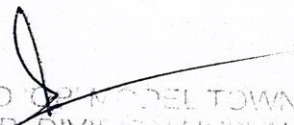


LOAD GROWTH

The load growth of Affordable Residential Plotted Colony being developed by Gemini Agroforms Pvt. Ltd. in the revenue estate of Vill. Rathdhana, Sector-33, Sonapat(License No. 181 of 2022) is expected to be as per table given below for the period 2023-2029. The full load is expected in year 2029.

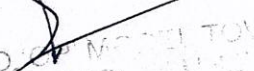
YEAR	Load	Commulative load
2023	50 KW	50 KW
2024	75 KW	125 KW
2025	75 KW	200 KW
2026	110 KW	310 KW
2027	115 KW	425 KW
2028	120 KW	545 KW
2029	113.74 KW	658.74 KW


S D O OPEN MODEL TOWN
SUB. DIVISION URBAN
SONIPAT

**B.O.Q OF ELECTRICAL WORKS OF AFFORDABLE RESIDENTIAL
PLOTTED COLONY IN SECTOR 33 M/S GEMINI AGROFARMS PVT.LTD**

Sr. No.	Description of Items	Unit	Qty
A	HT SYSTEM		
a	3-WAY RMU	Nos	1
a1	11 KV VCB	Nos	1
b	Supply of 11 KV Lightening Arrestor S/Stn. Type 9 KV, 10KA Heavy Duty.	Set	1
c	Supply of Barbed wire	Kg.	10
d	Supply of Danger plate	Nos	6
e	Supply of G.I Strip 25X6 mm 9 Mtr. For earthing Wt. 10.80 Kg. (TATA/SAIL Make)	Nos	15
f	G.I Pipe 40 sq.mm dia. 6 mtr long (for earting)	Nos	15
g	3CX95sqmm 11KV XLPE Cable	Mtr	60
h	Heat shrinkable kit 95 sqmm(indoor Type)	Nos	7
i	Heat shrinkable kit 95 sqmm(outdoor Type)	Nos	1
j	GI angle 50X50X6	Kg.	148
k	2 Pole Structure	Nos.	1
L	LT DISTRIBUTION BOARD	Nos.	2
m	GI Channel 100X50X6	Nos	1
n	GI Angle 50X50X6 2860mm	Nos	3
o	GI Angle 50X50X6 2200mm	Nos	2
p	11 KV Polymeric Insulator with Pin	Nos	8
q	11 KV GO Switch	Nos	1
r	Reference Meter	Nos	1
s	Chemical Earthing	Nos	12
	Total of "A"		
B	L.T. UNDERGROUND LINE		
	Material required for L.T.		
a	LT XLPE armoured 4 core cable 35 sq.mm	Mtr	170
b	LT XLPE armoured 3.5 core cable 50 sq.mm	Mtr	10
c	LT XLPE armoured 3.5 core cable 95 sq.mm	Mtr	600
d	3.5c x 120 sqmm Al. Arm. XLPE	Mtr	50
e	3.5c x 95 sqmm Al. Arm. XLPE	Mtr	25
f	3.5c x 70 sqmm Al. Arm. XLPE	Mtr	275
g	3.5c x 50 sqmm Al. Arm. XLPE	Mtr	295
h	4c x6 sqmm Al. Arm. stranded XLPE	Mtr	25
i	LT XLPE armoured 3.5 core cable 150 sq.mm	Mtr	950

	j	LT XLPE armoured 3.5 core cable 185 sq.mm	Mtr	650
		Total of "B"		
C		FEEDER PILLARS METER BOARD		
	a	Supply of Metallic Meter Pillar box (MMPB) to house 18 nos. of single/three phase meters with incomer of Suitable size MCCB of 16 KA, in accordance with approved design / drawing of nigam with separators, in-let and out-let holes per cable, door lock, transparent glass cover for meter reading, civil works/Plinth etc.	Set	1
	b	Supply of Metallic Meter Pillar box (MMPB) to house 17 nos. of single/three phase meters with incomer of Suitable size MCCB of 16 KA, in accordance with approved design / drawing of nigam with separators, in-let and out-let holes per cable, door lock, transparent glass cover for meter reading, civil works/Plinth etc.	Set	1
	c	Supply of Metallic Meter Pillar box (MMPB) to house 16 nos. of single/three phase meters with incomer of Suitable size MCCB of 16 KA, in accordance with approved design / drawing of nigam with separators, in-let and out-let holes per cable, door lock, transparent glass cover for meter reading, civil works/Plinth etc.	Set	4
	d	Main LT Panel	Set	2
		Total of "C"		
D		Transformers		
	a	Supplying of 500 KVA, 11KV/ 400 volt, 3 phase, 4 wire 50 Hz. oil Type ONAN Cu. wound Transformer for outdoor installation with cable box at primary and secondary end, silica gel breather (Completely Self Protected), 4 star rating as per nigam specification etc. completed as required.	Nos.	2
		Total of "D"		
		SUB-TOTAL		
		TOTAL COST (A+B+C+D)		


 S.D.O. JALPAIGIRI TOWN
 SUB. DIVISION
 SONBET