

DATA-27

Standard Estimate to release PS to 3 phase 4 wire Agricultural / Industrial Service connection for a load of 6 HP to 15 HP

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 8 SWG	Kg	2.5	75	187.5	28	70	4(h)
2	Energy meter 1 phase 5-10 Amps	No	1	1291	1291	74	74	11(a)
3	Reel Insulators 16 mm. Dia	No	90	2	180	0.1	9	
4	Teak wood meter board 15"X18"	No	1	90	90	10	10	
5	G.I.saddles1 " dia	No	10	10	100	1	10	
6	Digital Energy Meter 3 phase 3 x 25 Amps	No	1	2594	2594	74	74	11(b)
7	Ariel fuse board with fuse 63 A	No	3	180	540	20	60	
8	PVC insulated cable T/C 10Sq.mm.	mts	120	16	1920	2	240	20(a)(v)

Cost of Material..... ₹ 6902.50 ₹ 547

Cost of Erection..... ₹ 547.00

Total..... ₹ 7449.50

Add 1% cess..... ₹ 74.50

Total..... ₹ 7524.00

Add 7.5% establishment charges..... ₹ 558.71

Total..... ₹ 8082.71

Add 5% contingencies..... ₹ 404.14

Total..... ₹ **8487.00**

₹ **0.08 lakhs**

(Rupees Eight Thousand Four Hundred Eighty Seven only)

DATA-28**Standard Estimate to release PS to 3 phase 4 wire Agricultural / Industrial Service connection for a load of upto 6 HP**

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 8 SWG	Kg	2.5	75	187.5	28	70	4(h)
2	Energy meter 1 phase 5-10 Amps	No	1	1291	1291	74	74	11(a)
3	Reel Insulators 16 mm. Dia	No	90	2	180	0.1	9	
4	Teak wood meter board 15"X18"	No	1	90	90	10	10	
5	G.I.saddles 1 " dia	No	10	10	100	1	10	
6	Digital Energy Meter 3 phase 3 x 25 Amps	No	1	2594	2594	74	74	11(b)
7	Ariel fuse board with fuse 63	No	3	180	540	20	60	
8	PVC insulated cable T/C 6 Sq.mm.	mts	60	13	780	2	120	20(a)(iv)
9	PVC insulated cable T/C 10 Sq.mm.	mts	60	16	960	2	120	20(a)(v)

Cost of Material..... ₹ 6722.5

Cost of Erection..... ₹ 547

Total..... ₹ 7269.5

Add 1% cess..... ₹ 72.70

Total..... ₹ 7342.20

Add 7.5% establishment charges..... ₹ 545.21

Total..... ₹ 7887.41

Add 5% contingencies..... ₹ 394.37

Total..... ₹ **8282.00**₹ **0.08 lakhs**

(Rupees Eight Thousand Two Hundred Eighty Two only)

DATA-29**Standard Estimate to release PS to 3 phase 4 wire Agricultural / Industrial Service connection for a load of 15 HP to 50 HP**

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 8 SWG	Kg	2.5	75	187.5	28	70	4(h)
2	Energy meter 1 phase 5-10 Amps	No	1	1291	1291	74	74	11(a)
3	Reel Insulators 16 mm. Dia	No	90	2	180	0.1	9	
4	Teak wood meter board 15"X18"	No	1	90	90	10	10	
5	G.I.saddles 1 " dia	No	10	10	100	1	10	
6	Digital Energy Meter 3 phase 3 x 25 Amps	No	1	2594	2594	74	74	11(b)
7	Ariel fuse board with fuse 63A	No	3	180	540	20	60	
8	PVC insulated cable 4 core 16 Sq.mm.	mts	40	150	6000	46	1840	20(c)(iii)

Cost of Material..... ₹ 10982.5 ₹ 2147

Cost of Erection..... ₹ 2147

Total..... ₹ 13129.5

Add 1% cess..... ₹ 131.30

Total..... ₹ 13260.80

Add 7.5% establishment charges..... ₹ 984.71

Total..... ₹ 14245.51

Add 5% contingencies..... ₹ 712.28

Total..... ₹ **14958.00**₹ **0.15 lakhs**

(Rupees Fourteen Thousand Nine Hundred Fifty Eight only)

DATA-31**Standard Estimate to release PS to 3 phase 4 wire Sevice connection for a load of 9000 WATTS**

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 8 SWG	2.5	Kg	75	187.5	28	70	4(h)
2	Reel Insulators 16 mm. Dia	90	No	2	180	0.1	9	
3	Teak wood meter board 15"X18"	1	No	90	90	10	10	
4	G.I.saddles1 " dia	10	No	10	100	1	10	
5	Digital Energy Meter 3 phase 3 x 25 Amps	1	No	2594	2594	74	74	11(b)
6	Ariel fuse board with fuse 16amps	3	No	40	120	15	45	
7	PVC insulated cable T/C 6 Sq.mm.	60	mts	13	780	2	120	20(a)(iv)

Cost of Material..... ₹ 4051.5 ₹ 338

Cost of Erection..... ₹ 338

Total..... ₹ 4389.5

Add 1% cess..... ₹ 43.90

Total..... ₹ 4433.40

Add 7.5% establishment charges..... ₹ 329.21

Total..... ₹ 4762.61

Add 5% contingencies..... ₹ 238.13

Total..... ₹ **5001.00**₹ **0.05 lakhs**

(Rupees Five Thousand One only)

DATA-32

Standard Estimate to release PS to 1 phase 2 wire Sevice connection for a load above 1500W

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 8 SWG	2.5	Kg	75	187.5	28	70	4(h)
2	Reel Insulators 16 mm. Dia	90	No	2	180	0.1	9	
3	Teak wood meter board 15" x 18"	1	No	90	90	10	10	
3	G.I.saddles1 " dia	10	No	10	100	1	10	
4	Digital Energy Meter 1 phase15 Amps	1	No	1291	1291	74	74	11(a)
5	Ariel fuse board with fuse 16Amps	1	No	40	40	15	15	
6	PVC insulated cable T/C 4 Sq.mm.	60	mts	10	600	2	120	20(a)(iii)

Cost of Material..... ₹ 2488.5 ₹ 308

Cost of Erection..... ₹ 308

Total..... ₹ 2796.5

Add 1% cess.....₹ 27.97

Total..... ₹ 2824.47

Add 7.5% establishment charges..... ₹ 209.74

Total..... ₹ 3034.20

Add 5% contingencies..... ₹ 151.71

Total..... ₹ **3186.00**₹ **0.03 lakhs**

(Rupees Three Thousand One Hundred Eighty Six only)

DATA-33

Standard Estimate to release PS to 1 phase 2 wire Sevice connection for a load of 1500 WATTS

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 8 SWG	2.5	Kg	75	187.5	28	70	4(h)
2	Reel Insulators 16 mm. Dia	90	No	2	180	0.1	9	
3	Teak wood meter board 15"X18"	1	No	90	90	10	10	
4	G.I.saddles1 " dia	10	No	10	100	1	10	
5	Digital Energy Meter 1 phase 15 Amps	1	No	1291	1291	74	74	11(a)
6	Ariel fuse board with fuse	1	No	40	40	20	20	
7	PVC insulated cable T/C 2.5 Sq.mm.	60	mts	7	420	2	120	20(a)(iii)

Cost of Material..... ₹ 2308.5 ₹ 313

Cost of Erection..... ₹ 313

Total..... ₹ 2621.5

Add 1% cess.....₹ 26.22

Total..... ₹ 2647.72

Add 7.5% establishment charges..... ₹ 196.61

Total..... ₹ 2844.33

Add 5% contingencies..... ₹ 142.22

Total..... ₹ **2987.00**₹ **0.03 lakhs**

(Rupees Two Thousand Nine Hundred Eighty Seven only)

DATA-34

Standard Estimate to release PS to 1 phase 2 wire Sevice connection for Low Income group Scheme

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	GI wire 14 SWG	2.5	Kg	75	187.5	28	70	
2	Reel Insulators 16 mm. Dia	90	No	2	180	0.1	9	
3	Teak wood meter board 15"X18"	1	No	90	90	10	10	
4	G.I.saddles1 " dia	10	No	10	100	1	10	
5	Digital Energy Meter 1 phase	1	No	1291	1291	74	74	11(a)
6	Ariel fuse board with fuse	1	No	40	40	15	15	
7	PVC insulated cable T/C 2.5 Sq.mm.	60	mts	7	420	2	120	20(a)(ii)
8	Single Phase MCB 0.5 Amps	1	no	185	185	10	10	
9	Teak wooden Board 6"X8"	1	no	15	15	15	15	
10	G.I. Saddle 1/2 Inch dia	4	nos	8	32	1	4	
11	Piano Type Switch	2	No	15	30	5	10	
12	Angle Lamp holder	2	no	14	28	5	10	
13	SBDP Switch	1	No	78	78	15	15	

Cost of Material..... ₹ 2676.5 ₹ 372

Cost of Erection..... ₹ 372

Total..... ₹ 3048.5

Add 1% cess..... ₹ 30.49

Total..... ₹ 3078.99

Add 7.5% establishment charges..... ₹ 228.64

Total..... ₹ 3307.62

Add 5% contingencies..... ₹ 165.38

Total..... ₹ **3473.00**₹ **0.03 lakhs**

(Rupees Three Thousand Four Hundred Seventy Three only)

DATA -35

Standard estimate for releasing 1 Phase underground service connection for a distance of 40mts.

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	Excavation of trench of size 0.3 x 0.9 x 40 mts in any type of soil including of opening of road etc for laying of cable of size 2core 16sq.mm	Cu.mt	10.8	Not Applicable		146	1576.8	As per GSR-2011, 4005 (a)
2	Supply, transportation to site and laying of 2 core armoured PVC insulated PVC sheathed, aluminium conductor cable of size 2 core 6 sq.mm, 1.1 KV grade as per I.S. standard, with accessories.	Mts	40	60	2400	19	760	20(c)(i)
3	Filling of available excavated earth (excluding rock/stones) in trench, plinth, sides, foundations etc. in layer not exceeding 0.2mts. Depth consolidating each deposited layer by ramming and watering lead up to 25mts. (0.7x0.3x40)	Cu.mt	8.4	Not Applicable		83	697.2	As per GSR-2011, 4012
4	Kaddapa of size 600mm length x 250mm width x 37mm thick as a protective cover for underground cables.	Mts	30	50	1500	Inclusive		26(a)
5	Supply & laying of G.I. Pipe of class B, 50mm dia after inserting 3 1/2 core 16sq.mm at road crossing & restoring the same to the original condition as per MMC/ PWD requirement.	Sq.mts	10	210	2100	10	100	17(b)
6	Sand for cushioning of the cables in the trench.	Cu.mts	2.7	600	1620	83	224.1	26(b)
7	Supply and installing of cable route Markers.	No.	1	116	116	156	156	18(d)
8	Supply and erection of 1 phase energy meter	Nos.	1	1291	1291	74	74	11(a)

Cost of Material..... ₹ 9027 ₹ 3588.1

Cost of Erection..... ₹ 3588.1

Total..... ₹ 12615.1

Add 1% cess..... ₹ 126.15

Total..... ₹ 12741.25

Add 7.5% establishment charges..... ₹ 946.13

Total..... ₹ 13687.38

Add 5% contingencies..... ₹ 684.37

Total..... ₹ **14372.00**₹ **0.14 lakhs**

(Rupees Fourteen Thousand Three Hundred Seventy Two only)

DATA -36

Standard estimate for releasing 3 Phase underground service connection for a distance of 40mts.

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	Excavation of trench of size 0.3 x 0.9 x 40 mts in any type of soil including of opening of road etc for laying of cable of size 4 core 16sq.mm	Cu.mt	10.8	Not Applicable		146	1576.8	As per GSR-2011, 4005 (a)
2	Supply, transportation to site and laying of 4 core armoured PVC insulated PVC sheathed, aluminium conductor cable of size 16 sq.mm, 1.1 KV grade as per I.S. standard, with accessories.	Mts	40	150	6000	46	1840	20(c)(iii)
3	Filling of available excavated earth (excluding rock/stones) in trench, plinth, sides, foundations etc. in layer not exceeding 0.2mts. Depth consolidating each deposited layer by ramming and watering lead up to 25mts. (0.7x0.3x40)	Cu.mt	8.4	Not Applicable		83	697.2	As per GSR-2011, 4012
4	Kaddapa of size 600mm length x 250mm width x 37mm thick as a protective cover for underground cables.	Mts	30	50	1500	Inclusive		26(a)
5	Supply & laying of G.I. Pipe of class B, 50mm dia after inserting 3 1/2 core 16sq.mm at road crossing & restoring the same to the original condition as per MMC/ PWD requirement.	Sq.mts	10	210	2100	10	100	17(b)
6	Sand for cushioning of the cables in the trench.	Cu.mts	2.7	600	1620	83	224.1	26(b)
7	Supply and installing of cable route Markers.	No.	1	116	116	156	156	18(d)
8	Supply and erection of 3 phase energy meter	Nos.	1	2594	2594	74	74	11(b)
				Cost of Material..... ₹	13930	₹	4668.1	
				Cost of Erection..... ₹	4668.1			
				Total..... ₹	18598.1			
				Add 1% cess.....₹	185.98			
				Total..... ₹	18784.08			
				Add 7.5% establishment charges..... ₹	1394.86			
				Total..... ₹	20178.94			
				Add 5% contingencies..... ₹	1008.95			
				Total..... ₹	21188.00			
								₹ 0.21 lakhs
(Rupees Twenty One Thousand One Hundred Eighty Eight only)								

DATA-37

Standard Estimate for providing street light metering.

Sr. No.	Description	Unit	Qty	Cost of Material		Cost of Erection		Rate Reference
				Rate	Amt	Rate	Amt	
1	Street light FRP box.	No	1	2639	2639	186	186	13(a)
2	Single pole MCB 5 to 32 Amps, 240V.	No	3	147	441	19	57	24(f)
3	Electronic Timer.	No	1	3094	3094	74	74	
4	Contactors 3 pole upto 32 Amps	No	1	1650	1650	56	56	
5	3 phase electronic energy meter 3x10 to 60 Amps.	No	1	3790	3790	40	40	
6	Twin core PVC insulated 6sq.mm.	Mts	25	13	325	2	50	20(a)(iv)
7	Earthing	Set	2	2594	5188	74	148	11(b)

Cost of Material..... ₹ 17127 ₹ 611

Cost of Erection..... ₹ 611

Total..... ₹ 17738

Add 1% cess..... ₹ 177.38

Total..... ₹ 17915.38

Add 7.5% establishment charges..... ₹ 1330.35

Total..... ₹ 19245.73

Add 5% contingencies..... ₹ 962.29

Total..... ₹ **20208.00**₹ **0.20**₹ **0.2 lakhs**

(Rupees Twenty Thousand Two Hundred Eight only)