



LOAD SELECTION FOR TRANSFORMER AND DG FOR SLC-3/4 SECTOR-ALPHA-II

S. No.	DESCRIPTION	AREA / UNIT (IN SQM.)	CONNECT ED LOAD (KW) /FLAT	TOTAL CONNECTE D LOAD (KW)
1	1ST BASEMENT	1554.280	15.543	15.54 KW
2	LOWER GROUND FLOOR	1011.488	151.723	151.72 KW
	LOWER GROUND FLOOR (PARKING)	542.792	5.428	5.43 KW
3	UPPER GROUND FLOOR	980.114	147.017	147.02 KW
4	1ST FLOOR	980.114	147.017	147.02 KW
5	2ND FLOOR	980.114	147.017	147.02 KW
6	3rd FLOOR	980.114	147.017	147.02 KW
7	4th FLOOR	980.114	9.801	9.80 KW
8	5th FLOOR	980.114	9.801	9.80 KW
9	6th FLOOR	980.114	9.801	9.80 KW
10	7th FLOOR	980.114	9.801	9.80 KW
11	8th FLOOR	838.273	41.914	41.91 KW
12	9th FLOOR	844.348	42.217	42.22 KW
13	10th FLOOR	735.235	36.762	36.76 KW
14	11th FLOOR	722.684	36.134	36.13 KW
15	12th FLOOR	603.734	30.187	30.19 KW
17	14th FLOOR	590.687	29.534	29.53 KW
18	15th FLOOR	554.598	27.730	27.73 KW
19	16th FLOOR	554.598	27.730	27.73 KW
20	17th FLOOR	554.598	27.730	27.73 KW
21	18th FLOOR	554.598	27.730	27.73 KW
22	19th FLOOR	554.598	5.546	5.55 KW
23	20th FLOOR	346.090	51.914	51.91 KW
10	GRAND TOTAL			1185.09 KW
	Considering 80% /50% Diversity for load			849.77 KW
	TRANSFORMER SELECTION			
	Total Maximum Demand in KW Load on Transformer			849.77 KW
	Maximum Demand Load in KVA (Power Factor@0.9)			944.19 KVA
	Transformer Capacity Considering 125% Loading			1180.24 KVA
	it is proposed to install 1 No. 1200 KVA 33KV/433 V Oil Type			
	DG SELECTION			
	Total Maximum Demand in KW Load on DG Considering 70%			594.84 KW
	Maximum Demand Load in KVA (Power Factor@0.8)			743.55 KVA
	Transformer Capacity Considering 85% Loading			874.77 KVA
	it is proposed to install 1 No. 750 KVA & 1 No. 250 KVA DG Sets.			

SIGNING AUTHORITY

ARCHITECTS SIGN

SUBMISSION DRAWING

PROJECT:-
PROPOSED COMMERCIAL FOR
M/s. MAHAVINAYAKA
INFRAPROJECTS PVT. LTD.
AT PLOT No. SLC-3/4,
SECTOR-ALPHA-2 G.NOIDA. (U.P.)

DRG. TITLE:- **ELECTRICAL PLAN**

SCALE:-1:100 DRG. NO.:RW-01

DLT.BY.-: DATE:-07/11/2024

ARCHITECTS:-
P. N. ANDLEY B.ARCH. A.I.I.A.

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