OVERHEAD WATER TANK CAPACITY CALCULATION

BUILDING NUMBER	WATER REQUIRED (LITRE)	COLD WATER REQUIREMENT		
		TANK SIZE (METRE)	NUMBER OF TANK	CAPACITY (LITRE)
1,2&3	162500	4.47 X 2.940 X 1.50	6	118276
4,6 & 7		5.050 X 3.390 X 1.50	6	154076
5		5.050 X 3.0 X 1.50	6	136350
TOTAL O.H. TANK CAPACITY BUILDING-1,2,3,4,5,6 &7			16%	408702

WATER STORAGE TANK CALCULATION

BUILDING NUMBER	TOTAL NUMBER OF UNITS	ADDITIONAL TOILET	POPULATION	WATER REQUIREMENT (IN LITRE)		UNDER GROUND WATER TANK PROVIDED	
				ADDL. TOILET (180 LITRE)	POPULATION (135 LITRE)	TOTAL	TANK NUMBER	SIZE /DIMENSION	CAPACITY (LITRE)
1,2,3,4,5,6 & 7	268	268	1340	48240	253260	301500	1	13.00 X 10.00 X 2.50	325000

SEPTIC TANK REQUIREMENT

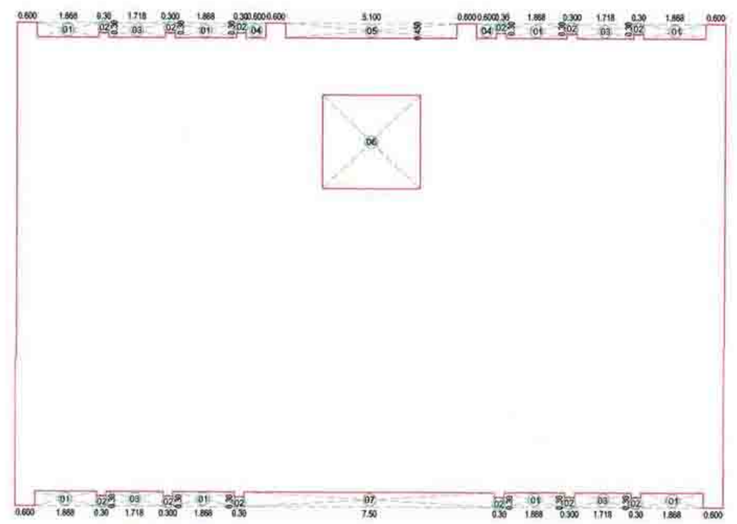
BUILDING NUMBER	NUMBER OF TENEMENT	POPULATION	WATER REQUIREMENT					% FLOW TO SEWER		TOTAL FLOW	TOTAL PROVIDED SEPTIC TANK CAPACITY
			FLUSHING		DOMESTIC		TOTAL	FLUSHING 100%	DOMESTIC 85%		
			LPCD	LPD	LPCD	LPD	LPD	LPD	LPD	LPD	
1,2,6 &7	160	800	54	43200	135	108000	151200	43200	91800.00	135000.00	9.00 X 8.00 X 2.50
	ADD.	160	54	8640	126	20160	28800	8640	17136.00	25776.00	
	TOTAL		–	51840	–	128160	180000	51840	108936.00	160776.00	180000

SEPTIC TANK REQUIREMENT

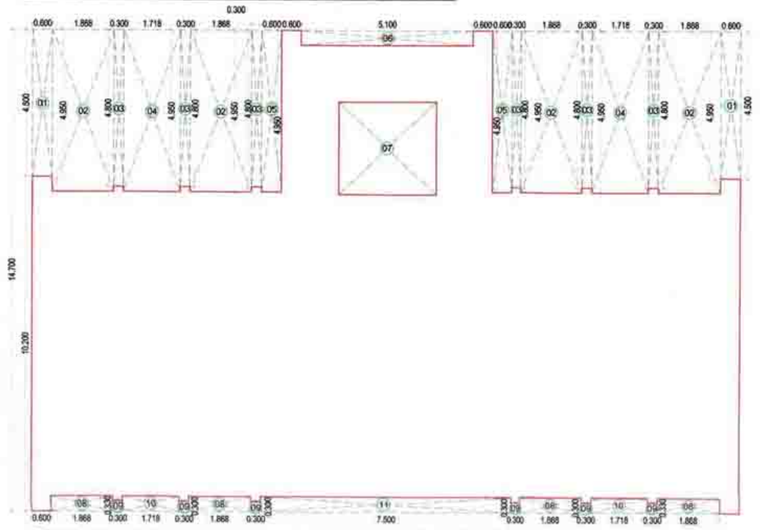
BUILDING NUMBER	NUMBER OF TENEMENT	POPULATION	WATER REQUIREMENT					% FLOW TO SEWER		TOTAL FLOW	TOTAL PROVIDED SEPTIC TANK CAPACITY
			FLUSHING		DOMESTIC		TOTAL	FLUSHING 100%	DOMESTIC 85%		
			LPCD	LPD	LPCD	LPD	LPD	LPD	LPD	LPD	
3,4 & 5	108	540	54	29160	135	72900	102060	29160	61965.00	91125.00	6.50 X 7.00 X 2.50
	ADD.	108	54	5832	126	13608	19440	5832	11566.80	17398.80	
	TOTAL		–	34992	–	86508	121500	34992	73531.80	108523.80	140000

PLOT AREA CALCULATION

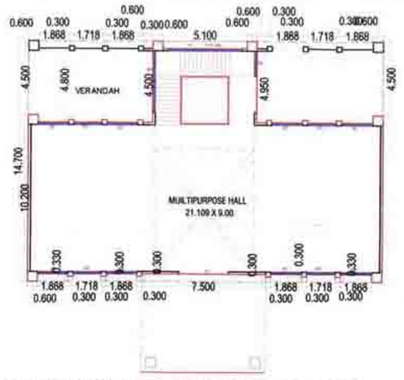
1	22.237	X	7.653	X	0.5	=	85.090
2	64.414	X	8.600	X	0.5	=	276.980
3	44.741	X	15.838	X	0.5	=	354.304
4	64.414	X	33.210	X	0.5	=	1070.239
5	32.708	X	25.075	X	0.5	=	410.077
6	32.708	X	17.053	X	0.5	=	278.885
7	27.404	X	6.354	X	0.5	=	87.063
8	64.857	X	19.769	X	0.5	=	641.079
9	75.853	X	16.443	X	0.5	=	623.625
10	84.878	X	12.698	X	0.5	=	538.890
11	16.222	X	2.891	X	0.5	=	23.449
12	93.350	X	16.933	X	0.5	=	790.348
13	19.757	X	2.712	X	0.5	=	26.790
14	105.836	X	5.038	X	0.5	=	266.601
15	125.590	X	60.425	X	0.5	=	1794.388
16	71.755	X	13.283	X	0.5	=	476.561
17	24.176	X	4.770	X	0.5	=	57.660
18	67.234	X	21.974	X	0.5	=	738.700
19	61.232	X	3.993	X	0.5	=	122.250
20	51.957	X	18.098	X	0.5	=	470.159
21	23.201	X	3.604	X	0.5	=	41.808
22	125.590	X	14.106	X	0.5	=	885.786
23	126.183	X	10.588	X	0.5	=	668.013
24	129.620	X	13.032	X	0.5	=	844.604
25	129.618	X	37.212	X	0.5	=	2411.673
26	40.773	X	10.430	X	0.5	=	212.631
27	118.923	X	7.464	X	0.5	=	443.821
28	110.375	X	1.240	X	0.5	=	68.433
29	109.884	X	10.917	X	0.5	=	599.802
30	110.375	X	33.725	X	0.5	=	1861.198
31	35.176	X	6.082	X	0.5	=	106.970
32	105.888	X	9.985	X	0.5	=	528.646
33	95.340	X	26.416	X	0.5	=	1259.251
34	33.253	X	4.632	X	0.5	=	77.014
35	79.649	X	10.116	X	0.5	=	402.865
36	38.337	X	7.136	X	0.5	=	136.786
37	43.854	X	17.094	X	0.5	=	374.820
38	32.908	X	2.557	X	0.5	=	42.073
A) TOTAL AREA						=	22099.33



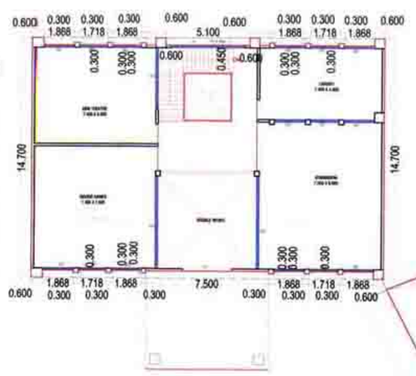
1ST FLOOR BUILT UP AREA CALCULATION



GROUND FLOOR BUILT UP AREA CALCULATION



CLUB HOUSE GROUND FLOOR
SCALE 1:200



CLUB HOUSE 1ST FLOOR
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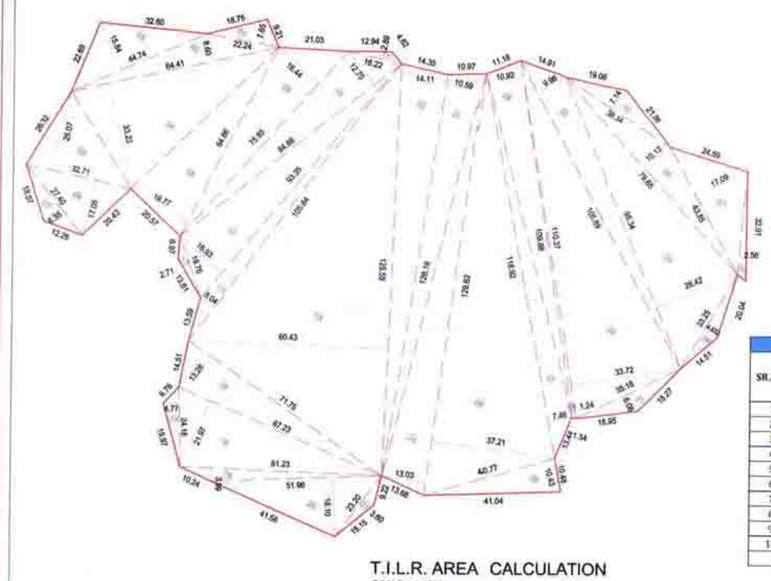
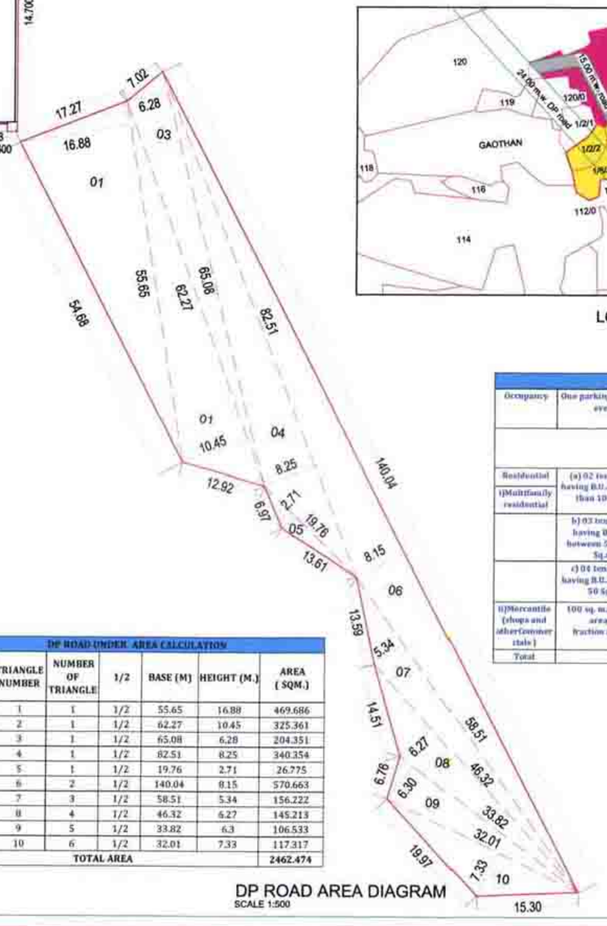


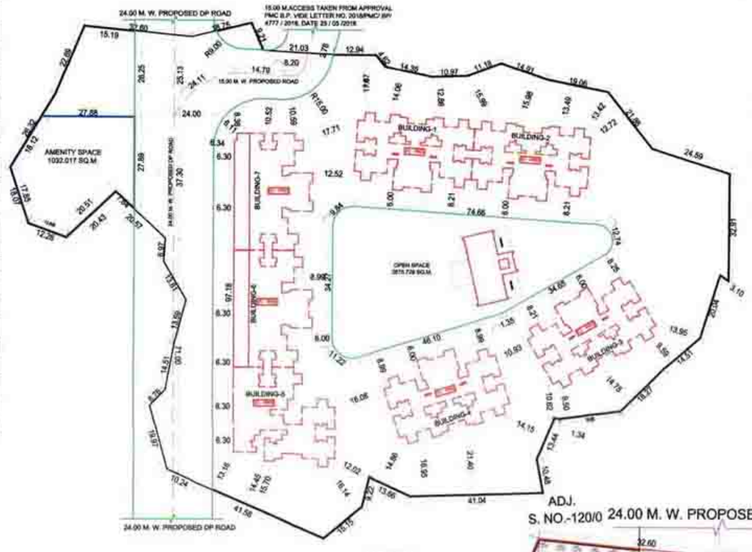
T.I.L.R. AREA CALCULATION
SCALE = 1:1000

DP ROAD UNDER AREA CALCULATION

SR.NO.	TRIANGLE NUMBER	NUMBER OF TRIANGLE	1/2	BASE (M)	HEIGHT (M.)	AREA (SQM.)
1	1	1	1/2	55.65	16.88	469.686
2	2	1	1/2	62.27	10.45	325.361
3	3	1	1/2	65.08	6.28	204.351
4	4	1	1/2	82.51	8.25	340.354
5	5	1	1/2	19.76	2.71	26.735
6	6	2	1/2	140.04	8.15	570.663
7	7	3	1/2	58.51	5.34	156.222
8	8	4	1/2	46.32	6.27	145.213
9	9	5	1/2	33.82	6.3	106.533
10	10	6	1/2	32.01	7.33	117.317
TOTAL AREA						2462.474

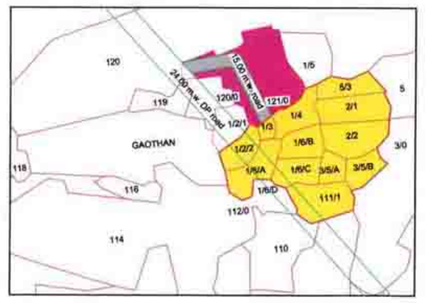


DP ROAD AREA DIAGRAM
SCALE 1:500



SITE PLAN
SCALE 1:1000
NORTH

SITR U/D REFERENCE



LOCATION PLAN
SCALE = NTS
NORTH

Car Parking Requirement

Occupancy	One parking space for every	No of Tenements	Non congested required			Required parking			Total proposed parking		
			CAR	SCOOTER	CYCLE	CAR	SCOOTER	CYCLE	CAR	SCOOTER	CYCLE
			12.5	2	0.7	12.5	2	0.7	12.5	2	0.7
			Sq.m	Sq.m	Sq.m	Sq.m	Sq.m	Sq.m	Sq.m	Sq.m	Sq.m
			2.5x5	1x2	0.5x1.4	2.5x5	1x2	0.5x1.4	2.5x5	1x2	0.5x1.4
Residential	(a) 02 tenements having B.U.Area once then 100 sq.m	–	2	2	2	0	0	0			
1)Multifamily residential	b) 03 tenements having B.U.Area between 50 to 100 Sq.m	156	1	6	4	45	181	101			
	c) 04 tenements having B.U.Area up to 50 Sq.m	132	0	0	3	0	165	165			
2)Shop cum office (shops and other Commercial units)	100 sq. m. built up area or fraction thereof	333.35 SQ.MT	1	3	3	5	10	10			
Total		268				50	356	356	53	415	415

7/12 AREA

S.NO.	AREA IN SQM.
1/3	400
1/2/2	1500
1/6/A	2560
1/6/B	1650
1/6/C	1630
1/4	1900
2/1	2580
3/2	2730
3/5/A	1110
3/5/B	1310
5/3	1650
111/1	2820
TOTAL PLOT AREA AS PER 7/12	21840

TERRACE AREA STATEMENT (BUILDING 1, 2 & 3)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE TERRACE AREA	PROPOSED TERRACE AREA
1 , 2& 3	GROUND FLOOR	67.775	0.000	0.000
	1ST FLOOR	410.913	82.183	51.129
	2nd FLOOR	410.913	82.183	51.354
	3rd FLOOR	410.913	82.183	51.129
	4th FLOOR	410.913	82.183	51.354
	5th FLOOR	410.913	82.183	51.129
	6th FLOOR	410.913	82.183	51.354
TOTAL		2533.253	493.096	307.449
GRAND TOTAL		7599.759	1479.287	922.347

TERRACE AREA STATEMENT (BUILDING 4)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE	PROPOSED
4	GROUND FLOOR	71.517	0.000	0.000
	1ST FLOOR	419.186	83.837	51.129
	2nd FLOOR	419.186	83.837	51.354
	3rd FLOOR	419.186	83.837	51.129
	4th FLOOR	419.186	83.837	51.354
TOTAL		1750.261	335.349	204.966

TERRACE AREA STATEMENT (BUILDING 5)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE	PROPOSED
5	GROUND FLOOR	178.844	0.000	0.000
	1ST FLOOR	380.572	76.114	31.003
	2nd FLOOR	380.572	76.114	45.729
	3rd FLOOR	380.572	76.114	47.479
	4th FLOOR	380.572	76.114	45.729
TOTAL		1701.132	304.458	169.940

TERRACE AREA STATEMENT (BUILDING 6)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE	PROPOSED
6	GROUND FLOOR	260.534	0.000	0.000
	1ST FLOOR	419.186	83.837	25.865
	2nd FLOOR	419.186	83.837	51.354
	3rd FLOOR	419.186	83.837	51.129
	4th FLOOR	419.186	83.837	51.354
TOTAL		1937.278	335.349	179.702

TERRACE AREA STATEMENT (BUILDING 7)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE	PROPOSED
7	GROUND FLOOR	258.715	0.000	0.000
	1ST FLOOR	419.186	83.837	25.865
	2nd FLOOR	419.186	83.837	51.354
	3rd FLOOR	419.186	83.837	51.129
	4th FLOOR	419.186	83.837	51.354
TOTAL		1935.459	335.349	179.702

BALCONY AREA STATEMENT (BUILDING 1, 2 & 3)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE BALCONY AREA	PROPOSED BALCONY AREA			
				TOTAL	ENCLOSED	OPEN	EXCESS
1 , 2 & 3	GROUND FLOOR	67.775	0.000	0.000	0.000	0.000	0.000
	1ST FLOOR	410.913	61.637	0.000	59.956	0.000	0.000
	2nd FLOOR	410.913	61.637	0.000	59.956	0.000	0.000
	3rd FLOOR	410.913	61.637	0.000	59.956	0.000	0.000
	4th FLOOR	410.913	61.637	0.000	59.956	0.000	0.000
	5th FLOOR	410.913	61.637	0.000	59.956	0.000	0.000
	6th FLOOR	410.913	61.637	0.000	59.956	0.000	0.000
TOTAL		2533.253	369.822	0.000	359.736	0.000	0.000
GRAND TOTAL		7599.759	1109.465	0.000	1079.208	0.000	0.000

BALCONY AREA STATEMENT (BUILDING 4)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE BALCONY AREA	PROPOSED BALCONY AREA			
				TOTAL	ENCLOSED	OPEN	EXCESS
4	GROUND FLOOR	71.517	0.000	0.000	0.000	0.000	0.000
	1ST FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	2nd FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	3rd FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	4th FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
TOTAL		1750.261	251.512	0.000	239.824	0.000	0.000

BALCONY AREA STATEMENT (BUILDING 5)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE BALCONY AREA	PROPOSED BALCONY AREA			
				TOTAL	ENCLOSED	OPEN	EXCESS
5	GROUND FLOOR	178.844	0.000	0.000	0.000	0.000	0.000
	1ST FLOOR	380.572	57.086	0.000	55.823	0.000	0.000
	2nd FLOOR	380.572	57.086	0.000	55.823	0.000	0.000
	3rd FLOOR	380.572	57.086	0.000	55.823	0.000	0.000
	4th FLOOR	380.572	57.086	0.000	55.823	0.000	0.000
TOTAL		1701.132	228.343	0.000	223.300	0.000	0.000

BALCONY AREA STATEMENT (BUILDING 6)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE BALCONY AREA	PROPOSED BALCONY AREA			
				TOTAL	ENCLOSED	OPEN	EXCESS
6	GROUND FLOOR	260.534	0.000	0.000	0.000	0.000	0.000
	1ST FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	2nd FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	3rd FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	4th FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
TOTAL		1937.278	251.512	0.000	239.824	0.000	0.000

BALCONY AREA STATEMENT (BUILDING 7)

BUILDING NUMBER	FLOOR	BUILT UP AREA	PERMISSIBLE BALCONY AREA	PROPOSED BALCONY AREA			
				TOTAL	ENCLOSED	OPEN	EXCESS
7	GROUND FLOOR	258.715	0.000	0.000	0.000	0.000	0.000
	1ST FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	2nd FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	3rd FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
	4th FLOOR	419.186	62.878	0.000	59.956	0.000	0.000
TOTAL		1935.459	290.315	0.000	239.824	0.000	0.000

PROFORMA-I

	AREA STATEMENT		Area in Sq.M.
1	Area of Plot as per 7/12 extract		21840.00
2	Area of Plot as per measurement plan(As per trangulation of TILR at true scale)		22099.330
3	Area of plot, considered (least of (1) ,(2) above)		21840.000
4	DEDUCTION FOR		
	a.	Existing road acquisition area	0
	b.	AREA UNDER DP ROAD (24 m.)	2462.474
	C.	GROWTH CENTRE (202.GC) reservation	0
	d.	Total (A+B+C)	2462.474
5	Gross area of the Plot (1-2)		19377.526
6	AMENITY space required 5 %		1092.00
7	AMENITY space Provided		1092.050
8	Recreational open space required 10 %		2184.00
9	Recreational open space Provided		2615.795
10	Net.area of plot (6-7)		18285.476
11	Permissible FSI		1.00
12	Permissible Built up Area = ((11) X (12))		18285.476
13	Proposed Built Up Area		14923.889
14	Balance Built Up Area ((13) - (14))		3361.587
15	FSI Consumed ((11) - (14))		0.816
16	FSI Balanced (12-16)		0.184
17	Number of units Proposed		306
	a. Residential		268
	b. Commercial		38
18	Trees to be planted		
	(18A) Trees to be planted against plot area ((6-9) ÷ 100)		192
	(18B)Trees to be planted against open space ((9) ÷ 100)x5)		131
	(18C)Required Number of trees to be planted ((18A) + (18B))		323
	(18D)Number of trees planted		313
19	Balconies Area Statement		**
20	Parking Statement		**

BUILT UP AREA STATEMENT

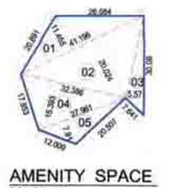
BUILDING	BUILDING-1,2 & 3	BUILDING-4	BUILDING-5	BUILDING-6	BUILDING- 7
FLOOR	IN SQM.	IN SQM.	IN SQM.	IN SQM.	IN SQM.
GROUND	67.775	73.517	178.844	260.534	258.715
1ST FLOOR	410.913	419.186	380.572	419.186	419.186
2nd FLOOR	410.913	419.186	380.572	419.186	419.186
3rd FLOOR	410.913	419.186	380.572	419.186	419.186
4th FLOOR	410.913	419.186	380.572	419.186	419.186
5th FLOOR	410.913	0.000	0.000	0.000	0.000
6th FLOOR	410.913	0.000	0.000	0.000	0.000
BUILT UP AREA	2533.253	1750.261	1701.132	1937.278	1935.459
NUMBER OF	3	1	1	1	1
TOTAL BUILT UP	7599.759	1750.261	1701.132	1937.278	1935.459
TOTAL BUILT UP AREA(BLDG-1,2,3,4,5,6 & 7)			14923.889		

OPEN SPACE AREA CALCULATION

SR.NO.	TRIANGLE NUMBER	NUMBER OF TRIANGLE	1/2	BASE (SQM)	HEIGHT (SQM.)	AREA (SQM.)
1	1	1	AS PER POLYLINE			11.577
2	1	1	1/2	59.840	8.190	241.77
3	1	1	1/2	58.170	30.530	887.97
4	1	1	1/2	52.410	6.830	178.98
5	1	1	AS PER POLYLINE			16.45
6	1	1	AS PER POLYLINE			30.368
7	1	1	1/2	74.660	28.540	1065.40
8	1	1	1/2	38.550	8.220	158.44
9	1	1	AS PER POLYLINE			24.843
TOTAL AREA						2615.795

AMENITY AREA CALCULATION

SR.NO.	TRIANGLE NUMBER	NUMBER OF TRIANGLE	1/2	BASE (SQM)	HEIGHT (SQM.)	AREA (SQM.)
1	1	1	1/2	41.196	11.455	235.95
2	1	1	1/2	41.196	20.024	412.45
3	1	1	1/2	30.090	5.570	83.80
4	1	1	1/2	32.386	15.393	249.26
5	1	1	1/2	27.961	7.910	110.59
TOTAL AREA						1092.050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