

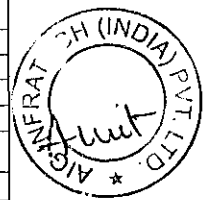
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Date : 11.02.2014

**LOAD FOR GROUP HOUSING (GC-2 AT GAUR CITY) PLOT NO - GH - 01, SECTOR - 4
GREATER NOIDA**

S.NO.	UNIT TYPE	NO. OF FLATS	CONNECTED PER FLAT LOAD	TOTAL LOAD	UNIT
1	BLOCK - A				
	3 BED ROOM+2TOILET	34.00	10.70	363.80	KW
	2BED ROOM+2TOILET	34.00	9.50	326.40	KW
	TOTAL	68.00		690.20	KW
2	BLOCK - B				
	2BED ROOM+2TOILET	34.00	9.50	326.40	KW
	2BED ROOM+2TOILET+STUDY	34.00	9.50	326.40	KW
	TOTAL	68.00		652.80	KW
3	BLOCK - C				
	2BED ROOM+2TOILET	34.00	9.50	326.40	KW
	2BED ROOM+2TOILET+STUDY	34.00	9.50	326.40	KW
	TOTAL	68.00		652.80	KW
4	BLOCK - D				
	3 BED ROOM+2TOILET	34.00	11.00	374.00	KW
	2BED ROOM+2TOILET	68.00	9.50	646.00	KW
	TOTAL	102.00		1020.00	KW
5	BLOCK - E				
	3 BED ROOM+2TOILET+STUDY	68.00	11.40	775.20	KW
	TOTAL	68.00		775.20	KW
6	BLOCK - F				
	3 BED ROOM+2TOILET+STUDY	68.00	11.40	775.20	KW
	TOTAL	68.00		775.20	KW
7	BLOCK - G				
	3 BED ROOM+2TOILET+STUDY	34.00	12.00	408.00	KW
	2BED ROOM+2TOILET+STUDY	34.00	10.80	367.20	KW
	3 BED ROOM+2TOILET	34.00	11.00	374.00	KW
	TOTAL	102.00		1149.20	KW
8	BLOCK - H				
	2BED ROOM+2TOILET+STUDY	68.00	10.70	727.60	KW
	TOTAL	68.00		727.60	KW
9	BLOCK - I				
	2BED ROOM+2TOILET+STUDY	34.00	10.80	367.20	KW
	3 BED ROOM+2TOILET	34.00	10.90	370.60	KW
	TOTAL	68.00		737.80	KW
10	BLOCK - J				
	2BED ROOM+2TOILET+STUDY	125.00	10.80	1350.00	KW
	STILT + GROUND			129.60	KW
	TOTAL	125.00		1479.60	KW
	TOTAL	805.00		8680.40	KW
B	Power Consumption for Service / Common Areas				
a)	ELEVATOR	20.00	9	180.00	KW
b)	EXTERNAL / GATE / LANDSCAPE LIGHTING			15.00	KW
c)	BASEMENT LIGHTS			42.76	KW
d)	BASEMENT VENTILLATION			50.00	KW
e)	MISC.			50.00	KW
f)	PLUMBING LOAD			35.00	KW
g)	FIRE PUMPS (ONLY JOCKEY PUMPS HAVE BEEN CONSIDERED)			20.00	KW
	TOTAL B			392.76	
	TOTAL A+B			9053.16	KW
	By taking Overall diversity factor		45%	4073.92	KW
	Say			5092.40	KVA
	Total Electric Load (Say)			5190	KVA
	Total Recommended D. G. SET (85% loading)			6000.00	KVA
	RECOMMENDED SILENT TYPE D. G. SET (AT THIS STAGE) - 2 X 2000 KVA + 1 X 800 KVA				
	RECOMMENDED TRANSFORMER (AT THIS STAGE) - 3 X 1600 KVA				



PROJECT
GROUP HOUSING(GC-2 AT GAUR CITY) PLOT NO - GH - 01, SECTOR - 4, GREATER NOIDA

APARTMENT ACT
ELECTRICAL LAYOUT

