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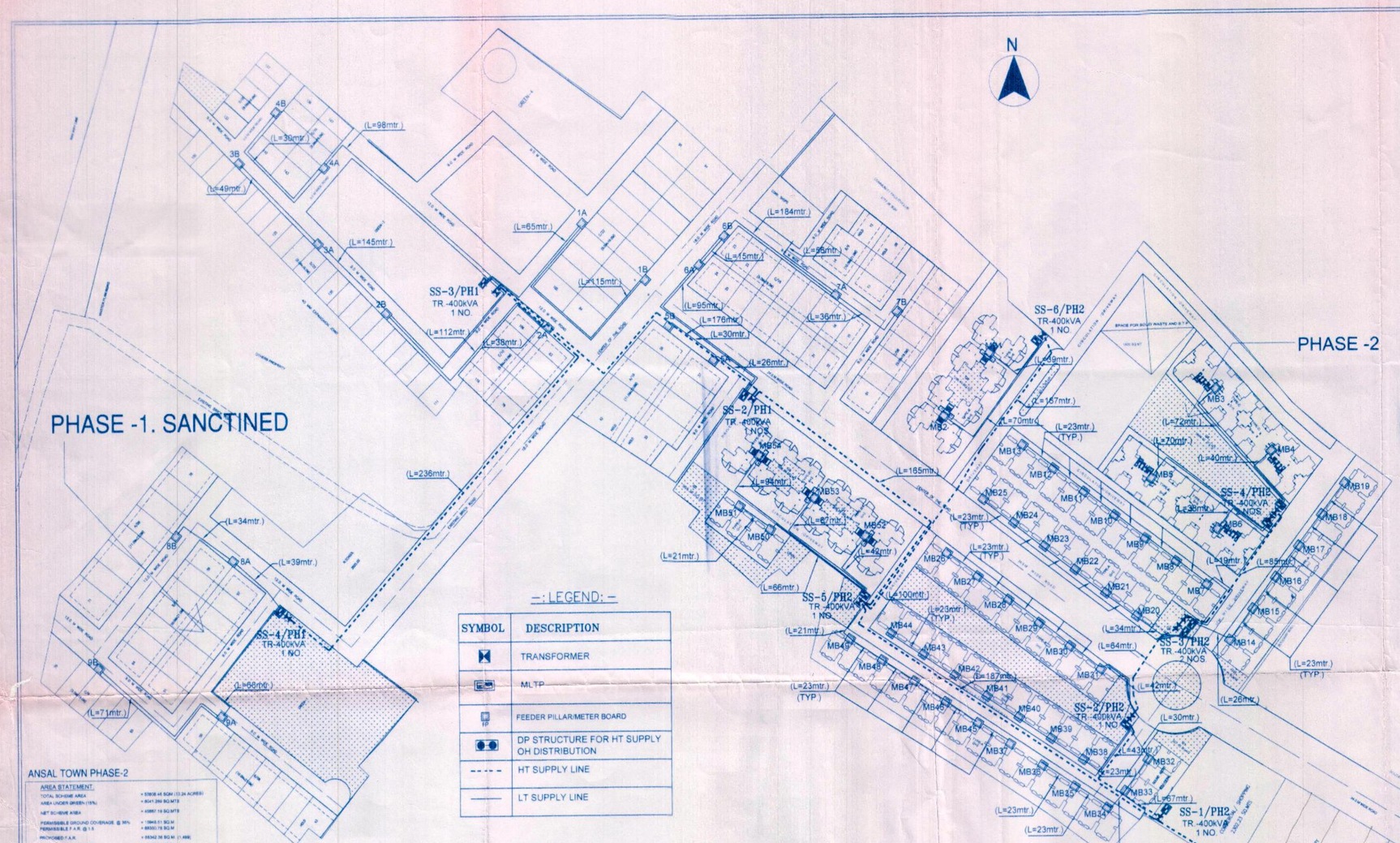


-: LEGEND: -

SYMBOL	DESCRIPTION
	TRANSFORMER
	MLTP
FP	FEEDER PILLAR/METER BOARD
	DP STRUCTURE FOR HT SUPPLY OH DISTRIBUTION
- - - -	HT SUPPLY LINE
——	LT SUPPLY LINE

ANSAL TOWN PHASE-2

AREA STATEMENT

TOTAL SCHEME AREA	= 53808.45 SQM (13.24 ACRES)
AREA UNDER GREEN (15%)	= 8041.268 SQ.MTS
NET SCHEME AREA	= 45767.18 SQ.MTS
PERMISSIBLE GROUND COVERAGE @ 35%	= 15948.51 SQ.M
PERMISSIBLE F.A.R. @ 1.5	= 68500.78 SQ.M
PROPOSED F.A.R.	= 68342.38 SQ.M. (1.499)
PROPOSED G. COVERAGE	= 15829.31 SQ.M
	= 34.7 %
PERMISSIBLE DU/A @ 90 DUS PER HEC	= 984 NOS.
PROPOSED DUS	= 827 NOS

PROPOSED AREAS

CATEGORY	NO. OF PLOTS	NO. OF BLOCKS/DUS	AREA (SR. DOV.)	AREA (F.A.R)
TYPE-A (1 BED) (3 storied) UNIT AREA - 127.16 SQ.MTS	44.5 (SHD)	84 SHDU+28R	(314.36 x 44.5) 1398.36 SQ.M	(842.30x44.5) 38609.05 SQ.M
TYPE-B (3 bed) (multi storied) UNIT AREA - 134.1 SQ.MTS	2 BLOCK (S+6)	72	(520x2) 1040.00 SQ.M	(4967.99x2) 9935.98 SQ.M
TYPE-B1 (3 bed) UNIT AREA - 134.1 SQ.MTS	3 BLOCK (S+7)	36	(520x3) 1560.00 SQ.M	(1655.99x3) 4967.98 SQ.M
TYPE-C (2 bed) (multi storied) UNIT AREA - 91.18 SQ.MTS	4 (S+8)	80 X (4+2S)	(588.74 x4) 2354.96 SQ.M	(5528.87x4) 22118.48 SQ.M
COMMERCIAL			1300 SQ.M	2440.00 SQ.M
DUS			155 SQ.M	155.00 SQ.M
TOTAL	827		18644.91 SQ.M 34.65 %	68342.38 SQ.M. 1.499

F.A.R ACHIEVED = 1.499

TOTAL PLOT AREA	= 53808.45 SQM (13.24 ACRES)
AREA UNDER GREEN (15%)	= 8041.268 SQ.MTS
NET SCHEME AREA	= 45767.18 SQ.MTS
TOTAL NO. OF DUS	=827 UNITS
PROPOSED DENSITY @ 5 PERSON DUS	=2135 NOS.
GREEN ARE REQD @ 1 SQM/ PERSON	= 2135 SQ.MT
PROPOSED ORGANISED GREEN AREA	= 11272.01 SQ.MT

GREEN AREA CALCULATIONS

G1	= 267.49 SQ.MT
G2	= 2871.15 SQ.MT
G3	= 965.38 SQ.MT
G3A	= 267.08 SQ.MT
G4	= 208.29 SQ.MT
G5	= 203.20 SQ.MT
G6	= 288.44 SQ.MT
G7	= 105.78 SQ.MT
G8	= 1099.83 SQ.MT
G9	= 294.14 SQ.MT
G10	= 127.11 SQ.MT
TOTAL	= 11272.01 SQ.MTS
AREA UNDER GREEN (15%)	= 8041.268 SQ.MTS
ADDITIONAL GREEN	= 11272.01 - 8041.268= 3230.74 SQ.MTS
PROPOSED ORGANISED GREEN AREA (GREEN + ADDITIONAL GREEN)	= 8041.268 SQ.MTS(15%) +3230.74 SQ.MT 11272.01 (20.97%)

ANSAL TOWN PHASE-1

AREA CHART:-

TOTAL LAND AREA	= 80850.00 SqM (19.97ACRES) (8.08 HAC.)
PROPOSED AREA UNDER :-	
• RESIDENTIAL PLOTTED	= 30920.32 SQ.M. (38.24 %)
• ROADS	= 30733.19 SQ.M. (38.01%)
• COMMERCIAL SITE =2422.13 SQ.M. CONV. SHOP =615.87 SQ.M.	= 4042.00 SQ.M (5.00%) (0.38 HAC.)
• PARK AND GREEN	= 12149.49 SQ.M. (15.02%)
• NURSERY SCHOOL	= 3005.00 SQ.M. (3.71%)

SCHEDULE OF PLOTS :-

TYPE	DETAIL OF PLOT (WXH)	AREA SQ.M	NOS.	TOTAL AREA SQ.M	FRONT SET BACK(M)	REAR SET BACK(M)	SIDE SET BACK(M)	PERM. D/U
A	11.00X23.00 X NURSERY SCHOOL	253.00	18	4554.00	3.0	3.0 X 3.0 X 3.0	2	3
B	10.00X21.00	210.00	36	7560.00	3.0	3.0		
C	9.00X18.00	171.00	66	11286.00	3.0	3.0		3
D	8.00X16.00	128.00	37	4736.00	2.0	2.0		2
			157	28136.00				

ADDITIONAL EXTRA AREA FOR CORNER PLOTS 30920.32-28136.00 = 2784.32 SQ.M.
TOTAL AREA UNDER PLOTS = 30920.32 SQ.M. (38.24 %)

DENSITY CALCULATION

PERMISSIBLE DENSITY = 450 PPH.

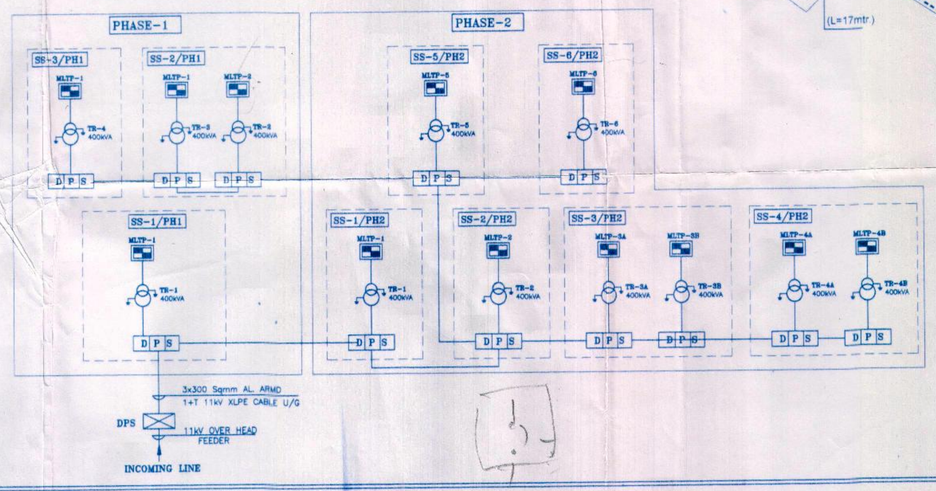
PROPOSED DENSITY	TYPE	NOS.	NOS.	TOTAL D/U
	A	18	3	54
	B	36	3	108
	C	66	3	198
	D	37	2	74
			TOTAL	434

POPULATION @ 5 PERSON/DU=2170
PROPOSED DENSITY =269 PPH
PERMISSIBLE GREEN @ 15% =12127.50 SQ.M.

POPULATION @ 5 PERSON/DU=2170
PROPOSED DENSITY =268 PPH

DETAIL OF GREEN

1.	3616.00 SQ.M.
2.	473.66 SQ.M.
3	4080.08 SQ.M.
4	3516.75 SQ.M.
5.	453.00 SQ.M.
	12149.49 SQ.M.



LT CABLE SCHEDULE PHASE-1

S.NO.	From	To	Size 3.5 Core	QTY
TR-1	MLTP-1- COMM	COMM BLDG	300	32
TR-2	MLTP-2	FP-5A	95	98
	FP-5A	FP-5B	25	30
	MLTP-3	FP-6A	120	125
	FP-6A	FP-6B	35	20
	MLTP-3	FP-7A	240	196
	FP-7A	CON SHOP	95	56
	FP-7A	FP-7B	35	38
	MLTP-3	Common Ser	120	32
	TR-2	MLTP-2	300	32
TR-3	MLTP-3	FP-1A	120	63
	FP-1A	FP-1B	50	102
	MLTP-2	FP-2A	95	36
	FP-2A	FP-2B	16	100
	MLTP-2	FP-3A	50	127
	FP-3A	FP-3B	16	49
	MLTP-2	FP-4A	50	98
	FP-4A	FP-4B	16	70
	TR-3	MLTP-3	300	32
TR-4	MLTP-4	FP-8A	185	39
	FP-8A	FP-8B	70	34
	MLTP-4	FP-9A	95	66
	FP-9A	FP-9B	16	71
	TR-4	MLTP-4	300	32

LT CABLE SCHEDULE PHASE-2

S.NO.	From	To	Size 3.5 Core	QTY
SS-1	MLTP-1- COMM	COMM BLDG	300	32
SS-2	MLTP-2	MB-31	120	42
	MB-31	MB-30	120	23
	MB-30	MB-29	95	23
	MB-29	MB-28	50	23
	MB-28	MB-27	25	23
	MB-27	MB-26	10	23
	MLTP-2	MB-32	95	30
	MB-32	MB-33	70	23
	MB-33	MB-34	50	17
	MB-34	MB-35	25	23
	MB-35	MB-36	10	23
	MLTP-2	MB-38	150	43
	MB-38	MB-39	120	23
	MB-39	MB-40	120	23
	MB-40	MB-41	95	23
	MB-41	MB-42	50	23
	MB-42	MB-43	25	23
	MB-43	MB-44	10	23
	TR-2	MLTP-2	300	32
SS-3	MLTP-3A	MB-7	150	19
	MB-7	MB-8	120	23
	MB-8	MB-9	120	23
	MB-9	MB-10	95	23
	MB-10	MB-11	50	23
	MB-11	MB-12	25	23
	MB-12	MB-13	10	23
	MLTP-3A	MB-20	120	34
	MB-20	MB-21	120	23
	MB-21	MB-22	95	23
	MB-22	MB-23	50	23
	MB-23	MB-24	25	23
	MB-24	MB-25	10	23
	TR-3A	MLTP-3A	300	32
	MLTP-3B	MB-14	120	26
	MB-14	MB-15	120	23
	MB-15	MB-16	95	23
	MB-16	MB-17	50	23
	MB-17	MB-18	25	23
	MB-18	MB-19	10	23
	TR-3B	MLTP-3B	300	32
SS-4	MLTP-4A	MB-3	185	72
	MLTP-4A	MB-4	185	40
	TR-4A	MLTP-4A	300	32
	MLTP-4B	MB-5	185	70
	MLTP-4B	MB-6	185	38
	TR-4B	MLTP-4B	300	32
SS-5	MLTP-5	MB-52	35	42
	MLTP-5	MB-53	35	67
	MLTP-5	MB-54	35	94
	MLTP-5	MB-50	25	66
	MB-50	MB-51	10	21
	MLTP-5	MB-49	300	21
	MB-49	MB-48	120	23
	MB-48	MB-47	95	23
	MB-47	MB-46	50	23
	MB-46	MB-45	25	23
	MB-45	MB-37	10	23
	TR-5	MLTP-5	300	32
SS-6	MLTP-6	MB-1	150	38
	MLTP-6	MB-2	150	70
	TR-6	MLTP-6	300	32

ELECTRICAL LOAD CALCULATION
PROJECT – RESIDENTIAL COLONY

S.NO.	DESCRIPTION	WIDTH OF PLOTS	LENGTH OF PLOTS	UNIT AREA OF PLOTS M^2	AREA PER PLOTS	NOS OF PLOTS	TOTAL AREA OF PLOTS M^2	TOTAL AREA OF PLOTS M^2	COVERD AREA M^2	REMARK
RESIDENTIAL PLOTS (167 PLOTS)										
1	A- TYPE	11.00	23.00	253.00		18	4554.00	45540.00	22770.00	
2	B- TYPE	10.00	21.00	210.00		36	7560.00	75600.00	37800.00	
3	C- TYPE	9.00	19.00	171.00		66	11286.00	112860.00	56430.00	
4	C- TYPE	8.00	16.00	128.00		37	4736.00	47360.00	23680.00	
	Total	38				157			140680.00	
Electrical Load for residential plots @ 500W per 100 Sq feet & 50% Diversity									351.70 KW	- I
RESIDENTIAL PLATS (627 PLATS)										
1	A- TYPE			97.95		267	26152.65	261526.50		
2	B- TYPE			124.10		72	8935.20	89352.00		
3	B-1- TYPE			124.10		36	4467.60	44676.00		
4	C- TYPE			88.18		252	22203.36	222033.60		
	Total					627		537588.10		
Electrical Load for residential plots @ 500W per 100 Sq feet & 50% Diversity									1494.02 KW	- II
COMMERCIAL PLOTS										
1	COMMERCIAL-1	1		3422.13		1	3422.13	34221.30	17110.65	
2	COMMERCIAL-2	1		1208		1	1208.00	12080.00	6040.00	
3	CONV. SHOP	1		619.87		1	619.87	6198.70	3099.35	
4	CLUB	1		410		1	410.00	4100.00	1050.00	
	Total								27300.00	
Electrical Load for commercial plots @ 1.5KW per 100 Sq feet & 75% Diversity									307.13 KW	- III
COMMON SERVICES & MISC.										
Nursery School	LS								2.00	
street lighting	LS								5.00	
Lift	8					Nos @	4.5	KW Each	36.00	
Tubewell	1					Nos @	5	KW Each	3.00	
Water Supply Pump	1					Nos @	5	KW Each	3.00	
Total									49.00 KW	- IV
Total Load of Complex (I+II+III+IV)									2201.85 KW	
Size of Transformer at	0.9					Power Factor			2446.49 KVA	
SAY						12 Nos			400 KVA	
TOTAL SIZE OF TRANSFORMER PROPOSED									4800 KVA	

ड्राइंग का अनुमोदन नियुक्त अधिष्ठापन को सत्यापित करने की अनुमति नहीं है। उक्त विभव अधिष्ठापन का निरीक्षण उप निदेशक विद्युत सुरक्षा उत्तर प्रदेश शासन ...मेरठ... ...मेरठ... से कराकर उनसे विधिवत अनुमति प्राप्त करने के बाद ही संचालित करें।

अनुमोदित
निदेशक
(विद्युत सुरक्षा)
उत्तर प्रदेश शासन, लखनऊ

S.N.	DATE	DESCRIPTIONN
0	23-02-10	G.F.C.

REVISION

PROJECT
PROPOSED RESIDENTIAL COLONY,
(VILLAGE JATAULI, ROSHAN PUR DORLI)
ANSAL TOWN AT MEERUT.

TITLE
SITE PLAN
EXTERNAL ELECTRIFICATION LAYOUT
(HT/LT SYSTEM & SINGLE LINE DIAGRAM)

DRAWN BY. J.SINGH	DATE 02-02-10
CHECKED BY. A.K.PANDEY	SCALE 1 : 1250
DRG. NO. SERV/1052/MEERUT-AT/EXT.-EL-02	
DESIGN MANAGER ELEC. (SERVICES) A.K.PANDEY	A.V.P. (SERVICES) For Ansal Housing & Construction Ltd. COL. P.K.SINGHAL

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Authorised Signatory