mode of disposal:- Septic tank / Soak pit system						
		Details of reuse of water, if any:- None						
12.	Water & waste	Fresh water requirement (KL/day):- 190.0						
	water details	<ul> <li>Source of water:- AUDA/ Sanand Nagarpalika water supply</li> </ul>						
	during operation	Waste water gener		0 1				
	phase	U U	• • •	• •	red through AUDA/ Sepand			
		Mode of disposal:- Waste water will be discharged through AUDA/ Sanand Nagarnalika drainage system						
10	Statue of water	Nagarpalika drainage system.						
13.	Status of water supply and							
	drainage line							
	aramage inte							
14.	Solid Waste	Construction Phase:						
	Management							
			Generation	Quantity to	Mode of Disposal/Reuse			
			0.500 3	be reused				
		Top Soil	3,500 m <sup>3</sup>	3,500 m <sup>3</sup>	Development of			
					greenbelt & levelling of			
		Other Excavated	14,000 m <sup>3</sup>	14,000 m <sup>3</sup>	low lying areas Levelling of low lying			
1		Earth	14,000 111	14,000 111	areas and development			
1					of green belt area at			
1					proposed site itself.			
		Construction	385 m <sup>3</sup>	385 m <sup>3</sup>	Levelling roads,			
1		Debris			pavements, plot filling,			
					plinth filling etc.			
1		Steel Scrap	3 MT		To be sold to scarp			
					dealer.			
		Discarded packing Materials/ Bags	1,20,000 Bags		To be sold to authorized			
		LINIOTORIOIO/ DOGO		1	vendor.			

		Operation Phase:				
		Type of waste	Generation Quantity (kg/day)	Mode of waste collection	Mode of Disposal / Reuse	
		Dry waste Wet 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	
		Nos. – each of 80 l	of community bir itre capacity	Not to be done ns to be placed within p nately disposed by local		
15.	Parking Details	<ul> <li>Total parking area requirement for the project as per GDCR: 1,846.67 m<sup>2</sup></li> <li>Parking area requirement for residential units as per GDCR: 1,578.75 m<sup>2</sup></li> <li>Parking area requirement for commercial units as per GDCR: 267.92 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC: 143 CPS</li> <li>Number of CPS requirement for residential units as per NBC: 122 CPS</li> <li>Number of CPS requirement for commercial units as per NBC: 21 CPS</li> <li>Number of CPS requirement for commercial units as per NBC: 21 CPS</li> <li>Total parking area provided (m<sup>2</sup>) &amp; No. of ECS: 7,002.12 m<sup>2</sup> &amp; 286 CPS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of ECS: 4,580.8 m<sup>2</sup> &amp; 143 CPS (including CPS provided through Mechanical Parking)</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of ECS: 1,686.5 m<sup>2</sup> &amp; 60 CPS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of ECS: 467.82 m<sup>2</sup> &amp; 21 CPS</li> <li>Parking area provided (at any other place-specify) (m<sup>2</sup>) &amp; No. of ECS: 267 m<sup>2</sup> (50 % of total common plot area) &amp; 12 CPS</li> <li>Parking area provided as mechanical parking in basement (m2) &amp; no. of CPS:</li> </ul>				
16.	Traffic Management	<ul> <li>Width of adjacent public roads: 24 m &amp; 18 m wide T.P.S.roads</li> <li>Number of Entry &amp; Exit provided on approach road/s: Three gates will be provided including one gate for entry into the basement.</li> <li>Width of Entry &amp; Exit provided on approach road/s: 4 m (basement entry), 6 m &amp; 7.5 m</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): At least 3 m</li> <li>Width of all internal roads: 7.5 m &amp; 6 m.</li> </ul>				
17.	Details of Green Building measures proposed.	Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for				

		absorption and assoc	iated cooling requ	uirements et	с.		
18.	Energy Requirement, Source and Conservation	<ul> <li>During Operation: 1 Source: M/s. Uttar Q</li> <li>Energy saving by N sunlit areas</li> <li>Energy saving me maximum use of L motors to optimize oriented so as to ha building material h higher R-value to h light and silent col reduced and associ</li> </ul>	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				
19.	Fire and Life Safety Measure	<ul> <li>the fire tender to real protective equipment gloves, etc will be welding shields and related training to the machines, chains, rescaffolds &amp; ladders all electrical fittings</li> <li>During the operation type (5 kg) will be hydrants, manually and alarm system,</li> </ul>	<ul> <li>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.</li> <li>During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practice, provision of first aid facilities &amp; related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds &amp; ladders made of mild steel, completely concealed copper wiring all electrical fittings / equipments used will meet the relevant IS standards etc.</li> <li>During the operation phase: Fire extinguishers of CO2 type (4.5 kg) and DCF type (5 kg) will be provided on each floor, hose reels, down comers, yard hydrants, manually operated electric fire alarm system, automatic detectior and alarm system, underground water tank of 150 KL capacity, terrace wate tank of 25 KL, two electric and one diesel pump of capacity 2,850 litre period.</li> </ul>				
20.	Details on stairc	ase					
	Type & No. of Buildings A + B	No. of Floors S.P. / H. P. + 7 Floors	Floor Area 402.35 m <sup>2</sup>	No. of Staircase 2	Width of the Staircase 1.52 m	Travel Distance 13 m	
	C + D	S.P. / H. P. + 7 Floors	400.04 m <sup>2</sup>	2	1.52 m	11.5 m	
	E + F + G	H. P. +7 Floors	555.47 m <sup>2</sup>	3	1.52 m	16 m	
	H + I	H. P. +7 Floors	402.35 m <sup>2</sup>	2	1.52 m	13 m	

21.	Rain Water	<ul> <li>No. and depth of percolations wells : 2 Nos., 40 m depth</li> </ul>
	Harvesting (RWH)	<ul> <li>Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush, and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month.</li> </ul>
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>) : 520.0</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>):</li> <li>Lawn covered area (m<sup>2</sup>): 268.0</li> <li>Total Green Area (m<sup>2</sup>): 788</li> <li>Green Area % of plot area: 12.5 %</li> <li>No. of trees and species to be planted: 90 trees of Asopalav, Gulmohar, Jamun, Badam etc. will be preferred.</li> </ul>
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Budgetary allocation of Rs. 5 lacs & Rs. 8 lacs has been proposed for Environmental Management Plan during the construction phase & operation phase 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	Survey Number 366/1, F.P. No 28/1,	Screening & scoping.
	Limited	T.P No: 86, Sarkhej, Ahmedabad	

Sr.	Particulars	Details			
No.					
1.	Proposal is for	New Project [SIA/GJ/NCP/373	36/2015]		
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> <li>Land / Plot Area (m<sup>2</sup>): 4,510.</li> <li>FSI area (m<sup>2</sup>): 15,011.72</li> <li>Total BUA (m<sup>2</sup>):24,725.92</li> </ul>	98		
			Permissible	Proposed	
		FSI Area (m <sup>2</sup> )	16,239.52	15,011.72	
		Ground Coverage (m <sup>2</sup> )	NA	2,162.61	
		Common Plot Area(m <sup>2</sup> )	451.10	451.10	
		Max. building height(m)	NA	45	
9.	Building Details	<ul> <li>No. of Buildings:1</li> <li>No. of Blocks:1</li> <li>Scope of buildings/blocks: 2</li> <li>No.&amp; size of Residential Unit</li> <li>No. &amp; type of Commercial Unit</li> <li>Details of amenities if any: N</li> </ul>	s: NA hits: 300 Beds	round floor + 8 floors.	
10.	No. of expected residents / users	1508 occupants and 50 visitor	S		
11.	Water & waste water details during construction phase	<ul> <li>Water requirement (KL/day): 21.75</li> <li>Source of water: Tankers</li> <li>Waste water generation quantity (KL/day): 5.73</li> <li>Mode of disposal: septic tank</li> <li>Details of reuse of water, if any: No</li> </ul>			
12.	Water & waste water details during operation phase	<ul> <li>Total water requirement (KL/</li> <li>Fresh water requirement (KL</li> <li>Source of water: water supple</li> <li>Waste water generation qual</li> <li>Mode of disposal: Sewage to onsite STP and treated seware flushing and HVAC cooling processing to the several several</li></ul>	day): 282.88 /day):171.36 y from AMC ntity (KL/day):112.2 be generated will b ge will be complete	ly used for gardening,	

		• In case of STP	provision, capa	acity of STP-125 k	(I /day		
		<ul> <li>In case of STP provision, capacity of STP:125 KL/day</li> <li>STP Technology: Biological</li> </ul>					
		Purposes for treated water utilization: Gardening, Flushing and cooling					
		water make up					
		<ul> <li>Quantity of treat</li> </ul>	ated water to be		ning (KL/day): 2.02		
					ng (KL/day):3.5		
					g (KL/day):106.0		
				stem (Yes/No): Ye			
					be discharged: Treated		
		-	completely reu	sed.			
13.	Status of water	Mode of disposed Available at 0.6		<u>,                                     </u>			
13.	supply and	Available at 0.0		;			
	drainage line						
14.	Solid waste	Construction Ph	ase:				
	Management		Generation	Quantity to be	Mode of Disposal / Reuse		
			(m <sup>3</sup> )	reused (m <sup>3</sup> )			
		Top Soil	1950	1950	Development of		
					landscape area		
		Other	37050	17,550 m <sup>3</sup> will	Balance earth will be		
		excavated		be used for	used at other projects as		
		earth		back filling	per requirement.		
				and raising plinth level.			
		Construction	200	90 m <sup>3</sup> will be	Balance debris will be		
		debris	200	used for	handed over to local		
				development	authority or fill in low		
				of internal	laying area		
				road	5 0		
		Steel scrap	10	0	Sold to vendors		
		Discarded	18	0	Sold to vendors		
		packing					
		materials					
		Operation Phase	o.				
		Type of waste	Generation	Mode of	Mode of Disposal / Reuse		
			Quantity	waste			
			(Kg/day)	collection			
		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	150	Different	(CBWTF) for its disposal.		
		waste		colour coded			
				containers/ba			
				gs as per the			
				Biomedical			
				Waste			
				(Management & Handling)			
				Rules 1998.			
		Details of segr	enation if to be		L		
		-	-	-	d within promises: 15 kg and		
				•	d within premises: 15 kg and		
			•	to be placed in co			
1		• Landfill site wh	iere waste will b	e uitimately dispo	sed by local authority: at the		

		nearest MSW collection point of AMC.
15.	Parking Details	<ul> <li>Total parking area requirement for the project as per GDCR: 7,505.86 m<sup>2</sup></li> <li>Parking area requirement for Commercial units as per GDCR:7,505.86 m<sup>2</sup></li> <li>Total number of CPS requirement for the project as per NBC :396</li> <li>Number of CPS requirement for commercial units as per NBC:245</li> <li>Number of CPS requirement as per NBC for 300 Beds : 150</li> <li>Total Parking area provided (m<sup>2</sup>) &amp; No. of CPS: 12,748.74 &amp; 403 CPS</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 6,109.87 &amp; 190 CPS</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS:529 &amp;23 CPS</li> <li>Parking area provided (at any other place-specify) (m<sup>2</sup>) &amp; No. of CPS: Mechanical 6,109.87 &amp; 190 CPS.</li> </ul>
16.	Traffic Management	<ul> <li>Width of adjacent public roads: 30 m wide road</li> <li>Number of Entry &amp; Exit provided on approach road/s: Two gates will be provided.</li> <li>Width of Entry &amp; Exit provided on approach road/s: 6 m.</li> <li>Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5.0 m</li> <li>Width of all internal roads: minimum 6 m</li> </ul>
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> <li>Power supply: Maximum demand: 1334.05 KVA Connected load: 2828.5 KVA Source: Torrent Power Limited.</li> <li>% of saving with calculations: ~40% by use of LED lights &amp; solar street lights and star rated energy efficient electronic consumer durables</li> <li>Compliance of the ECBC guidelines (Yes / No), if yes, compliance in tabular form: only roof area</li> <li>DG Sets: No. and capacity of the DG sets: 2 x 1010 KVA Fuel &amp; its quantity: HSD, 450 litre/hr</li> </ul>
19.	Fire and Life Safety Measures	<ul> <li>During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor &amp; ambulance service.</li> <li>During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, 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.</li> </ul>

20.	Details on stairca	se		-				
	Type & no of building		Floor area m <sup>2</sup>	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><li>No. &amp; dimens</li><li>No. and depth</li></ul>	<ul> <li>Level of the Ground water table: 19 m</li> <li>No. &amp; dimensions of RWH tank(s) : 2 No and 2.5m X 2.0 m X 3.0 m</li> <li>No. and depth of percolations wells : 2 no and 16 m</li> <li>Details on Pre-treatment facilities : oil and grease removal and filter</li> </ul>					
22.	Green area details	<ul> <li>Tree covered area (m<sup>2</sup>) :200</li> <li>Area covered by shrubs and bushes (m<sup>2</sup>):100</li> <li>Lawn covered area (m<sup>2</sup>):151.10</li> <li>Total Green Area (m<sup>2</sup>):451.10</li> <li>Green Area % of plot area: 10%</li> <li>No. of trees and species to be planted: 70 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar</li> </ul>						
23.	Dust control measures	Spraying of water, Peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc.						
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 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 avoi 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 f land for comme Limited through	rcial use has l		•	shows that the N.A ha Research		

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.	Screening & scoping.
		Scheme No. 5, Vesu-Bhimrad, Surat	

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:

-	I =	
Sr.	Particulars	Details
No.		
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> <li>Land / Plot Area (m<sup>2</sup>)</li> </ul>	15 000 0	
0.				
		• FSI area (m <sup>2</sup> ): 63,68		
		<ul> <li>Total BUA (m<sup>2</sup>):1,03,</li> </ul>	779.80	
			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	No. of Buildings:3 (2	residential + 1 comm	nercial)
		• No. of Blocks: 3 ((2 r	esidential + 1 comme	ercial))
		<ul> <li>Scope of buildings/b</li> </ul>	locks: 2 residential bu	uildings – basement + hollow
				3 level basement + ground
		floor + 19 floors.	0	3
			ercial units to come u	p in the proposed commercial
		building are as unde		r
		•		- restaurant, multiplex, food
				& multiplex. 6 <sup>th</sup> floor – offices,
		-	-	<sup>th</sup> floor – hotel rooms, offices,
				ins & offices. $10^{\text{th}}$ to $19^{\text{th}}$ floor –
		offices.		$13 \times 011003$ . 10 10 13 1001 –
		<ul> <li>No.&amp; size of Resider</li> </ul>	tial Unite: 14	
				of chang/officers Multiplay
		••		of shops/offices. Multiplex
		•	eats. Restaurant nav	ing seating capacity of 150.
		Hotel with 79 rooms		
		Details of amenities	if any:	
10.	No. of expected residents / users	4541		
11.	Water & waste	Water requirement (I	KL/day): 30.0	
	water details during	<ul> <li>Source of water: SM</li> </ul>	C water supply.	
	construction phase	Waste water generation	tion quantity (KL/day)	: 2.28
		<ul> <li>Mode of disposal: In</li> </ul>	o septic tank & soak	pit.
12.	Water & waste	<ul> <li>Fresh water requirer</li> </ul>	nent (KL/dav): 300.0	•
	water details during	•		kaged drinking water supplier.
	operation phase	<ul> <li>Waste water general</li> </ul>		• • •
		•	• • • • • •	discharged in to SMC
		drainage line after tre	•	
		<ul> <li>In case of STP provi</li> </ul>		: - 300 KL /day
		•	• •	500 RE/day.
		STP Technology: - I	•••	
		Purposes for treated		
1		Quantity of treated w		
1		Provision of dual plu		,
1		<ul> <li>Quantity and type (tr</li> </ul>		ater to be discharged:
		<ul> <li>235 KL/day of treate</li> </ul>	•	
		<ul> <li>Mode of disposal: SI</li> </ul>	AC drainage line.	
13.	Status of water	Both drainage and wate	er supply lines exist a	t site.
	supply and			
	drainage line			
14.	Solid waste	Construction Phase:		

	Management							
			Generatio n (m <sup>3</sup> )	Quar to be reus (m <sup>3</sup> )	÷	Mode of	f Disposal / Reuse	
		Top Soil	5,036.62	960		soil wil greenbe remainir	h <sup>3</sup> of excavated top I be utilized for elt development & ng quantity of Top II be utilized for ing.	
		Other excavated earth	77,502.76	2,83	2.92	2,832.92 soil wil back fi Excess at other obtainin	2 m <sup>3</sup> of excavated I be utilized for illing within site. soil will be utilized r project site after	
		Constructio n debris Steel scrap	15kg/day 15kg/day	Nil			to recyclers/	
		Discarded packing materials	6kg/day	_				
		Operation Pha				- (		
		Type of waste	Generati Quantity (Kg/day)		Mode waste collec	e tion	Mode of Disposal / Reuse	
		Dry waste Wet waste	600 kg/d 419 kg/d		Into s bins t provic within premi	ded I	Final disposal at Khajod Disposal Site	
			egregation if		done:	Separate	bins for dry and wet	
		of bins havi		of 300	kg eac	h for dry	ced within premises: waste and 2 nos of 2 J.	
		Khajod Dis	posal Site				bosed by local autho	-
15	5. Parking Details	m <sup>2</sup>					as per GDCR: 27,42 as per GDCR: 1,891	
		25,537.97 r	m².				s as per GDCR:	
		<ul><li>Number of</li><li>Number of</li></ul>	CPS require CPS require	ment f ment f	ior resider	dential un imercial u	ect as per NBC :794 its as per NBC: 44 inits as per NBC:750	)
		<ul> <li>Total Parkir</li> </ul>	ng area prov	ided (r	m⁺) & N	No. of CPS	S: 30,587.19 m <sup>2</sup> and	11005

		<ul> <li>CPS.</li> <li>Parking area provided in basement (m<sup>2</sup>) &amp; No. of CPS: 24,773.49 m<sup>2</sup> and 775 CPS.</li> <li>Parking area provided in hollow plinth (m<sup>2</sup>) &amp; No. of CPS: 3,040.62 m<sup>2</sup> and 109 CPS.</li> <li>Parking area provided as open surface (m<sup>2</sup>) &amp; No. of CPS: 2,773.06 m<sup>2</sup></li> </ul>
		and 121 CPS.
16.	Traffic Management	<ul> <li>Width of adjacent public roads:45 m wide TP road.</li> <li>Number of Entry &amp; Exit provided on approach road/s: Two gates will be provided.</li> <li>Width of Entry &amp; Exit provided on approach road/s:7.5 m &amp; 4.5 m.</li> <li>Minimum width of open path all around the buildings for easy access of</li> </ul>
		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	<ul> <li>Power supply: Maximum demand:4900 KW</li> <li>Connected load:5050 KW</li> <li>Source: DGVCL</li> <li>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.</li> <li>DG Sets: No. and capacity of the DG sets:5 x 132 KVA Fuel &amp; its quantity: diesel (10 Liter/h) Note : - D.G. Sets will be used incase of power failure or fire emergency</li> </ul>
19.	Fire and Life Safety Measures	<ul> <li>During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor &amp; ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc.</li> <li>During the operation phase: Fire extinguishers (portable &amp; mobile) at each floor, hose reel, wet riser opening at each floor, manually operated electric fire alarm system, terrace water storage tank of 15 KL, underground fire water storage tank of 300 KL capacity, smoke detectors etc.</li> <li>Nearest fire station: Bhatar fire station. Distance from project site: 4 km.</li> </ul>

20.	Details on stairc	ase					
	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	
	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)	el of the Gro & dimensior and depth o ails on Pre-tr oosed	ns of RWH ta f percolatior	ank(s) :- ns wells :4	top rainwater harv	esting is	
22.							
23.							
24.	Proposed dust control measures during the			activity, te		, covered shed po screen around p storage area.	
25.	Eco friendly building materia usage details.	n brick, aera	ted blocks, p	oaving blocks, F	RMC, lead free pai	nts 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 rela to land possess	5			that the N.A lan evelopers, a pa	nd for residential u artnership firm.	se is in the

They have submitted floor wise plans of the commercial building, which shows that 5 staircases will be provided up to 4<sup>th</sup> floor and 4 nos. of staircases of 2.01 m width will be provided up to 19<sup>th</sup> 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	B.No.224, 484, Village: Amadpore, Ta. & Dist:	Screening & scoping /
	construction project	Navsari.	appraisal.
	by Mr. Ajaybhai B.		
	Undhad.		

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	• Land / Plot Area (m <sup>2</sup> ): 2,7	1,841.0			
		• FSI area (m <sup>2</sup> ): 59,117.52				
		• Total BUA (m <sup>2</sup> ): 69,498.45 m <sup>2</sup>				
			Permissible	Proposed		
		FSI Area (m <sup>2</sup> )	2,89,611.44	59,117.52		
		Ground Coverage (m <sup>2</sup> )	96,537.14	59,117.52		
		Common Plot Area (m <sup>2</sup> )	27,184.10	27,308.6		
		Max. building height (m)		7.20		
9.	Building Details	A Residential Row House	Type Project has 1	491 Row Houses of G +		
		stair cabin.				
		Part 1-559 Row Houses				
		Part 2-932 Row Houses				
10.	No. of expected	7455 person residence				
10.	residents / users					
11.	Water & waste water	Water requirement (KL/date)	ay): 25.0			
	details during	Source of water: Bore We	ell water			
	construction phase	Waste water generation of	quantity (KL/day):	5.5		
		Mode of disposal: Tempo				
		• Details of reuse of water,		•		
12.	Water & waste water	Total water requirement (KL/day): 1,012.0				
	details during	<ul> <li>Fresh water requirement (KL/day): 469.0</li> </ul>				
	operation phase	Source of water: Water supply from Amadpore Gram Panchayat.				
		Waste water generation quantity (KL/day): 905.0				
		• Mode of disposal: Sewa	age to be genera	ted will be treated in the		
		proposed onsite STPs. T	reated sewage wi	Il be reused for flushing &		
		gardening purpose withir	premises and rer	maining quantity of treated		
		sewage will be reused for	•	•		
		• In case of STP provision	n, capacity of STI	P: 2 STPs of 500 KL/day		
		each.				
		STP Technology: Biologi				
		<ul> <li>Purposes for treated wate</li> </ul>	•			
		Quantity of treated water		•		
		2. Flushing (KL/day):462.0, 3. Irrigation in their farm (KL/day): 362.0				
		<ul> <li>Provision of dual plumbing system (Yes/No): Yes</li> </ul>				
		-				
		<ul> <li>Quantity and type (treated/untreated)of water to be discharged: Sewage to be generated will be segregated into the black &amp; grey</li> </ul>				
		<b>u</b>	• •	the proposed onsite STP.		
				ing & gardening purpose		
		c		of treated sewage will be		
		_	• • •	During monsoon season		
		the treated sewage will	be discharged	into the drainage line of		
		Amadpore gram panchay	vat.			
		Mode of disposal: As abov	е			
13.	Status of water	Local village panchayat wi	I provide water su	pply & drainage line.		

14.	Solid waste	Construction Pha	1		
	Management		Generation (m <sup>3</sup> )	Quantity to be reused (m <sup>3</sup> )	Mode of Disposal / Reuse
		Top Soil			It will be reused
					in tree & lawn
			6,990.70	6,990.70	development.
		Other excavated	69,907.00	43,007	It will be reused in internal road
		earth		26,900	development It will be supplied to the village panchayat for
					making village road.
		Construction debris	50 m <sup>3</sup>	50 m <sup>3</sup>	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 8 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.
		Details of segre	gation if to be	done: No	
		Capacity and no bins having volu	o. of communi ume 0.25 m3	ty bins to be plac	ed within premises
			-	-	Gram Panchayat ately disposed by lo

15.	Parking Details		Requirement	Provision			
		As per the NBC	745 ECS	1491 ECS			
		As per the GDCR	6990.70 m <sup>2</sup>	34,293.0 m <sup>2</sup> as open			
				surface parking within			
				premises of individual			
				bungalows & designated			
				open parking areas outside the bungalows .			
16.	Traffic Management	Width of adjacent /	••				
		<ul> <li>No. of Entry and Ex</li> </ul>	0				
		<ul> <li>Width of internal road</li> </ul>	ads: 6.10 m, 7.5 m,	9.15 m & 12.20 m.			
		Minimum width of o	pen path all around	the buildings for easy access			
		of fire tender: 3 m to	o 4.5 m				
		• Width of Entry & Exit: 12.2 m & 7.5 m.					
17.	Green building			used. Aerated water will be			
	features including measures for	•	•••	rious energy conservation			
	conservation of water			low voltage lightings in			
	& energy, use of eco-			ation & light, energy saving			
	friendly building		•	d inverter system through			
	materials, etc.	cross ventilation & bu	ilding orientation et	iC.			
18.	Energy requirement,	<ul> <li>Power supply</li> </ul>					
	source and conservation	Waxing a condition					
	CONSERVATION	Source: DGVCL					
	<ul> <li>% of saving with calculation: 25% saving by using CFL, solar lighting</li> </ul>						
		& star rated energy efficient electronic appliances.					
		DG Set:					
		<ul> <li>No. &amp; capacity of D</li> </ul>		N .			
		<ul> <li>Fuel &amp; it quantity: H</li> </ul>					
19.	Fire and Life Safety		red fire safety meas	sures as per statutory			
	Measures	provision.					
20.	Details on staircase: O	ne staircase will be pro	ovided in individual i	raw houses.			
21.	Rain Water	Level of the Ground	water table: 30 fee	et in monsoon			
	Harvesting	• 45 feet in summer					
	(RWH)	• No. & dimensions o	f RWH tank(s):				
		• No. and depth of pe		nos. & 40 m			
		<ul> <li>Details on Pre-treat</li> </ul>					
22.	Green area details			periphery of compound wall			
		<ul> <li>Area covered by sh</li> </ul>					
		Lawn covered area		-			
		<ul> <li>Total Green Area (m<sup>2</sup>): 25,100 m<sup>2</sup></li> <li>Green Area % of plot area: 10 %</li> </ul>					
		•		of local species Neem, Pipal,			
		Vad, Sevan, Kadan		יוסטמו שטטופט ועכפווו, דוואמו,			
23.	Dust control			, covered shed for cement			
23.	measures			rth with tarpaulin sheet etc.			
24.			-	for erection & commissioning			
<u></u> 24.	Budgetary allocation for Environmental	of STP, for tree plant	•	•			
	Management Plan			ะ และของแก่ง.			
		│ 279 <sup>th</sup> meeting of SEAC-Guj		,			

	(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 Plot No.1, S.No.26/P/5, Village Adhewada,		Screening & scoping /	
	by Mr. Kanubhai	Dist: Bhavnagar.	appraisal.	
	Nagjibhai Kakadia			

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

Sr.	Particulars	Details				
No. 1.	Proposal is for	New Project [SIA/GJ/NCP/33688/2015]				
2.	Type of Project	Residential Project	0000/2013			
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> <li>Land / Plot Area (m<sup>2</sup>): 6,718.30</li> <li>FSI area (m<sup>2</sup>):17,959.33</li> <li>Total BUA (m<sup>2</sup>):22,647.34</li> </ul>				
			Permissible	Proposed		
		FSI Area (m <sup>2</sup> )	17,959.33	17,959.33		
		Ground Coverage (m <sup>2</sup> )		1,874.87		
				671.87		
		Max. building height (m)	45 m	39 m		
9.	Building Details	<ul> <li>No. of Buildings:6</li> <li>No. of Blocks:6</li> <li>Scope of buildings/blocks: 4 buildings – hollow plinth +elevated ground floor + 11 floors, 2 buildings – hollow plinth + elevated ground floor + 10</li> </ul>				

		floors.						
		No.& size of Residential Units:356 flats						
		No. & type of Commercial Units:						
10.	No. of expected	Resi1600 users including floating population						
	residents / users	Resi. Tool users melualing heating population						
11.	Water & waste	Water requirement (KL/day):25.0						
	water details	-		-	gar Area Development			
	during	<ul> <li>Source of water: Water supply from Bhavnagar Area Development Authority.</li> </ul>						
	construction phase	-	Waste water generation quantity (KL/day):4.5					
		Mode of disposal: Soak pit						
			<ul> <li>Mode of disposal: Soak pit</li> <li>Details of reuse of water, if any:N.A.</li> </ul>					
12.	Water & waste							
12.	water details	<ul> <li>Fresh water requirement (KL/day):196.0</li> <li>Source of water: Water supply from Bhavnagar Area Development</li> </ul>						
	during operation		water. water sup	piy nom bhavha	gai Area Development			
	phase	Authority.			72.0			
			•	antity (KL/day):1				
			sposal: Into drail	nage line of Bhav	nagar Area Development			
40	Otatus africator	Authority.	h 0 duala a un	Para and the second				
13.	Status of water supply and	Developmen	, ,	line will be p	rovided by Bhavnagar Area			
	drainage line	Developmen	a Autionty					
14.	Solid waste	Construction	Phase:					
	Management		Generation	Quantity to	Mode of Disposal / Reuse			
			(m <sup>3</sup> )	bereused				
				(m <sup>3</sup> )				
		Top Soil	500	500	Top soil will be used in			
		Other excavated			developing garden area and excavated earth if any,			
		earth			will be used for land			
		Cartin			levelling within premises.			
		Constructi	Whatsoever	Whatsoever	Will be used as road sub			
		on debris			base within premises.			
		Steel	Whatsoever	Whatsoever	Will be sold to vendors.			
		scrap						
		Discarded	Whatsoever	Whatsoever	Top soil will be used in			
		packing materials			developing garden area and excavated earth will			
		materials			be used for land levelling			
					within premises.			
					· · ·			
		Operation Pl						
		Type of	Generation	Mode of	Mode of Disposal / Reuse			
		waste	Quantity	waste				
		Dry waste	(Kg/day) 427	collection Into bins to	These bins will be regularly			
		Dry waste	427	be provided	emptied by BADA.			
				within				
				premises.				
		Wet waste	285	Into bins to	These bins will be regularly			
				be provided	emptied by BADA.			
				within				
	Details of segregation if to be done: No.							
					aced within premises: Total 45			
		<u>279<sup>th</sup> me</u>	eting of SEAC-Guja	rat, Dated 17.02.20	<u>16</u>			

				•	-	residential block	
					•	sposed by local a	uthority: final
			disposal at the	e MSW dumpiı	ng / collection site	e of BADA.	
15.	Parking Detail	S	<ul> <li>Total parking</li> </ul>	area requirem	ent for the projec	t as per GDCR: 3	3,650.24 m <sup>2</sup> .
			Parking area	requirement fo	r residential units	as per GDCR: 3	3.650.24 m <sup>2</sup> .
			•	•		ject as per NBC:	
				•	•	nits as per NBC:	
				•		•	
			-	-		PS: 6,076.29 m <sup>2</sup> 8	
			<ul> <li>Parking area</li> <li>63 CPS.</li> </ul>	provided in hol	liow plinth (m²) &	No. of CPS:1,75	1.90 m <sup>-</sup> &
			<ul> <li>Parking area 188 CPS.</li> </ul>	provided as op	en surface (m <sup>2</sup> )	& No. of CPS: 4,:	324.39 m <sup>2</sup> &
16.	Traffic	<ul> <li>Width of adjace</li> </ul>	cent public roa	ds: 30 m wide ro	ad.		
	Management		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 in	•	•	). e	
17.	Details of Gree	on				ing blocks and	anv cement
17.	Building meas					used for painting	
	proposed.	anoo	metal surfaces.				
18.	Energy		Power supply:Paschim Gujarat Vij Company Ltd				
	Requirement,		Maximum demand:1000 KVA				
	Source and		Connected load:1500 KVA				
	Conservation						
			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:				
			<ul> <li>No. and capacity of the DG sets:1 x 150 KVA</li> </ul>				
			<ul> <li>Fuel &amp; its quantity:HSD-30 lit/hr</li> </ul>				
19.	Fire and Life				ater tanks- 100	KL × 2 nos.,	
	Safety Measures		terrace water tank of 20 KL capacity on all the buildings, fire extinguishers,				
			fire alarms, hose reels, external hydrants & wet risers, pumping				
			arrangement	pump, auto o	peration with		
			pressure switch, first aid box, displaying of important telephone				
			etc.				
20.	Details on stai	ircase					
	Type of		ance of stair	Number of	Width of Stair	Floor area	
	block		e from the	Stair case	case (m)	(m <sup>2</sup> )	
			est corner (m)				_
	Block A	10.7		1	1.50 m		_
	Block B	11.3		1	1.50 m		_
	Block C	10.5		1	1.50 m		
	Block D	11.5		1	1.50 m		
	Block E Block F	19.9 16.6		1	1.50 m 1.50 m		
21.	Rain Water	10.0		•	able:35-40 m BG		
<u>۲</u> ۱.	Harvesting					L	
	(RWH)		No. & dimens		ank(s):nil		

		No. and depth of percolations wells:3 nos. of percolating wells,10 m		
		Details on Pre-treatment facilities :		
22. Green area details		• Tree covered area (m <sup>2</sup> ):170.00		
		<ul> <li>Area covered by shrubs and bushes (m<sup>2</sup>):</li> </ul>		
		<ul> <li>Lawn covered area (m<sup>2</sup>):500.00</li> </ul>		
		• Total Green Area (m <sup>2</sup> ):670.0		
		<ul> <li>Green Area % of plot area:10%</li> </ul>		
		<ul> <li>No. of trees and species to be planted:125</li> </ul>		
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 Guajrat 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 Guajrat 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.

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## 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.	