

ELECTRIC & METER ROOM

Project
PROPOSED CONVENIENT SHOPPING COMPLEX AT NTPC,SAHKARI AWAS SAMITI, Ltd, PLOT NO.03, SECTOR P-6, GREATER NOIDA

AREA CALCULATION

AREA CALCULATIONS:
 TOTAL PLOT AREA = 1500 SQM
 COVERED AREA (GROUND FLOOR) = 393.37 SQ M
 COVERED AREA (FIRST FLOOR) = 393.37 SQ M
 MUMTY (2100 MM HT) AREA = 53.10 SQM.
 TOTAL COVERED AREA = 839.84 SQM
 GROUND COVERAGE PERMITTED = 40%
 GROUND COVERAGE ACHIVED = (393.37/1500X100)=26.22%
 F.A.R ACHIEVED (IN %) = (839.84/1500X100)=55.98
 F.A.R PERMITTED (IN%) = 80
 TOTAL OPEN AREA = 1106.63 SQM (73.77%)
 AREA UNDER SOFTSCAPE = 277.30 SQM.(25.06%)
 OF TOTAL OPEN AREA
 AREA UNDER METAL ROADS = 839.00 SQM. (55.93%)

PARKING AREA CALCULATIONS:
 TOTAL PLOT AREA = 1500 SQM
 F.A.R PERMITTED (IN %) = 80
 TOTAL COVERED AREA ALLOWED = 1200 SQM
 ECS TO BE PROVIDED (@1ECS/50SQM) = 24 ECS
 TOTAL PARKING AREA (@ 20SQM/ECS) = 480.0 SQM
 TOTAL PARKING AREA PROVIDED = 481.4 SQM

LANDSCAPE CALCULATIONS:
 TOTAL OPEN AREA = 1106.63 SQM
 TOTAL NO. OF TREES (@1 TREE/100SQM) = 11 TREES (APPROX.)
 TOTAL NUMBER OF TREES PROPOSED = 30
 TOTAL EVERGREEN TREES = 12
 TOTAL DECIDUOUS TREES = 18

TREES DETAILS:

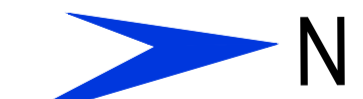
S.No.	COMMON NAME	BOTANICAL NAME	CLASSIFICATION	QUANTITY
1.	Weeping Fig	Ficus benjamina	Evergreen	5 nos.
2.	Champa	Plumeria alba	Deciduous	10 nos.
3.	Asoka	Palaash longfolia	Evergreen	6 nos.

Detail Of Door's & Window's

S.No.	Type	Nos.	Size	Description
1.	D1	01	1250 X 2100	DOOR
2.	D2	05	1050 X 2100	DOOR
3.	D3	04	750X1200	DOOR
4.	V1	08	600X600	VENTILATOR

GENERAL SPECIFICATIONS :

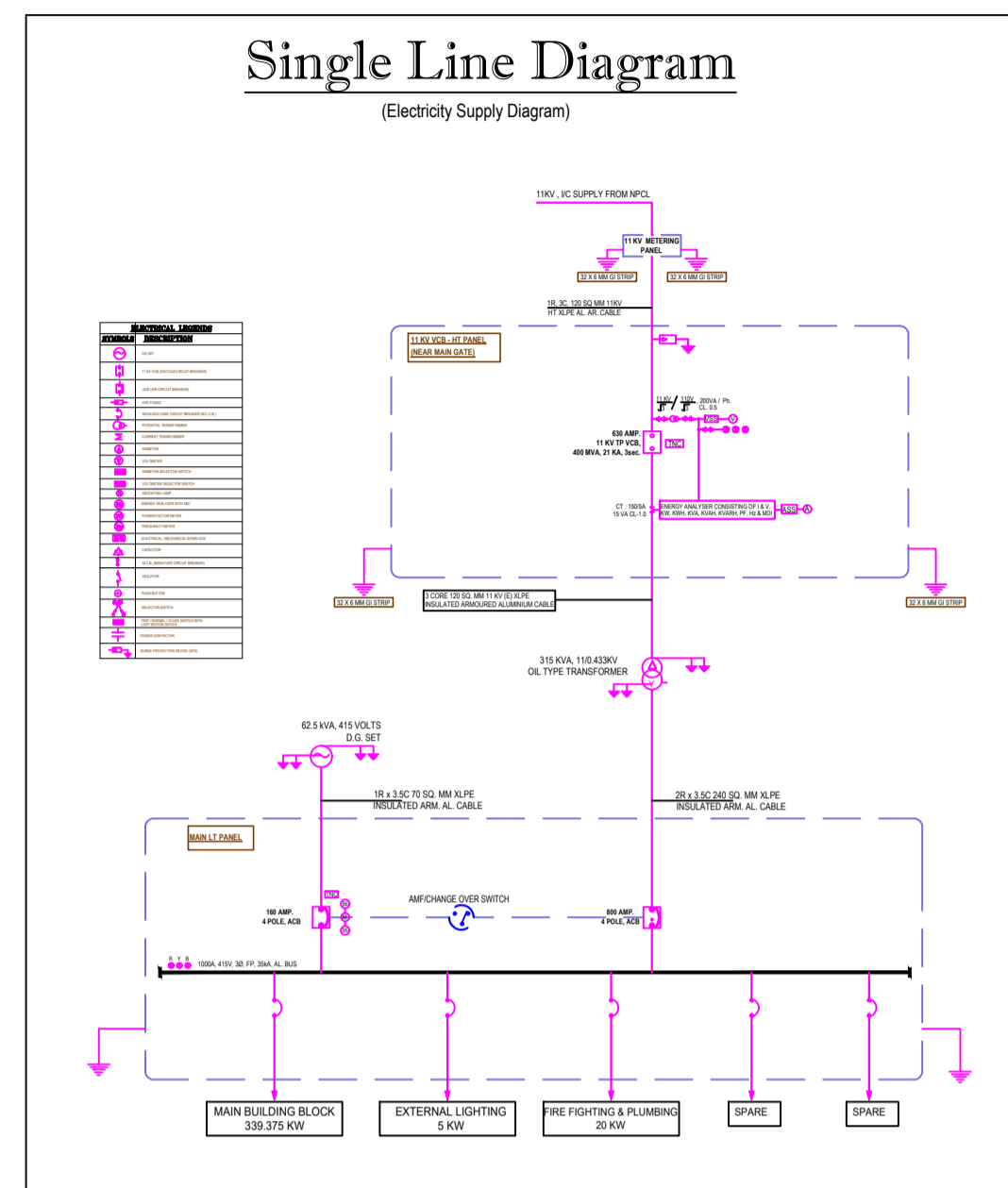
- FOUNDATION CONCRETE IN 1:6:12 WITH CEMENT AND FINE SAND MORTAR.
- MASONRY FIRST CLASS BRICK WORK IN 1:6 CEMENT AND FINE SAND MORTAR.
- D.P.C. 40 MM THICK AT PLINTH LVL SHALL BE PROVIDED IN 1:2:4.
- ALL DORRS AND WINDOWS SHALL BE IN APPROVED QUALITY OF TIMBER.
- 150 MM THICK LINTEL BAND AT DOOR AND WINDOW LVL SHALL BE PROVIDED.
- R.C.C. SLAB SHALL BE CAST IN M20 GRADE CONCRETE.
- PLASTER 12 MM THICK IN 1:6 CEMENT AND FINE SAND SHALL BE PROVIDED.

North Line Submission Drg.
 **N**
MAR. 2017

IT IS CERTIFIED THAT THE BUILDING DRAWINGS HAVE BEEN PREPARED ACCORDING TO GNIDA BUILDING BYE LAWS-2010.

ARCHITECT KUNJ ARCHITECTS AND ASSOCIATES; 38-SRI NARAYAN GANJ, UJHANI BUDAUN	OWNER N.T.P.C.SAHKARI AWAS SAMITI Ltd. PLOT No. 3 SECTOR P-6 GREATER NOIDA
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ARCHITECT'S SIGNATURE OWNER'S SIGNATURE



ELECTRICAL LOAD DETAILS FOR PROPOSED COMMERCIAL COMPLEX AT NTPC ,SAHKARI AWAS SAMITI,Ltd PLOT NO .03, SECTOR P-6 AT, GREATER NOIDA. DISTT- GAUTAMBUDH NAGAR. (U.P.)

S. NO.	Description	no. of blocks (units)	Total Floor Area (sqm.)	Load per SqM. (W)	Total Load	Unit	
A. Power Consumption for Building Blocks							
1.	Main Building (GF+UGF+FF+SF)	1	2246.92	150	337.03	KW	
2.	GUARD ROOM	1	10.5	50	0.525	KW	
3.	METER ROOM	1	22.75	80	1.82	KW	
					Total Load	339.375	KW
B. Power Consumption for Building Services and common Area							
1.	External Lighting				5	KW	
2.	Fire Fighting & Plumbing				20	KW	
3.	Miscellaneous				5	KW	
					Total Load	30	KW
					Total Power Consumption (A+B)	369.375	KW
a.	By taking Overall Diversity Factor			0.70 %	258.562	KW	
b.	By taking Power Factor			0.85	308.308	KVA	
c.	Total Electrical Load (say)				304	KVA	
d.	Total Recommended Transformer (95% loading)				320	KVA	
e.	Recommended Transformer of 315 KVA (shall be provided as per actual Demand)				1	Nos	

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S. NO.	EQUIPMENT	LOCATION	RATING.	MAKE
1	ENERGY METER	SUB STATION AREA	11KV	NPCL
2	TRANSFORMER	SUB STATION AREA	315 KVA	ALSTOM/SCHNEIDER
3	DG - 1	SUB STATION AREA	62.5 KVA	CUMMINS/JACKSON/KOEL

