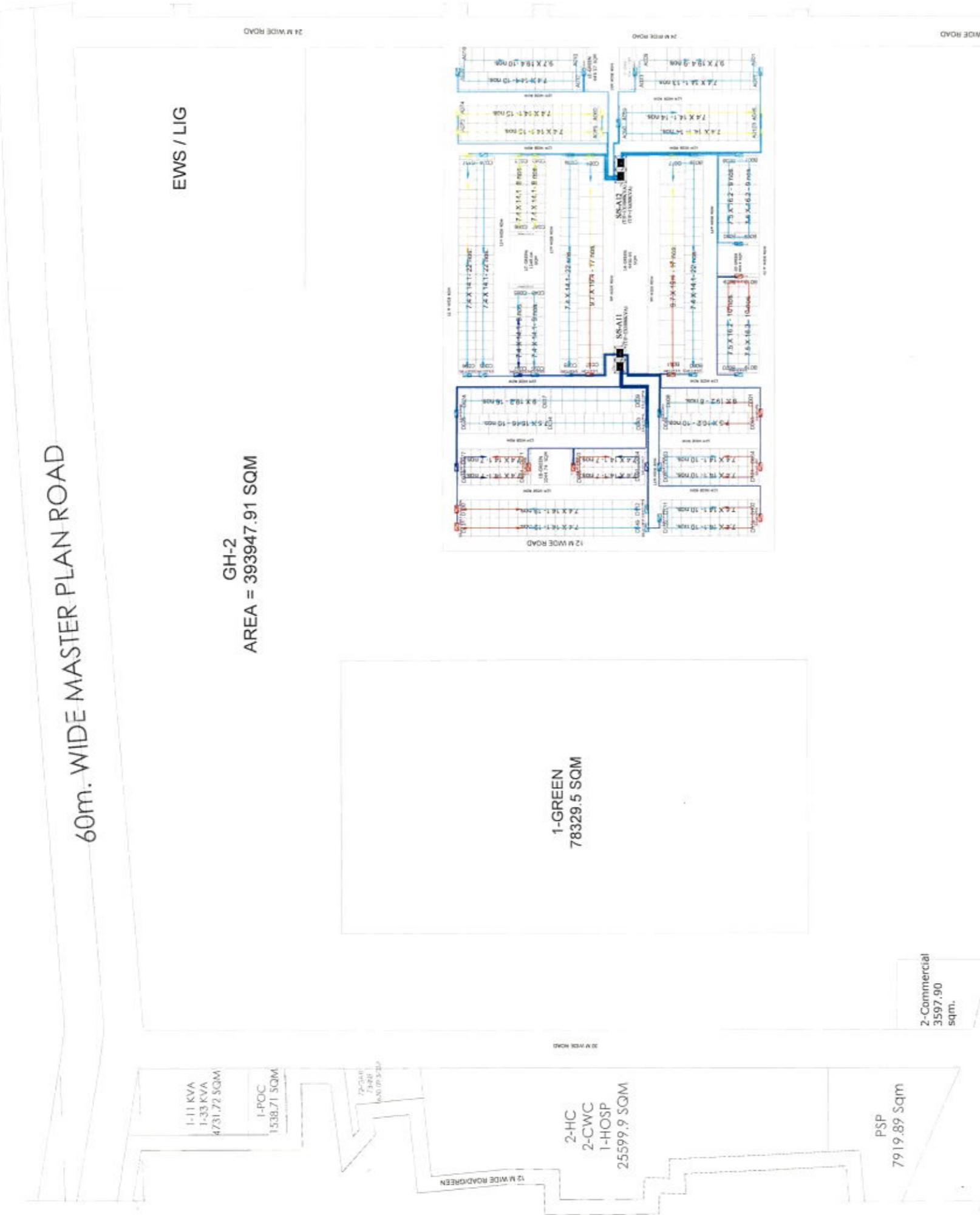


60m. WIDE MASTER PLAN ROAD



SKS MARG

LEGEND :-	S.NO.	SYMBOL	DESCRIPTION
1.			LT CABLE
2.			TRANSFORMER FOUNDATION
3.			6 WAY FEEDER PILLAR
4.			8 WAY FEEDER PILLAR
5.			12 WAY FEEDER PILLAR

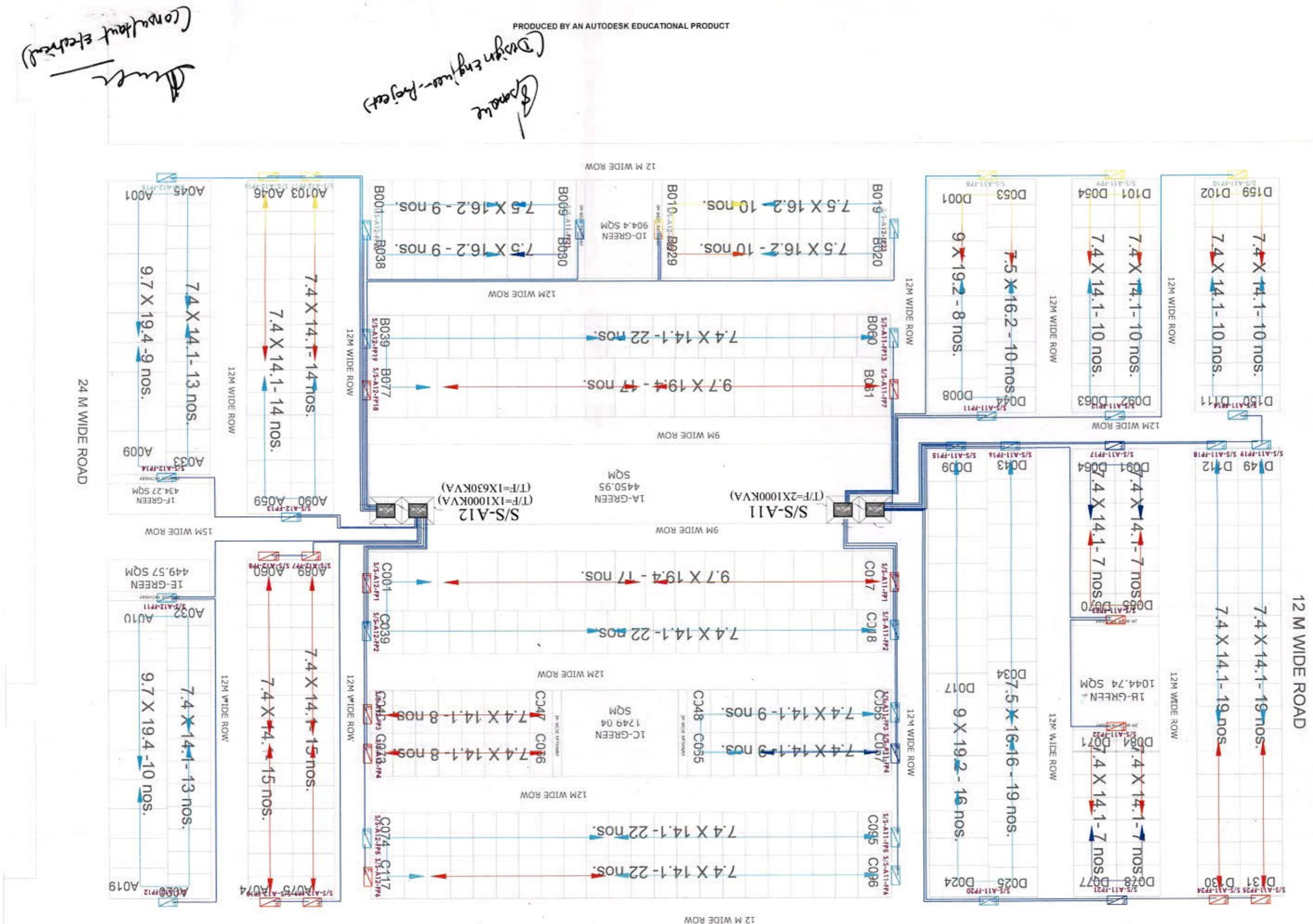
PROJECT
WAVE CITY AT
GAZIABAD

DRG. NO.-LT/DS/NT/ST-01
DATE 18.06.2019
REVISION CODE
DEALT
DRAWN BY Subhash Saroha
CHECKED BY
CHIEF ARCHITECT
CONSULTANT
(ELECTRICAL)

(Designing project)
(D�igning project)

shankar
(Constant electrical)

12 M WIDE ROAD



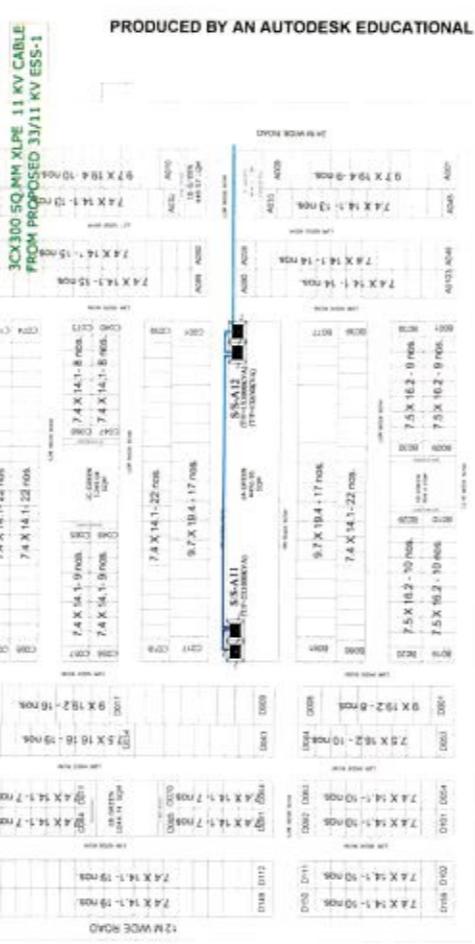
60m. WIDE-MASTER PLAN ROAD
60m. WIDE-MASTER PLAN ROAD

1-11 KVA
1-38 KVA
4731.725 SQM

1-POC
1538.715 SQM

GH-2
AREA = 393947.91 SQM

EWS / LIG



2-HC
2-CWC
1-HOSP
25599.9 SQM



S K S MARG

LEGEND :-
S.NO. SYMBOL DESCRIPTION
1. HT CABLE
2. TRANSFORMER FOUNDATION

PROJECT
WAVE CITY AT
GHAZIABAD

DRAWING TITL
HT Distribution Network Design for Sector- 1
Subhash Saroha
DRAW. NO.-HT/DS/NT/ST-01
DATE 18.06.2019
DEALT :
REVISION CODE

SCALE
1:500
DATE 18.06.2019
DEALT :
REVISION CODE

*Openable
Configurable project
Consultant electrical
drawn*

Sector-1

S.NO	S/S NO.	FROM	TO FEEDER PILLAR	FP LOAD IN KVA	Commulative LOAD IN KVA	DISTANCE (IN KM)	Current (A)	Cable Size (sq.mm)	Cable Type	Voltage Drop (Volts/Km/ Amps)	Voltage Drop (in Volt)	% Voltage Drop	Current Rating of Single Run Cable considering derating factor 0.8
1		S/S-A12	S/S-A12-FP1	73.15	152.05	40	0.04	211.78	3.5CX185	XLPE Al. Armoured	0.40	3.39	0.82%
2		S/S-A12-FP1	S/S-A12-FP2	78.90	78.90	13	0.013	109.90	3.5CX95	XLPE Al. Armoured	0.70	1.00	0.24%
3		S/S-A12	S/S-A12-FP3	46.40	92.80	83	0.083	129.26	3.5CX95	XLPE Al. Armoured	0.70	7.51	1.81%
4		S/S-A12-FP3	S/S-A12-FP4	46.40	46.40	11	0.011	64.63	3.5CX95	XLPE Al. Armoured	0.70	0.50	0.12%
5		S/S-A12	S/S-A12-FP5	69.60	116.00	124	0.124	161.57	3.5CX120	XLPE Al. Armoured	0.56	11.22	2.70%
6		S/S-A12-FP5	S/S-A12-FP6	46.40	46.40	10	0.01	64.63	3.5CX95	XLPE Al. Armoured	0.70	0.45	0.11%
7		S/S-A12	S/S-A12-FP7	46.40	92.80	47	0.047	129.26	3.5CX95	XLPE Al. Armoured	0.70	4.25	1.02%
8		S/S-A12-FP7	S/S-A12-FP8	46.40	46.40	12	0.012	64.63	3.5CX95	XLPE Al. Armoured	0.70	0.54	0.13%
9		S/S-A12	S/S-A12-FP9	46.40	92.80	160	0.16	129.26	3.5CX95	XLPE Al. Armoured	0.70	14.48	3.48%
10		S/S-A12-FP9	S/S-A12-FP10	46.40	46.40	12	0.012	64.63	3.5CX95	XLPE Al. Armoured	0.70	0.54	0.13%
11		S/S-A12	S/S-A12-FP11	97.50	179.90	106	0.106	250.57	3.5CX240	XLPE Al. Armoured	0.30	7.97	1.92%
12	S/S-A12	S/S-A12-FP11	S/S-A12-FP12	82.40	82.40	128	0.128	144.77	3.5CX95	XLPE Al. Armoured	0.70	10.28	2.48%
13		S/S-A12	S/S-A12-FP13	69.60	69.60	46	0.046	96.94	3.5CX95	XLPE Al. Armoured	0.70	3.12	0.75%
14		S/S-A12	S/S-A12-FP14	82.40	82.40	100	0.1	144.77	3.5CX95	XLPE Al. Armoured	0.70	8.03	1.94%
15		S/S-A12	S/S-A12-FP15	87.05	87.05	177	0.177	121.25	3.5CX95	XLPE Al. Armoured	0.70	15.02	3.62%
16		S/S-A12	S/S-A12-FP17	46.40	92.80	130	0.13	129.26	3.5CX95	XLPE Al. Armoured	0.70	11.76	2.83%
17		S/S-A12	S/S-A12-FP16	46.40	46.40	12	0.012	64.63	3.5CX95	XLPE Al. Armoured	0.70	0.54	0.13%
18		S/S-A12	S/S-A12-FP18	73.15	152.05	40	0.04	211.78	3.5CX185	XLPE Al. Armoured	0.40	3.39	0.82%
19		S/S-A12	S/S-A12-FP19	78.90	46.40	14	0.014	64.63	3.5CX95	XLPE Al. Armoured	0.70	0.63	0.15%
20		S/S-A12	S/S-A12-FP20	81.00	121.50	94	0.094	169.23	3.5CX120	XLPE Al. Armoured	0.56	8.91	2.15%
21		S/S-A12	S/S-A12-FP21	40.50	40.50	99	0.099	56.41	3.5CX95	XLPE Al. Armoured	0.70	3.91	0.94%
22		S/S-A12	S/S-A12-FP22	54.00	135.00	188	0.188	188.04	3.5CX150	XLPE Al. Armoured	0.48	16.97	4.09%
23		S/S-A12	S/S-A12-FP23	81.00	40.50	109	0.109	56.41	3.5CX95	XLPE Al. Armoured	0.70	4.30	1.04%
1	S/S-A11	S/S-A11	S/S-A11-FP1	83.60	153.20	36	0.036	213.39	3.5CX185	XLPE Al. Armoured	0.40	3.07	0.74%
2		S/S-A11	S/S-A11-FP2	69.60	69.60	13	0.013	96.94	3.5CX95	XLPE Al. Armoured	0.70	0.88	0.21%
3		S/S-A11	S/S-A11-FP3	69.60	104.40	79	0.079	145.41	3.5CX95	XLPE Al. Armoured	0.70	8.04	1.94%
4		S/S-A11	S/S-A11-FP4	34.80	34.80	12	0.012	48.47	3.5CX95	XLPE Al. Armoured	0.70	0.41	0.10%
5		S/S-A11	S/S-A11-FP5	69.60	139.20	120	0.12	193.89	3.5CX150	XLPE Al. Armoured	0.48	11.17	2.69%
6		S/S-A11	S/S-A11-FP6	69.60	69.60	11	0.011	96.94	3.5CX95	XLPE Al. Armoured	0.70	0.75	0.18%
7		S/S-A11	S/S-A11-FP7	84.00	84.00	38	0.038	117.00	3.5CX95	XLPE Al. Armoured	0.70	3.11	0.75%
8		S/S-A11	S/S-A11-FP8	55.80	102.20	151	0.151	142.35	3.5CX95	XLPE Al. Armoured	0.70	15.05	3.63%
9		S/S-A11	S/S-A11-FP9	46.40	46.40	39	0.039	64.63	3.5CX95	XLPE Al. Armoured	0.70	1.76	0.43%
10		S/S-A11	S/S-A11-FP12	69.60	116.00	114	0.114	161.57	3.5CX120	XLPE Al. Armoured	0.56	10.31	2.49%
11		S/S-A11	S/S-A11-FP10	46.40	46.40	117	0.117	64.63	3.5CX95	XLPE Al. Armoured	0.70	5.29	1.28%
12		S/S-A11	S/S-A11-FP11	88.50	88.50	74	0.074	123.27	3.5CX95	XLPE Al. Armoured	0.70	6.39	1.54%
13		S/S-A11	S/S-A11-FP13	70.00	70.00	69	0.069	97.50	3.5CX95	XLPE Al. Armoured	0.70	4.71	1.13%
14		S/S-A11	S/S-A11-FP19	69.60	139.20	142	0.142	193.89	3.5CX150	XLPE Al. Armoured	0.48	13.22	3.18%
15		S/S-A11	S/S-A11-FP14	69.60	69.60	17	0.017	96.94	3.5CX95	XLPE Al. Armoured	0.70	1.15	0.28%
16		S/S-A11	S/S-A11-FP15	115.20	115.20	42	0.042	160.46	3.5CX120	XLPE Al. Armoured	0.56	3.77	0.91%

Conductors selected

Design confirmed

17	S/S-A11	S/S-A11-FP16	80.76	80.76	60	0.06	112.49	3.5CX95	XLPE Al. Armoured	0.70	4.72	1.14%	160
18	S/S-A11	S/S-A11-FP17	34.80	104.40	94	0.094	145.41	3.5CX95	XLPE Al. Armoured	0.70	9.57	231%	160
19	S/S-A11-FP17	S/S-A11-FP18	69.60	69.60	31	0.031	96.94	3.5CX95	XLPE Al. Armoured	0.70	2.10	0.51%	160
20	S/S-A11	S/S-A11-FP20	85.51	120.31	94	0.094	167.57	3.5CX120	XLPE Al. Armoured	0.56	8.82	2.13%	180
21	S/S-A11-FP20	S/S-A11-FP21	34.80	34.80	31	0.031	48.47	3.5CX95	XLPE Al. Armoured	0.70	1.05	0.25%	160
22	S/S-A11	S/S-A11-FP23	46.40	92.80	150	0.15	129.26	3.5CX95	XLPE Al. Armoured	0.70	13.57	3.27%	160
23	S/S-A11-FP23	S/S-A11-FP22	46.40	46.40	71	0.071	64.63	3.5CX95	XLPE Al. Armoured	0.70	3.21	0.77%	160
24	S/S-A11	S/S-A11-FP24	40.60	81.20	236	0.236	113.10	3.5CX95	XLPE Al. Armoured	0.70	18.68	4.50%	160
25	S/S-A11-FP24	S/S-A11-FP25	40.60	40.60	11	0.011	56.55	3.5CX95	XLPE Al. Armoured	0.70	0.44	0.10%	160

Graph -
Design engineer - Project

draw
(component electrical)