



GROUND FLOOR PLAN

SL. NO	AREA DESCRIPTION	Area of Unit in Sq. mt. (Built up Area)	Connected @ 1500 W/10 SQMT	Diversity on light power load	Total Demand load in KW
1)	COMMERCIAL BELT, GREATER NOIDA, U. P.				
a)	Basement (50 % area has been taken as per norms)	1016	152.4	0.75	114.30 KW
b)	Lower Ground Floor	894	134.1	0.75	100.58 KW
c)	Ground Floor	1046	156.9	0.75	117.68 KW
d)	Upper Ground to 3rd Floor	3960	594.0	0.75	445.50 KW
e)	Fourth Floor (50 % area has been taken as per norms)	481	72.2	0.75	54.13 KW
f)	Fifth to Ninth Floor (50 % area has been taken as per norms)	2640	396.0	0.75	297.00 KW
g)	Tenth Floor	1008	151.2	0.75	113.40 KW
h)	Eleventh Floor	823	123.5	0.75	92.59 KW
i)	Twelfth Floor	962	144.3	0.75	108.23 KW
j)	Fourteenth Floor	677	101.6	0.75	76.16 KW
k)	Fifteenth To Nineteenth Floor	3400	510.0	0.75	382.50 KW
l)	Twentieth Floor (50 % area has been taken as per norms)	438	65.7	0.75	49.28 KW
	TOTAL LOAD (A)	17345	2601.8 KW		1951.3 KW
2)	PLUMBING LOAD		30 KW	0.8	24.00 KW
3)	LIFT LOAD - 4Nos. (@15 kw for each lift)		60 KW	0.8	48.00 KW
4)	FIRE FIGHTING LOAD		239 KW	only Jockey	7.50 KW
	TOTAL LOAD (B)		329 KW		80 KW
	GRAND TOTAL LOAD (A+B) For TRANSFORMER		2930.5 KW		2030.8 KW
	Diversified load For Non Essential Supply (diversity factor@80%)				1625 KW
	SELECTION OF TRANSFORMER SIZES				
	MAXIMUM DEMAND LOAD IN KVA (DG PF -0.95)				1710 KVA
	TRANSFORMER CONSIDERING LOADING @ 85%				2012 KVA
				SAY	2020 KVA
	HENCE SELECT 2 NOS. 1000 KVA, 11 KV/433 V, DRY TYPE TRANSFORMERS				
	GRAND TOTAL LOAD (A+B) FOR DG SETS				2031 KW
	Diversified load For Essential Supply (diversity factor@70%)				1422 KW
	SELECTION OF DG SIZES				
	MAXIMUM DEMAND LOAD IN KVA (DG PF -0.80)				1777 KVA
	DG CONSIDERING LOADING @ 85%				2091 KVA
				SAY	2100 KVA
	HENCE SELECT 2 NO. 1010 KVA, LT DG SETS SHALL BE USED.				

SERVICE DRAWING

PROJECT :
PROPOSED COMMERCIAL COMPLEX ON PLOT No. SLC- 3/3 SECTOR ALPHA II COMMERCIAL BELT, GREATER NOIDA, U. P.
 CLIENT : VDM

SHEET TITLE :
ELECTRICAL LAYOUT PLAN

DATE : 15-12-25 DRG. NO : PL-SP-04

SCALE : 1:150 NORTH:

OWNER'S SIGN ARCHITECT'S SIGN

SANJEEV KUMAR Digitally signed by SANJEEV KUMAR Date: 2026.04.06 12:48:40 +05'30' **CHANDER MOHAN** Digitally signed by CHANDER MOHAN Date: 2026.04.06 12:02:32 +05'30'

ARCHITECTS:
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