



ELECTRICAL LOAD DETAILS OF EXISTING GROUP HOUSING PROJECT AT GAUR ATULYAM, PLOT NO. GH - 1A, SECTOR - OMICRON - I, GR. NOIDA

S. No	Description	per Unit Area	Load/ Sqm (W)	Load/ Unit(KW)	Floors	Units/ floor	Unit/ Tower	Total Load	Unit
A	EXISTING Power Consumption for Units								
1	BLOCK-A	897.97	50	44.90	19	8	152	853.07 KW	
2	BLOCK-C	569.45	50	28.47	19	8	152	540.98 KW	
3	BLOCK-D	569.45	50	28.47	19	8	152	540.98 KW	
4	BLOCK-F	495.92	50	24.80	19	8	152	471.13 KW	
5	BLOCK-G	495.92	50	24.80	19	8	152	471.13 KW	
6	BLOCK-H	687.09	50	34.35	19	8	152	652.74 KW	
7	BLOCK-I	687.09	50	34.35	19	8	152	652.74 KW	
	Total						1064	4182.76 KW	
B	Power Consumption for Services/common Areas								
15	Elevator			30.00			21	630.00 KW	
16	Common Lights			4.00			8	32.00 KW	
17	External /Gate /landscape lighting							20.00 KW	
18	Basements Lights							50.00 KW	
19	Basement Ventilation							25.00 KW	
21	Community Hall/ Club/ Facilities	896.54	75	67.24			1	67.24 KW	
22	Misc.							30.00 KW	
23	Plumbing Load							45.00 KW	
24	Fire pumps (only Jockey pumps have been considered)			10.00			2	20.00 KW	
	Total Load							5102.00 KW	

A	By taking Overall Diversity factor	60%	3061.20 KW
B	By taking Power factor	0.90	3401.33 KVA
C	Total Electric Load (say)		3401 KVA
D	Total Recommended transformes (80% loading)		4252 KVA
E	One Recommended transformes of 2000 KVA each		1 Nos

ELECTRICAL LOAD DETAILS OF SENCTION GROUP HOUSING PROJECT AT GAUR ATULYAM, PLOT NO. GH - 1A, SECTOR - OMICRON - I, GR. NOIDA

S. No	Description	per Unit Area	Load/ Sqm (W)	Load/ Unit(KW)	Floors	Units/ floor	Unit/ Tower	Total Load	Unit
A	Power Consumption for Units								
1	BLOCK-A	897.97	50	44.90	19	8	152	853.07 KW	
2	BLOCK-B	569.45	50	28.47	12	8	96	341.67 KW	
3	BLOCK-C	569.45	50	28.47	19	8	152	540.98 KW	
4	BLOCK-D	569.45	50	28.47	19	8	152	540.98 KW	
5	BLOCK-E	569.45	50	28.47	19	8	152	540.98 KW	
6	BLOCK-F	495.92	50	24.80	19	8	152	471.13 KW	
7	BLOCK-G	495.92	50	24.80	19	8	152	471.13 KW	
8	BLOCK-H	687.09	50	34.35	19	8	152	652.74 KW	
9	BLOCK-I	687.09	50	34.35	19	8	152	652.74 KW	
10	BLOCK-J	687.09	50	34.35	19	8	152	652.74 KW	
	Total						1464	5718.14 KW	
B	Power Consumption for Services/common Areas								
15	Elevator			30.00			27	810.00 KW	
16	Common Lights			4.00			8	32.00 KW	
17	External /Gate /landscape lighting							20.00 KW	
18	Basements Lights							50.00 KW	
19	Basement Ventilation							25.00 KW	
21	Community Hall/ Club/ Facilities	896.54	75	67.24			1	67.24 KW	
22	Misc.							30.00 KW	
23	Plumbing Load							45.00 KW	
24	Fire pumps (only Jockey pumps have been considered)			10.00			2	20.00 KW	
	Total Load							6817.38 KW	

A	By taking Overall Diversity factor	60%	4090.43 KW
B	By taking Power factor	0.90	4544.92 KVA
C	Total Electric Load (say)		4545 KVA
D	Total Recommended transformes (80% loading)		5681 KVA
E	Recommended transformes of 1250 KVA each		5 Nos

LIGHTING LEGEND

SYMBOL	TYPE
⊙	POST STOP LAMP @ 8-10 MT C/C APPROX
⊗	FEATURE LIGHT COLUMN @ 15MT C/C APPROX
⊕	POLE LIGHT NEAR BOUNDRY WALL
◇	FOCUS LIGHT FOR BADMINTON COURT

client
UP TOWNSHIP INFRASTRUCTURE (P) LIMITED
GAUR BIZ PARK PLOT NO.-I, ABHAY KHAND- II,
INDIRAPURAM, GHAZIABAD

project
EXISTING GROUP HOUSING PROJECT 'GAUR
ATULYAM' AT PLOT NO GH - 1A, SECTOR -
OMICRON - I GREATER NOIDA UP.

title
COMPLETION

subtitle
ELECTRICAL PLAN

architects

OWNER'S SIGN