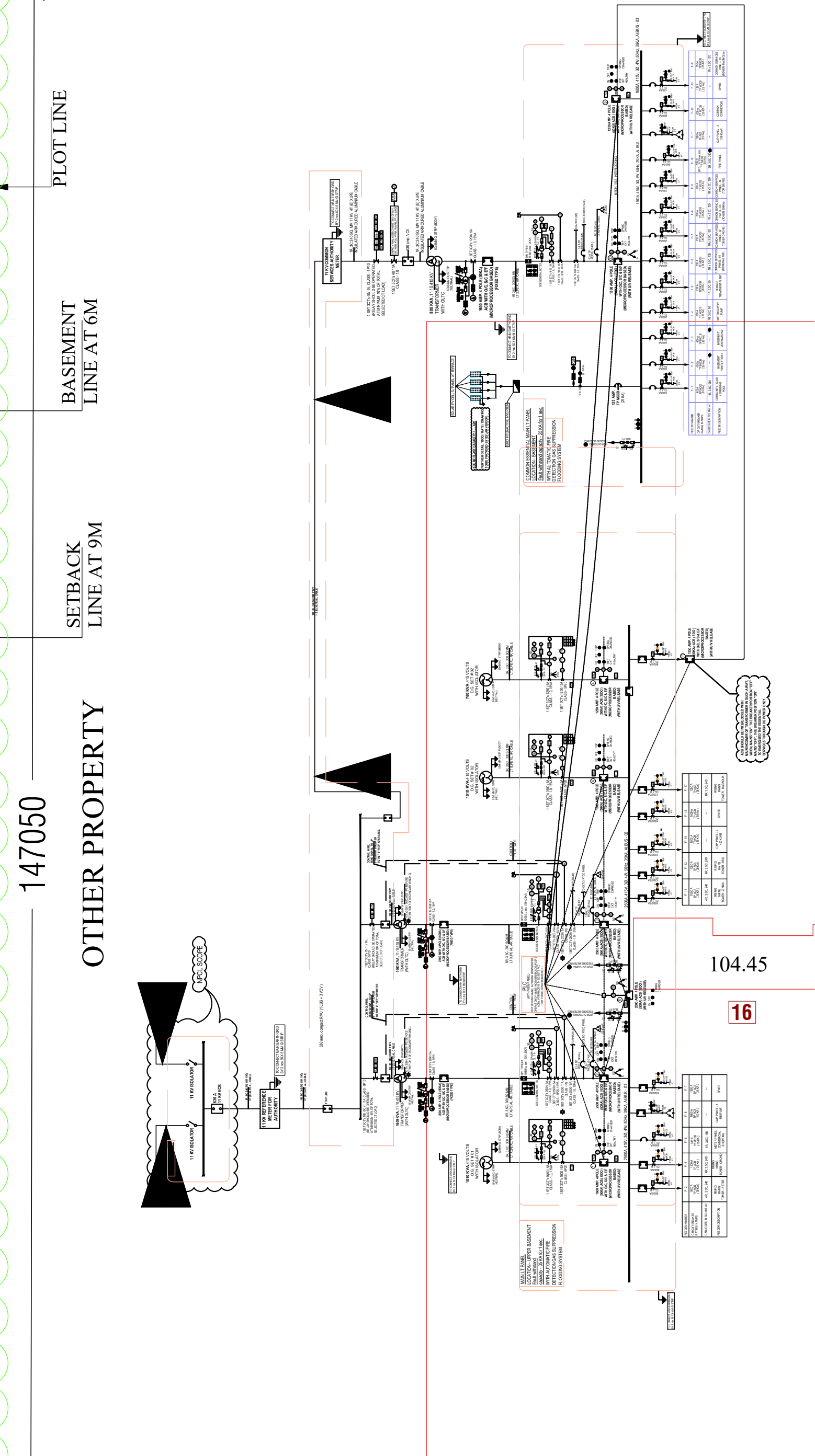
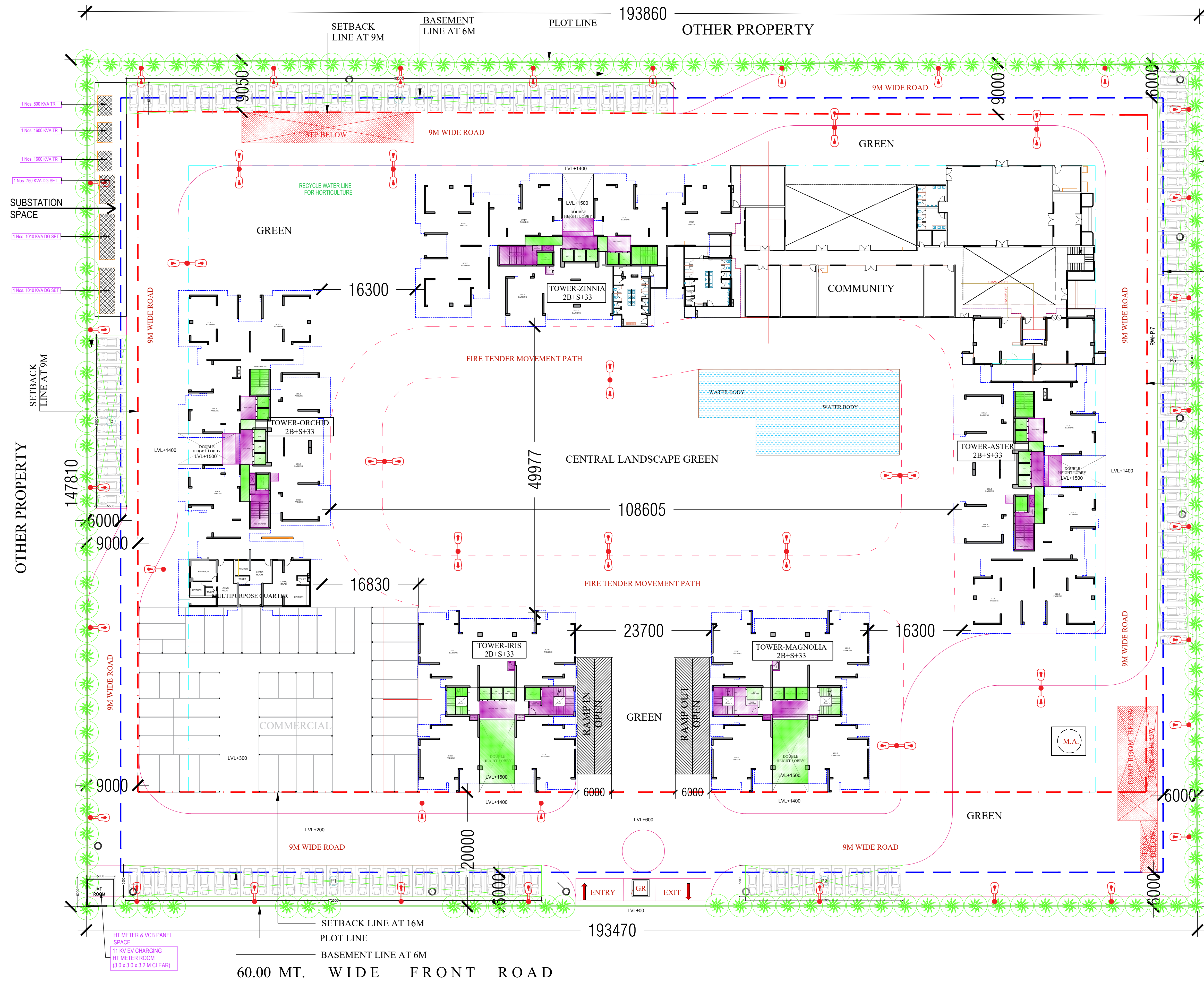




ELECTRICAL LOAD DETAILS OF PROPOSED GROUP HOUSING PROJECT SKA ESTATE AT PLOT NO. , GH-01A, SECTOR- ETA-II, GREATER NOIDA (UP)
GH-01B(0), SECTOR-ETA-II GREATER NOIDA (UP)

S. No	Description	per Unit Area	Load/Sqm (W)	Load/Unit(KW)	Floors	Units/floor	ht/Tower	Total Load	Unit
A Power Consumption for Units									
1	IRIS	531.57	50	26.58	33	4	132	877.08	KW
2	MAGNOLIA	531.57	50	26.58	33	4	132	877.08	KW
3	ORCHID	832.60	50	41.63	33	8	264	1373.78	KW
4	ASTER	832.60	50	41.63	33	8	264	1373.78	KW
5	ZINNA	832.60	50	41.63	33	8	264	1373.78	KW
	Total						1059	5875.52	KW
B Power Consumption for Service/Common Areas									
15	Elevator			20.00			26	520.00	KW
16	Common Lights			2.50			5	12.50	KW
17	External (Gate, landscape lighting							10.00	KW
18	Basements Lights							35.00	KW
19	Basement Ventilation							40.00	KW
20	Convenient Shops	1141.83	40	45.67			1	45.67	KW
21	Community Hall/ Club/ Facilities	1334.27	40	53.37			1	53.37	KW
23	Plumbing Load							10.00	KW
24	Fire pumps (only Jockey pumps have been considered)			10.00			2	20.00	KW
	Total Load							6622.07	KW
A By taking Overall Diversity factor									
							50%	3311.03	KW
B By taking Power factor									
							0.90	3678.93	KVA
C Total Electric Load (say)									
								3679	KVA
D Total Recommended transformers (90% loading)									
								4088	KVA
E Recommended transforms of 2X 1600 KVA AND 1 X 800 KVA									
								3	Nos
F Recommended DG for power back up of 2X 1010 KVA AND 1 X 750 KVA									
								3	Nos

Drawing Title:-
**SITE PLAN-
(EXTERNAL ELECTRICAL LAYOUT)**

PROJECT: SKA ESTATE
DEVELOPERS: PRASU HOMES LLP

DATE = 10.12.2024

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