



KEY PLAN:1

PROJECT:

COMMERCIAL COLONY AREA MEASURING
2.625 ACRES IN SECTOR 34, SOHNA BEING
DEVELOP BY SMT. MONIKA RAIZADA W/O SH.
NAVEEN RIZADA IN COLLABORATION WITH
NAVI ESTATES LLP.
(LICENCE NO 79. OF 2018 DATED 17/11/2018)

CLIENT: NAVI ESTATES, LLP
NEW DELHI

REVISION SCHEDULE:

SNO	NOTES	DATED

ARCHITECT SIG:

OWNER SIG:

BUILDING TYPE: COMMERCIAL

GENERAL NOTES:

All dimensions should be checked and verified before execution. Inconsistency if any should be brought to the notice of the architect.

MEP CONSULTANT

INNOVATIVE CONSULTING ENGINEERS

G79/3, 2nd Floor
Jasola-Kalindi Kunj Road,
New Delhi-110025
Ph: 011-26941605
Email :- innovative.FF@gmail.com

ARCHITECT



Lucknow Studio: 1/24, Vipul Khand, Gomti Nagar, Lucknow
Ph no.0522 - 4027793

Delhi Studio: T - 34/ 702, Common Wealth Games Village,
Delhi - 110092
Ph no. 011 - 21211409

DRAWING TITLE: EXTERNAL LIGHTING LAYOUT

DRAWING NO:	DATE:
EL-01	02/12/2020

SCALE:	NORTH:
1:275 @ A2	

PHASE WISE ELECTRICAL LOAD FOR PROJECT THE LEAF BY M/S NAVI ESTATES LLP AT SEC 34 SOHNA						
S.No.	DESCRIPTION	AREA/AREA DWN	LOAD (KW)	ESTIMATED COST OF INFRASTRUCTURE	REMARKS	
1	PHASE I (MARCH-2020)	10000	1000	7814.77 \$M	10% OF TOTAL PLP	
2	PHASE II (OCTOBER-2020)	10000	1431	10750.17 \$M	10% OF TOTAL PLP & INFRA	
ELECTRICAL LOAD CALCULATIONS FOR PROJECT THE LEAF BY NAVI ESTATES LLP AT SEC 34 SOHNA OR PER DBHWN NORMS						
AT 7% DISCOUNT CHARGE ON 10.56/2027 DATED 12/05/2020						
S.No.	DESCRIPTION	UNITS				
1	LAND AREA AS PER ZONING	2.5150 Acres				
2	2646.775					
3	AREA AREA	17814.77 \$M				
4	CONVERTED LOAD AS PER DBHWN	2400				
5	CONVERTED FACTOR AS PER DBHWN	0.65				
6	MAX DEMAND LOAD AS PER DBHWN	1170.23 \$W				
7	MAX DEMAND LOAD AS PER DBHWN	1170.23 \$W				
8	MAX DEMAND LOAD AS PER DBHWN	1000.23 \$W				
9	TRANSFORMER CAPACITY REQUIRED AS PER DBHWN	2250.23 \$W				
10	TRANSFORMER CAPACITY REQUIRED AS PER DBHWN	2250.23 \$W				
11	TRANSFORMER CAPACITY REQUIRED AS PER DBHWN	2250.23 \$W				
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80						

Statement of actual load calculation for NAVI ESTATES LLP AT SEC 34 SOHNA						
S.No.	Air Conditioning Equipment	Qty	Unit	Total Load(Watt)	Total Connected	Diversity Factor
A1	Chiller					
1	Water Cooled Chiller 225 TR	2	160	320	8	256
2	Air Cooled Chiller 60 TR	2	70	140	0.8	112
A2	HPAC Pumps					
1	Primary Pumps	3	9.25	27.75	5.6	17
2	Primary Pumps	2	2.35	4.55	0.6	3
3	Secondary Pumps	1	11.00	45.0	0.8	37
4	Secondary Pumps	2	5.50	11.0	0.6	6
5	Secondary Pumps	1	20.0	80.0	0.6	50
A3	Cooling Towers					
1	Cooling Towers 285 TR	2	5.50	11.0	0.6	7
A4	Heating Units					
1	Heating Units	1	11.25	11.3	0.7	8
2	Heating Units	1	7.50	7.5	0.7	5
3	Heating Units	1	5.00	5.0	0.7	4
4	7000 CUP	1	1.50	1.5	0.7	1
5	7000 CUP	1	1.50	1.5	0.7	1
6	4000 CUP to 3000 CUP	1	2.50	2.5	0.7	1
7	4000 CUP to 3000 CUP	1	3.10	3.1	0.7	1
8	7000 CUP	1	0.75	0.8	0.7	1
A5	Trained Fresh Air Unit					
1	7000 CUP to 6000 CUP	2	5.50	11.0	0.7	8
2	7000 CUP to 6000 CUP	1	3.10	3.1	0.7	1
3	2500 CUP	1	1.50	1.5	0.7	1
A5	Ventilation					
1	8 to 4000 CUP to 15000 CUP (Normal)	13	5.50	71.5	0.6	43
2	8 to 4000 CUP (Normal)	8	7.50	60.0	0.6	38
3	8 to 15000 CUP	1	18.75	18.8	0.6	11
4	8 to 15000 CUP	1	18.75	18.8	0.6	11
5	8 to 15000 CUP	1	18.75	18.8	0.6	11
6	Air Washer 2250 CUP to 1500 CUP	1	15.00	15.0	0.6	9
7	Air Washer 2250 CUP to 1500 CUP	1	15.00	15.0	0.6	9
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For Navi Estates LLP
Vijay K. Goel
Director