

**ENERGY & POWER DEPARTMENT
GOVERNMENT OF SIKKIM
GANGTOK**

SCHEDULE OF RATES FOR STOCK MATERIALS UPTO 11KV GRADE.

SL. NO	DESCRIPTION OF MATERIALS		UNIT	SOR 17-18
1	CONDUCTORS			
	AAA			
1		GNAT Conductor 16sqmm	Km	19,120.41
2		BIRD Conductor 25sqmm	Km	32,514.61
3		ANT Conductor 30sqmm	Km	40,296.12
4		FLY Conductor 40sqmm	Km	48,355.35
5		BLUE BOTTLE Conductor 45sqmm	Km	55,858.04
6		GRASSHOPPER Conductor 50sqmm	Km	63,917.27
7		WASP Conductor 65sqmm	Km	80,845.71
	A.A.A.C			
1		Weasel 34 sqmm	Km	22,157.63
2		Rabbit 55 sqmm	Km	37,191.67
3		Raccoon 80 sqmm	Km	49,909.22
4		Dog 100 sqmm	Km	62,020.65
	A.C.S.R			
1		SQUIRREL Conductor 20 sqmm, 6/2.11+1/2.11	Km	19,116.00
2		WEASEL Conductor 30 sqmm, 6/2.59+1/2.59	Km	28,733.51
3		RABBIT Conductor 50 sqmm, 6/3.35+1/3.35	Km	48,043.47
4		MINK Conductor 60 sqmm, 6/3.66+1/3.66	Km	57,231.18
5		BEAVER Conductor 70 sqmm, 6/3.99+1/3.99	Km	68,002.53
6		RACCOON Conductor 80 sqmm, 6/4.09+1/4.09	Km	71,371.47
7		DOG Conductor 100 sqm, 6/4.72+7/1.57	Km	92,634.24
8		WOLF Conductor 150 sqmm, 30/2.59+7/2.59	Km	1,53,267.43
9		PANTHER Conductor 200 sqm, 30/3.0+7/3.0	Km	2,02,110.98
10		Zebra conductor 400 , 54/3.18+7/3.18	Km	2,43,110.20
2	CONTROL CABLES			
	Copper Control Cables:			
1		2 Core. 2.5 sqmm. (Armoured)	Km	63,367.35
2		2 Core. 2.5 sqmm. (Unarmoured)	Km	47,186.08
3		4 Core. 2.5 sqmm. (Armoured)	Km	1,14,061.22
4		4 Core. 2.5 sqmm. (Unarmoured)	Km	83,653.71
5		8 Core. 2.5 sqmm. (Unarmoured)	Km	1,59,835.59
6		12 Core. 2.5 sqmm. (Unarmoured)	Km	2,41,265.39
7		12 Core. 2.5 sqmm. (Armoured)	Km	2,66,548.41
8		10 Core. 4 sqmm. (Armoured)	Km	2,41,107.80
9		10 Core. 4 sqmm. (Unarmoured)	Km	2,02,978.29
3	AERIAL BUNCH CABLE			
	11 KV Aerial Bunched Cable (ABC):			
1		3x50 + 1x70 sqmm	Km	5,29,655.92
2		3x70 + 1x70 sqmm	Km	6,20,915.92
3		3x95 + 1x80 sqmm	Km	7,32,358.42
4		3x150 + 1x120 sqmm	Km	9,63,418.03
5		3x185 + 150 sqmm	Km	9,92,060.53
	L.T Aerial Bunched Cable (ABC):			
1		2 x 25 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger	Km	91,468.29
2		2 x 35 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger	Km	92,571.43
3		3 x 25 Sqmm + 1 x 35 Sqmm insulated neutral cum Messenger +1 x 16 sqmm, 1.1 KV	Km	1,24,397.27
4		3 x 35 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 35 sqmm, 1.1 KV	Km	1,33,706.20
5		3 x 35 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 25 sqmm, 1.1 KV	Km	1,31,560.53

6	3 x 50 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 35 sqmm, 1.1 KV	Km	1,67,448.49
7	3 x 70 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 35 sqmm, 1.1 KV	Km	1,99,917.92
8	3 x 70 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 50 sqmm, 1.1 KV	Km	2,09,153.02
9	3 x 95 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 50 sqmm, 1.1 KV	Km	2,44,983.67
10	3 x 95 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 50 sqmm, 1.1 KV (insulated neutral messenger)	Km	2,50,671.31
11	3 x 120 Sqmm + 1 x 16 Sqmm insulated neutral cum Messenger + 1 x 70 sqmm, 1.1 KV	Km	4,16,028.12
12	3 x 120 Sqmm + 1 x 35 Sqmm insulated neutral cum Messenger + 1 x 95 sqmm, 1.1 KV (insulated neutral messenger)	Km	5,31,113.14
4	Heat Shrinkable Outdoor type end termination kit for 6.6 KV(UE)/11 KV (E) SINGLE		
	1	1x50	each
	2	1x120	each
	3	1x185	each
	4	1x300	each
5	Heat Shrinkable Outdoor Straight Thru kit for 6.6 KV(UE)/11 KV (E) SINGLE CORE		
	1	1x50	each
	2	1x120	each
	3	1x185	each
	4	1x300	each
6	A.B CABLE ACCESSORIES		
	1	AB Cable hanging clamps / tension clamps (Galvanized)	No
	2	Suspension Clamps with attachment for L.T cable	No
	3	11 KV Suspension Clamp with attachment for AB Cable	No
	4	11 KV Suspension Clamp (Dead End) with attachment for AB Cable	No
	5	Tension Clamp (Dead End) with attachment for AB Cable	No
	6	Tension Clamp for Dead End for L.T cable	No
	7	Clamps for neutral	No
	8	Clamps for terminal	No
	9	Piercing connector Type-I 1P/3P for single / three phase (Main 16-95 sqmm tap-off 4-50 sqmm)	No
	10	Piercing connector Type-II (Main 25-120 sqmm tap-off 25-50 sqmm)	No
	11	J-Hook for laying of 11 KV and L.T AB cable	No
	12	J-Hook Clamp for laying of 11 KV and L.T AB cable	No
	13	Service Rings full round	No
	14	Service Rings half round	No
	15	Pre insulated mid span (straight through) joints for 25 sqmm and above insulated messenger	No
	16	Pre insulated mid span (straight through) joints for 16 sqmm and above insulated AB Cable	No
	17	Ground connection for Messenger wire	No
	18	Anchor sleeve for messenger wire	No
	19	1.1kv Heatshrinkable outdoor end Termination kit 16-35	kit
	20	1.1kv Heatshrinkable outdoor end Termination kit 50-95	kit
	21	1.1kv Heatshrinkable outdoor end Termination kit 120-185	kit
	22	1.1kv Heatshrinkable Straight Through kit 16-35	kit
	23	1.1kv Heatshrinkable Straight Through kit 50-95	kit
	24	1.1kv Heatshrinkable Straight Through kit 120-185	kit
7	Spring loaded CP multi connection bus bar in insulated box (Distribution box for		
	1	Single Phase 1 in 6 out	No
	2	Single Phase 1 in 9 out	No
	3	Single Phase 1 in 10 out	No
	4	Single Phase 1 in 20 out	No
	5	Three Phase 1 in 3 out	No
	6	Three Phase 1 in 5 out	No
8	INSULATORS & HARDWARES		

1	D' Clamp complete with Pin, Washer, Nuts & Bolts	Set	58.41
2	L.T Shackle insulator 3" x 3, 1/2"	No	67.22
3	11 KV Disc Insulator (Porcelain) 45 KN T/C Type (ABI / Saravanan make or equivalent (anti fog)	No	817.71
4	11 KV Disc Insulator(Porcelain) 70 KN T/C Type (ABI / Saravanan make or equivalent (anti fog)	No	1,089.92
5	11 KV Disc Insulator(Porcelain) 90 KN T/C Type (ABI / Saravanan make or equivalent (anti fog)	No	1,440.37
6	11 KV (45 KN) Polymer Disc insulator	No	244.65
7	11 KV Pin Insulator (Porcelain) with G.I Pin & fittings as required (ABI / Saravanan or equivalent	Set	368.08
8	11 KV (5 KN) Polymer Pin insulator	No	242.45
9	GI Pin for 11 KV Pin insulator	No	76.04
10	11 KV Post Insulator	No	490.41
11	Neutral Connector / Link for House service connection	No	180.00
12	Reel Insulator for Hexagonal Cage.	No	42.00
9	Complete Hardware fittings for 11 KV Disc Insulator T/C Type Suitable For :-		
1	Squirrel Conductor	Set	244.65
2	Rabbit Conductor	Set	253.47
3	Weasel Conductor	Set	244.65
4	Mink Conductor	Set	262.29
5	Beaver Conductor	Set	271.10
6	Raccoon Conductor	Set	271.10
7	Dog Conductor	Set	279.92
8	Wolf Conductor	Set	288.73
9	Panther Conductor	Set	314.08
10	T & D LINE ACCESSORIES		
	P.G Clamp suitable for :-		
1	Squirrel Conductor	No	96.98
2	Weasel Conductor	No	96.98
3	Rabbit Conductor	No	96.98
4	Mink Conductor	No	104.69
5	Beaver Conductor	No	104.69
6	Raccoon Conductor	No	104.69
7	Dog Conductor	No	113.51
8	Wolf Conductor	No	113.51
9	Panther Conductor	No	148.78
	Aluminium Jointing sleeve suitable for :-		
1	Squirrel Conductor	No	88.16
2	Weasel Conductor	No	88.16
3	Rabbit Conductor	No	88.16
4	Mink Conductor	No	96.98
5	Beaver Conductor	No	96.98
6	Raccoon Conductor	No	96.98
7	Dog Conductor	No	113.51
8	Wolf Conductor	No	113.51
9	Panther Conductor	No	139.96
10	Flat Armour Tape	No	
11	CAUTION BOARDS		
1	Danger Board 11000Volts	No	95.36
2	Danger Board 440Volts	No	70.53
3	Danger Board 66000 volts	No	95.88
12	SURGE / LIGHTNING ARRESTORS		
1	9 KV, 5 KA Single pole unit Metal Oxide Gapless Surge Arrestor for 11 KV, 50 c/s solidly earthed neutral system confirming to IS:3070 (Part III) Raychem RPG make or equivalent	No	1,179.18
2	9 KV, 10 KA Single pole unit Metal Oxide Gapless Surge Arrestor for 11 KV, 50 c/s solidly earthed neutral system confirming to IS:3070 (Part III) Raychem RPG make or equivalent	No	2,889.55

	3	G.I tube type 1mtrs. Long lightning arrestor having prongs at the top of the arrestor & base plate with nuts&bolts	No	632.57
13	GANG OPERATED AIR BREAK SWITCHES:			
	1	11 KV, 3 Pole 400amp, Air Break G.O.S tilting type, three insulator per phase, complete with all fittings confirming to IS:9920 & IS: 9921 Raychem RPG make or equivalent	Set	19,464.24
	2	11 KV, 3 Pole 200amp, Air Break G.O.S tilting type, three insulator per phase, complete with all fittings confirming to IS: 9920 & IS: 9921 Raychem RPG make or equivalent	Set	18,686.20
	3	11 KV, 2 Pole 200amp, Air Break G.O.S tilting type, three insulator per phase, complete with all fittings confirming to IS: 9920 & IS: 9921 Raychem RPG make or equivalent	Set	10,900.29
	4	11 KV, 3 Pole, 400 amp. D.O.F Unit complete with all accessories confirming to IS: 9385 Raychem RPG make or equivalent	Set	12,457.47
	5	11 KV, 3 Pole, 200 amp. D.O.F Unit complete with all accessories confirming to IS: 9385 Raychem RPG make or equivalent	Set	11,678.33
	6	11 KV, 2 Pole, 100 amp. D.O.F Unit complete with all accessories confirming to IS: 9385 Raychem RPG make or equivalent	Set	6,228.73
	7	Insulated GOS Rods	No	471.67
	8	11 KV 800 Amp double break centrally operated horizontal AB switch	No	24,123.67
	9	11 KV 400 Amp Horizontal AB switch	No	16,607.76
	10	11 KV 200 Amp Horizontal AB switch	No	8,849.39
	11	Post top Insulator for GOS/DOF	No	534.00
14	ISOLATORS:			
	1	11 KV, 600 Amp with out Earth Switch	No	17,695.47
	2	11 KV, 800 Amp without Earth switch	No	17,759.39
	3	11 KV, 600 Amp with Earth Switch	No	18,898.90
	4	11 KV, 800 Amp with Earth Switch	No	18,898.90
15	STAY SET & GI WIRES			
	1	Guy Assembly complete with 7/10 SWG Stay Wire, 140x85 mm H.T Guy Insulator, 18mm diameter Stay Rod 1.8 mtrs Long with bow thimble, turn buckle & 300x300x6mm anchor plate	Set	2,156.69
	2	Guy Assembly complete with 7/12 SWG Stay Wire, 110x75 mm L.T Guy Insulator, 16mm diameter Stay Rod 1.8 mtrs Long with bow thimble, turn buckle & 150x150x6mm anchor plate	Set	1,170.37
	3	G.I Wire 12 SWG	Kg	75.60
	4	GI Wire 3.15 mm 10 SWG	Kg	76.04
	5	GI Wire 7/1.6 mm 16 SWG	Kg	83.76
	6	GI Wire 4mm 8 SWG	Kg	67.22
	7	Guy Insulators	No	78.24
16	EARTHING			
	Safe Earthing model T-39 short current 50KA rms for 1 sec(EHV) application :-			
	1	80 mm diameter x 2 mtrs. Electrode (copper bonded) & One bag backfill chemical compound.	Set	16,714.65
	2	80 mm diameter x 3 Mtrs. Electrode (Copper Bonded) & two bags backfill chemical compound.	Set	23,972.69
	Safe Earthing model T-19 short current 20KA rms for 1 sec(LV / MV) application :-			
	1	50 mm diameter x 2 mtrs. Electrode (Copper bonded) & One bag backfill chemical compound.	Set	12,195.18
	2	50 mm diameter x 3 Mtrs. Electrode & two bags backfill chemical compound.	Set	18,984.86
	3	Back Fill Chemical Compound	Bag	2,024.45
	Pipe Grounding and other Earthing materials & accessories:-			
	1	GI Grounding pipe, B-Class, 40 mm dia, 2.5 Mtrs long, 2.9 mm thick with nuts, bolt, GI strips and washers complete.	No	833.14
	2	Good quality well burnt Charcoal for grounding purposes packed in non returnable gunny bags of 30 Kg each	Bag	620.45
	3	Good quality Salt for grounding purposes packed in 50 Kg gunny bags	Bag	380.20
	4	Bentonite Clay Slurry for Earthing in 50 Kg bags	Bag	413.27
	5	G.I Earth Spike	No	381.31
	6	G.I reducer socket (Medium gauge) 25x19mm	No	26.45

7	G.I reducer socket (Medium guage) 32x25mm	No	40.78
8	G.I reducer socket (Medium guage)40x32mm	No	51.80
9	G.I reducer socket (Medium guage) 50x40 mm	No	87.06
10	G.I reducer socket (Medium guage) 80x50mm	No	213.80
11	G.I reducer socket (Medium guage) 100x8 mm	No	347.14
12	GI funnel 10"	No	80.45
13	G.I Strips 20x4 mm of 1 Mtr length	No	60.61
14	G.I Strips 25x5 mm of 1 Mtr length	No	79.35
15	G.I Strips 35x6 mm of 1 Mtr length	No	94.78
16	Line Earthing: 25 x 3 mm G.I. Flat with perforated G.I. pipe of 19mm dia x 95 cm. and 38 mm dia x 250 cm combination with Reducer, Funnel and Cover Arrangement as per design to be provided and Salt (80 Kgs) & Charcoal (3 bags) Combination etc.	No	3,493.47
17	Earthing Coil of 115 turns of 50 mm dia and 2.5 Mtr lead of 40 mm GI wire etc., as required.	No	314.08
17	LINE SUPPORTS (POLES)		
1	11 Mtrs. Steel lattice structure of 65x65x6mm M.S Angle complete with nuts & bolts confirming to specification of design detail No. 1/L/FT/E&PD/ 11 Mtrs.		
	i) With Arms	No	30,505.26
	ii) Without Arms	No	27,412.11
2	9 Mtrs. Steel lattice structure of 35x35x6mm M.S Angle complete with nuts & bolts confirming to specification of design detail No. 2/L/FT/E&PD/ 9 Mtrs.	No	13,860.00
3	8.5 Mtrs. Steel lattice structure of 35x35x6mm M.S Angle complete with nuts & bolts confirming to specification of design detail No. 3/L/FT/E&PD/ 8.5 Mtrs.	No	12,260.13
4	8.5 Mtrs. Long 410-SP-18 swaged type steel tubular pole with CI base plate & cap, double part (Nuts & bolts type) working load 120 Kgs	No	16,197.63
5	8.5 Mtrs. Long 410-SP-21 swaged type steel tubular pole with CI base plate & cap, double part (Nuts & bolts type) working load 185 Kgs	No	20,061.71
6	9 Mtrs. Long 410-SP-30 swaged type steel tubular pole with CI base plate & cap, double part (Nuts & bolts type) working load 172 Kgs	No	20,731.97
7	9 Mtrs. Long 410-SP-33 swaged type steel tubular pole with CI base plate & cap, double part (Nuts & bolts type) working load 245 Kgs	No	25,533.95
8	9.5 Mtrs. Long 410-SP-36 swaged type steel tubular pole with CI base plate & cap, double part (Nuts & bolts type) working load 174 Kgs	No	21,316.97
9	9.5 Mtrs. Long 410-SP-39 swaged type steel tubular pole with CI base plate & cap, double part (Nuts & bolts type) working load 248 Kgs	No	26,454.08
10	10 Mtrs. Long 410-SP-47 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 323 Kgs)	No	32,850.00
11	10 Mtrs. Long 410-SP-48 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 352 Kgs)	No	34,634.61
12	11 Mtrs. Long 410-SP-53 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 186 Kgs)	No	27,201.32
13	11 Mtrs. Long 410-SP-56 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 285 Kgs)	No	35,823.55
14	12 Mtrs. Long 410-SP-62 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 261 Kgs)	No	38,497.50
15	12 Mtrs. Long 410-SP-65 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 348 Kgs)	No	46,524.08
16	13 Mtrs. Long 410-SP-68 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 236 Kgs)	No	41,768.29
17	13 Mtrs. Long 410-SP-71 Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate and top canopy i/c stepping bolt for climbing (working load 315 Kgs)	No	49,497.63

18	8 Mtrs. Long 410-SP-10 (BEND TYPE) Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate.	No	10,404.47
19	8.5 Mtrs. Long 410-SP-16 (BEND TYPE) Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate.	No	11,148.16
20	9 Mtrs. Long 410-SP-25 (BEND TYPE) Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate.	No	11,594.61
21	9.5 Mtrs. Long 410-SP-34 (BEND TYPE) Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate.	No	18,133.82
22	10 Mtrs. Long 410-SP-40 (BEND TYPE) Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate.	No	19,026.71
23	11 Mtrs. Long 410-SP-49 (BEND TYPE) Steel Tubular Pole Swaged type as per IS: 2713-1980 complete with base plate.	No	20,810.13
24	H-Beam 13 Mtr 152x152 mm 37.1 Kg/Mtr	No	31,695.39
25	H-Beam 11 Mtr 152x152 mm 37.1 Kg/Mtr	No	26,818.82
26	H-Beam 9 Mtr 152x152 mm 37.1 Kg/Mtr	No	21,943.42
18	STEEL SECTION		
1	10mm TMT Bar FE - 415 SAIL BRAND	Kg	70.72
2	12MM TMT Bar FE - 415 SAIL BRAND	Kg	71.61
3	M.S Angle (ISA 3535) 35X35X6mm SAIL Brand	Kg	70.29
4	M.S Angle (ISA 5050) 50X50X6mm SAIL Brand	Kg	70.29
5	M.S Angle (ISA 6565) 65X65X6mm SAIL Brand	Kg	65.67
6	M.S Channel ISLC75 (75x40x6mm) SAIL Brand	Kg	68.42
7	M.S Channel ISLC 100 (100x50x6.4mm) SAIL Brand	Kg	66.59
8	M.S Flat 50x6mm SAIL Brand	Kg	69.02
9	M.S Nuts & Bolts 16mm diax 40mm full thread	Kg	90.00
10	M.S Bolts with Nut 16x200 / 250 mm	Kg	90.00
11	M.S Bolts with Nut 16x165 mm	Kg	90.00
12	M.S Bolts with Nut 16x90 mm	Kg	90.00
13	DC Cross Arms Centre to centre 100x50x6 mm ISMC Channel (for H Beams supports/ poles)	Set	4,580.53
14	Terminal / Tubular Clamps of 50 x 8 mm Flat with Nuts	No	689.21
15	Back Clamps 75 x 8 mm flat	No	139.74
16	Back Clamp for H-Beam Pole of 65x8 mm MS flat	No	132.63
	Back Clamp for Pole of 50x8 mm MS flat	No	112.00
17	Rails 52 Kg/Mtr	MT.	73,051.58
18	RS Joists 175x85, 19.6 Kg/Mtr	MT.	63,631.18
19	RS Joists 125x75, 19.6 Kg/Mtr	MT.	64,409.21
19	PAINTS		
1	Red Oxide Metal Primer (Nerolac or Equivalent)	Ltr	128.94
2	Aluminium Paint (Nerolac or Equivalent)	Ltr	245.55
20	ANTICLIMBING DEVICE		
1	G.I Barbed Wire	Kg	80.53
21	Conventional RMU Spares (VCB Type):		
1	Bus support Insulator with stem	No	1,327.96
2	CTs from bone type, 11 KV class, 200 - 100/5 A, VA- 15, Class 5P-10	No	22,736.20
3	CTs Resin cast, 11 KV Class, 400-200/5 A, UA-15, Class 5P-10	No	22,736.20
4	Spout grid insulator assembly (back)	No	5,148.73
5	Spout grid insulator assembly (front)	No	5,148.73
6	PT insulator (spout) 3 nos	No	543.31
7	Shunt Trip Coil	No	918.00
8	Closing Coil	No	918.00
9	Plug assembly for grid 800 A, 6 Nos	No	1,914.24
10	Para Plast Compound	No	909.18
11	PT Fuse (NT) 11 KV/ $\sqrt{3}$ Amps without stem, VTF type-11	No	3,439.47
12	Insulated housing	No	33,198.98
13	Switch insulators left/Right/Centre	No	7,228.29
14	Vaccum Interruptor 20 KA	No	29,043.18
15	Flower contact	No	1,291.59
22	Spares for RMU:		
1	Tripping Coli	No	11,328.98

	2	VIP Relay	No	62,307.18
	3	Live Cable indicator	No	4,720.04
	4	11 KV Fault passage Indicator for OH Line	No	17,953.35
23	METERS		No	
	1	Feeder Metering: DLMS Complaint 3 ph 4wire, CT/PT operated fully static and AMR compatible trivector Energy Meter of CTR --/ 1 or 5 A, PTR 11000/110V for panel metering	No	13,758.98
	2	Boundary Metering/ DT HT Metering : DLMS compliant complete with all outdoor equipments & accessories	No	1,65,306.12
	3	DT Metering: DLMS compliant & 3 Phase CT operated multifunction trivector meter complete with all accessories i/c Meter protection / tamper proof box	No	21,489.80
	4	1 Phase Static Energy Meter with six month data downloading facility 10-60 Amp in Polycarbonate Body with Backlit LCD Display	No	2,718.73
	5	3 Phase Static Energy Meter 10-60 Amp with six month data downloading facility in Polycarbonate Body with Backlit LCD Display	No	5,382.00
	6	Single Phase Static Energy Meter- 10-60 Amp Backlit LCD Display, KWH reading only	No	1,742.86
	7	Three Phase Electronic Energy Meter- 10-60 Amp Backlit LCD Display,KWH reading only.		5,148.00
	8	Pre- Payment Energy Meter 1-Phase, 10 - 60 Amp with CIU & STTD	No	9,419.00
	9	Pre-Payment Energy Meter 3-Phase, 10 - 60 Ampwith CIU & STTD	No	12,519.00
	10	For Consumer Metering- 3 Phase 4 Wire 3x63.5 Volts, Ib=5 Amps, I _{max} =10 Amps. HT Trivector meter class of accuracy 0.5s along with GSM (GPRS compatible) Intelligent modems (Store N forward type)	No	15,058.78
	11	Whole Current Meter 5 - 30 Amp, 3 Ph Class 1 accuracy	No	2,652.00
	12	LTCT operated Meter, 10-60 Amp, 3 Ph Class - 1 accuracy	No	3,183.67
	13	11kV Epoxy Resin Cast Pilfer Resistant Metering Cubicle for 3 phase 4 wire metering system (with various ratio CT of accuracy class 0.5) floor mounting outdoor/indoor type aving CT& PT but without energy meter. CTR: 50/5A to 1200/5A Burden: 15VA, PTR: 11KV /110V ,Burden: 50 VA, Class 0.5 A.	Set	1,23,500.00
	14	11kv Combined Resin Cast CTPT Metering Unit for Outdoor Installation,3Phase 4 Wire type of different ratios, Zonal Electroplast Make or equivalent	Set	78,000.00
	15	Three Phase Dual Source Energy meter with AC sensing, MFM of Accuracy class-1,3x240Volt, 50 Hz with optical and Modbus RS 485 Communication port,Backlit LCD Display of rating 10-60A.	No	9,720.00
	16	Three Phase Dual Source CT Operated Energy meter with AC sensing, MFM of Accuracy class-1,3x240Volt, 50 Hz with optical and Modbus RS 485 Communication port,Backlit LCD Display of rating --/5A.	No	10,085.00
	17	11Kv CTPT Units Oil Immersed 3phase 4 wire of different ratios like 5/5 A to 300-100/5A.		65,752.00
	18	Single Phase Electronic counter display Energy Meter,10-60A	No	620.88
	19	Poly Phase Electronic counter display Energy Meter,10-60A	No	943.81
	20	GPRS Modem for AMR System	No	9,450.00
	21	Data Converter Unit (DCU)	No	67,500.00
24	TRANSPARENT POLY CARBONATE BOX FOR METER:-			
	1	For Single Phase Electronic Energy Meter,	No	429.80
	2	Poly Phase Electronic Energy Meter,	No	653.51
	3	Meter Protection / Tamper proof box with busbar for L.T 3 Ph. With C.T Ratio 50/5 Amp, Class 1 accuracy.	No	8,146.29
	4	Meter Protection / Tamper proof box with busbar for L.T 3 Ph. With C.T Ratio 75/5 Amp, Class 1 accuracy.	No	7,564.41
	5	Meter Protection / Tamper proof box with busbar for L.T 3 Ph. With C.T Ratio 100/5 Amp, Class 1 accuracy.	No	7,215.06
25	L.T Current Transformers:			
	1	CT Ratio - 25/5 A, Class 1 accuracy, 3.75 VA, Ring type	No	818.82
	2	CT Ratio - 30/5 A, Class 1 accuracy, 3.75 VA, Ring type	No	818.82
	3	CT Ratio - 50/5 A, Class 1 accuracy, 3.75 VA, Ring type	No	813.31
	4	CT Ratio - 75/5 A, Class 1 accuracy, 3.75 VA, Ring type	No	676.65
	5	CT Ratio - 100/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	676.65
	6	CT Ratio - 150/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	600.61

	7	CT Ratio - 200/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	952.10
	8	CT Ratio - 300/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	952.10
	9	CT Ratio - 400/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	952.10
	10	CT Ratio - 600/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	952.10
	11	CT Ratio - 800/5 A, Class 0.5 accuracy, 3.75 VA, Ring type	No	952.10
26	POTENTIAL TRANSFORMER INDOOR TYPE			
	1	11KV RESIN CAST VOLTAGE TRANSFORMER , PTR:11000/RT3/110/RT3V,CLASS-1,BURDEN :100VA, HSV / IL: 12/28/75KV, VF:1.2 Cont & 1.9 for 8 Hrs, Freq:50Hz, Insulation Class : B, As per IS:3156-1992. Zonal Electroplast/Instrans or equivalent.	No	31,884.24
	2	11KV Draw Out Type Potential Transformer, PTR 11kv /RT3/110V/RT3, Class 1, Burden:100VA, IL 12/28/75KV, VF 1.2 Cont & 1.5 for 30 sec, Freq=50Hz, Complete with HT < fuses. Zonal Electroplast /Instrans or equivalent.	No	31,884.24
27	11 KV CTs Indoor ype			
	1	CT-11KV Resin cast ,CTR, 400:200/1-1 OR 5-5 A, Core 1: Class 1, Burden :- 15 VA, Core 2: Class:- 5P ALF : 20, Burden 15VA., STC 20KA/1Sec, IL: 12/28/75KV Asper IS 2705-1992 , Zonal Electroplast/Instrans and equivalent.	No	19,836.73
	2	CT-11KV Resin cast ,CTR, 300:150/1-1 OR 5-5 A, Core 1: Class 1, Burden :- 15 VA, Core 2: Class:- 5P ALF : 20, Burden 15VA., STC 20KA/1Sec, IL: 12/28/75KV Asper IS 2705-1992 Zonal Electroplast /Instrans or equivalent	No	19,836.73
	3	CT-11KV Resin cast ,CTR, 200:100/ 1-1 OR 5-5 A, Core 1: Class 1, Burden :- 15 VA, Core 2: Class:- 5P ALF : 20, Burden 15VA., STC 20KA/1Sec, IL: 12/28/75KV Asper IS 2705-1992	No	19,836.73
	4	CT FOR 11KV INCOMER PANEL -11KV Resin cast ,CTR, 800:600/ 1-1-1 OR 5-5 A, Core 1: Class 1, Burden :- 15 VA, Core 2: Class:- 5P ALF : 20, Burden 15VA.,Core 3:- Class PS, Min VK 200V, STC 20KA/1Sec, IL: 12/28/75KV Asper IS 2705-1992	No	37,469.39
	5	CT FOR 11KV INCOMER PANEL -11KV Resin cast ,CTR, 800:600/ 1-1-1 OR 5-5 A, Core 1: Class 1, Burden :- 15 VA, Core 2: Class:- 5P ALF : 20, Burden 15VA.,Core 3:- Class PS, Min VK 75V, STC 20KA/1Sec, IL: 12/28/75KV Asper IS 2705-1992	No	35,265.31
	6	Neutral Current Transformer(NCT) , CTR 300- 150/1OR 5 A.		13,224.49
28	11 KV CTs Outdoor ype			
	1	11KV Oil immersed type 200-100/5-5A,CL-0.5		14,881.55
	2	11KV Oil immersed type 600-300/5-5A,CL-0.5,1PS		18,984.40
	3	11KV Dry type 600-300/5-5A,CL-0.5,1PS		21,459.75
29	MCCBs Thermal Adjustable Breaker			
	1	3 pole 415V AC MCCB 63 A with breaking capacity 35KA	No	7,714.29
	2	3 pole 415V AC MCCB 100 A with breaking capacity 35KA	No	8,265.31
	3	3 pole 415V AC MCCB 160 A with breaking capacity 35KA	No	10,474.90
	4	3 pole 415V AC MCCB 200 A with breaking capacity 35KA	No	12,348.37
	5	4 pole 415V AC MCCB 63 A with breaking capacity 35KA	No	10,394.45
	6	4 pole 415V AC MCCB 100 A with breaking capacity 35KA	No	10,394.45
	7	4 pole 415V AC MCCB 160 A with breaking capacity 35KA	No	14,272.53
	8	4 pole 415V AC MCCB 200 A with breaking capacity 35KA	No	17,119.10
	9	3pole 415V AC MCCB 160 A with breaking capacity 50KA	No	15,323.88
	10	3pole 415V AC MCCB 200 A with breaking capacity 50KA	No	17,267.88
	11	3pole 415V AC MCCB 250 A with breaking capacity 50KA	No	15,274.29
	12	3pole 415V AC MCCB 400 A with breaking capacity 50KA	No	22,288.78
	13	3pole 415V AC MCCB 500 A with breaking capacity 50KA	No	27,236.94
	14	3pole 415V AC MCCB 630 A with breaking capacity 50KA	No	28,063.47
	15	4pole 415V AC MCCB 160 A with breaking capacity 50KA	No	14,001.43
	16	4pole 415V AC MCCB 200 A with breaking capacity 50KA	No	17,186.33
	17	4pole 415V AC MCCB 250 A with breaking capacity 50KA	No	20,365.71
	18	4pole 415V AC MCCB 400 A with breaking capacity 50KA	No	29,093.88
	19	4pole 415V AC MCCB 500 A with breaking capacity 50KA	No	33,430.41
	20	4pole 415V AC MCCB 630 A with breaking capacity 50KA	No	36,025.71
	21	Copper Strips (20x4)mm for earth continuity	Kg	838.80
30	ALUMINIUM THIMBLE			
	1	300 sqmm	No	92.57

	2	240 sqmm	No	65.02
	3	185 sqmm	No	38.57
	4	150 sqmm	No	31.96
	5	120 sqmm	No	24.24
	6	95 sqmm	No	16.53
	7	70 sqmm	No	15.43
	8	50 sqmm	No	9.92
	9	35 sqmm	No	6.61
	10	25 sqmm	No	6.61
	11	16 sqmm	No	5.51
31	ACDB & DCDB CUBICLE:			
	1	415V ACDB totally enclosed metal clad type complete with copper bus bar, cable socket , 400A MCCB for incoming and required MCB of 32A DP, 64A FP for outgoing to 66KV & 11KV CR panel in control room	No	1,17,807.06
	2	110V DCDB totally enclosed metal clad type complete with copper bus bar, cable socket , 200A MCCB for incoming and required MCB of 32A DP, 64A FP for outgoing to 66KV & 11KV CR panel in controlroom.	No	1,17,807.06
	3	48/32/24V DCDB totally enclosed metal clad type complete with copper bus bar, cable socket ,100A MCCB for incoming and required MCB of 32A -10Nos DP, 64A FP- 10 Nos, 10/20 A DP-10Nos for outgoing to 11KV CR panel in controlroom.		94,245.65
32	STREET LIGHT FITTINGS			
	1	250 W Sodium vapour fitting complete with all accessories i/c arms / brackets etc.	Set	8,722.90
	2	70 W Sodium vapour fitting complete with all accessories i/c arms / brackets etc.	Set	4,943.02
	3	LED Street Light 90watt complete set	Set	18,251.76
	4	LED Street Light 120watt complete set	Set	21,877.53
	5	Greenline DUO Philips: LED 90 Watt Street light fittings complete with all accessories i/c earth connector & lead. (BRP 320 LED)	Set	26,530.61
	6	Roadway Lighting: OPTAL 2 (1x 150 W SON-T) LHRS 23115A36, 150 W (havells)	Set	7,022.12
	7	Astronomical Time switch including contactor (100 Amp) with panel.	No	33,959.18
	8	Simple Time Switch of Siemens or equivalent make for street light control. (20 x 70watt HPSV or equivalent).	No	2,581.00
	9	Polycarbonate junction box with bus bar arrangement and 6 Amp MCB (Street lights)	No	798.04
33	CABLES			
	6.6 KV (UE) / 11 KV XPLE Insulated Steel Wire Armoured cable with Aluminium Conductor confirming to IS:7098 Part-II:			
	1	3 X 35 sqmm	Mtr	1,028.70
	2	3 x 50 sqmm	Mtr	1,163.70
	3	3 x 70 sqmm	Mtr	1,391.85
	4	3 x 95 sqmm	Mtr	1,649.70
	5	3 x 120 sqmm	Mtr	1,880.55
	6	3 x 150 sqmm	Mtr	2,133.00
	7	3 x 185 sqmm	Mtr	2,473.20
	8	3 x 240 sqmm	Mtr	3,040.20
	9	3 x 300 sqmm	Mtr	3,503.25
	10	3 x 400 sqmm	Mtr	4,233.60
	11	1 x 240 sqmm	Mtr	1,232.76
	12	1 x 300 sqmm	Mtr	1,434.08
	13	1 x 400 sqmm	Mtr	1,691.05
	1.1 KV PVC /XLPE Insulated SWA Heavy Duty Power Cables for working voltage upto & including			
	2 CORE			
	1	2 Core x 4 sqmm	Mtr	110.84
	2	2 Core x 6 sqmm	Mtr	140.40
	3	2 Core x 10 sqmm	Mtr	171.45
	4	2 Core x 16 sqmm	Mtr	193.05
	5	2 Core x 25 sqmm	Mtr	209.25
	6	2 Core x 35 sqmm	Mtr	256.50
	7	2 Core x 50 sqmm	Mtr	328.05

8	2 Core x 70 sqmm	Mtr	427.95
9	2 Core x 95 sqmm	Mtr	556.20
10	2 Core x 120 sqmm	Mtr	666.90
11	2 Core x 150 sqmm	Mtr	804.60
12	2 Core x 185 sqmm	Mtr	984.15
13	2 Core x 240 sqmm	Mtr	1,255.50
14	2 Core x 300 sqmm	Mtr	1,536.30
15	2 Core x 400 sqmm	Mtr	1,919.70
16	2 Core x 500 sqmm	Mtr	2,397.60
17	2 Core x 630 sqmm	Mtr	3,084.75
	3 CORE		-
1	3 Core x 4 sqmm	Mtr	121.23
2	3 Core x 6 sqmm	Mtr	160.65
3	3 Core x 10 sqmm	Mtr	197.10
4	3 Core x 16 sqmm	Mtr	222.75
5	3 Core x 25 sqmm	Mtr	279.45
6	3 Core x 35 sqmm	Mtr	342.90
7	3 Core x 50 sqmm	Mtr	445.50
8	3 Core x 70 sqmm	Mtr	583.20
9	3 Core x 95 sqmm	Mtr	768.15
10	3 Core x 120 sqmm	Mtr	932.85
11	3 Core x 150 sqmm	Mtr	1,131.30
12	3 Core x 185 sqmm	Mtr	1,377.00
13	3 Core x 240 sqmm	Mtr	1,780.65
14	3 Core x 300 sqmm	Mtr	2,182.95
15	3 Core x 400 sqmm	Mtr	2,741.85
16	3 Core x 500 sqmm	Mtr	3,457.35
17	3 Core x 630 sqmm	Mtr	4,504.95
	3.5 CORE		-
1	3.5 Core x 25 sqmm	Mtr	330.75
2	3.5 Core x 35 sqmm	Mtr	388.80
3	3.5 Core x 50 sqmm	Mtr	514.35
4	3.5 Core x 70 sqmm	Mtr	673.65
5	3.5 Core x 95 sqmm	Mtr	888.30
6	3.5 Core x 120 sqmm	Mtr	1,096.20
7	3.5 Core x 150 sqmm	Mtr	1,297.35
8	3.5 Core x 185 sqmm	Mtr	1,609.20
9	3.5 Core x 240 sqmm	Mtr	2,058.75
10	3.5 Core x 300 sqmm	Mtr	2,520.45
11	3.5 Core x 400 sqmm	Mtr	3,169.80
12	3.5 Core x 500 sqmm	Mtr	3,994.65
13	3.5 Core x 630 sqmm	Mtr	5,112.45
	4 CORE		-
1	4 Core x 2.5 sqmm	Mtr	128.93
2	4 Core x 4 sqmm	Mtr	137.43
3	4 Core x 6 sqmm	Mtr	193.05
4	4 Core x 10 sqmm	Mtr	207.90
5	4Core x 16 sqmm	Mtr	261.90
6	4 Core x 25 sqmm	Mtr	348.30
7	4 Core x 35 sqmm	Mtr	433.35
8	4 Core x 50 sqmm	Mtr	567.00
9	4 Core x 70 sqmm	Mtr	746.55
10	4 Core x 95 sqmm	Mtr	996.30
11	4 Core x 120 sqmm	Mtr	1,212.30
12	4 Core x 150 sqmm	Mtr	1,464.75
13	4 Core x 185 sqmm	Mtr	1,803.60
14	4 Core x 240 sqmm	Mtr	2,327.40
15	4 Core x 300 sqmm	Mtr	2,862.00
16	4 Core x 400 sqmm	Mtr	3,613.95
17	4 Core x 500 sqmm	Mtr	4,608.90

	18	4 Core x 630 sqmm	Mtr	6,018.30
34	CABLE TERMINATION / ST. THRU KIT			
	Heat Shrinkable Straight Through jointing kit for 11KV (E) 3 core XLPE (Kit No. EPKJ 3115-3118)			
	i.	3 C X 400 - 500 SQMM	Kit	42,417.00
	ii.	3 C X 240 -300SQMM	Kit	33,669.00
	iii.	3 C X 120-185 SQMM	Kit	29,443.50
	iv.	3 C X 70-95 SQMM	Kit	26,939.25
	vi.	3 C X 16-50 SQMM	Kit	24,630.75
	Heat Shrinkable Outdoor type end termination kit for 6.6 KV(UE)/11 KV (E) 3 core XLPE (Kit			
	1	3 C X 400 sqmm EPKT 3382	Kit	13,216.50
	2	3 C X 300 sqmm EPKT 3372	Kit	13,216.50
	3	3 C X 240 sqmm EPKT 3372	Kit	13,216.50
	4	3 C X 185 sqmm EPKT 3362	Kit	11,610.00
	5	3 C X 150 sqmm EPKT 3362	Kit	11,610.00
	6	3 C X 120 sqmm EPKT 3362	Kit	11,610.00
	7	3 C X 95 sqmm EPKT 3352	Kit	8,910.00
	8	3 C X 70 sqmm EPKT 3352	Kit	8,910.00
	9	3 C X 50 sqmm EPKT 3352	Kit	8,910.00
	10	3 C X 35 sqmm EPKT 3342	Kit	8,532.00
	11	3 C X 25 sqmm EPKT 3342	Kit	8,532.00
	12	3 C X 16 sqmm EPKT 3342	Kit	8,532.00
	Heat Shrinkable Indoor type end termination kit for 6.6 KV(UE)/ 11 KV (E) 3 core XLPE (Kit			
	1	3 C X 400 sqmm EPKT 3131	Kit	10,921.50
	2	3 C X 300 sqmm EPKT 3121	Kit	10,921.50
	3	3 C X 240 sqmm EPKT 3121	Kit	10,921.50
	4	3 C X 185 sqmm EPKT 3111	Kit	9,315.00
	5	3 C X 150 sqmm EPKT 3111	Kit	9,315.00
	6	3 C X 120 sqmm EPKT 3111	Kit	9,315.00
	7	3 C X 95 sqmm EPKT 3101	Kit	7,519.50
	8	3 C X 70 sqmm EPKT 3101	Kit	7,519.50
	9	3 C X 50 sqmm EPKT 3101	Kit	7,519.50
	10	3 C X 35 sqmm EPKT 3091	Kit	7,141.50
	11	3 C X 25 sqmm EPKT 3091	Kit	7,141.50
	12	3 C X 16 sqmm EPKT 3091	Kit	7,141.50
35	CABLE JOINTING/END TERMINATION KITS			
	L.T 1.1 KV Indoor / Outdoor end termination kit for PVC/ XLPE Cables 2,3 &1/2 core (DENSION):			
	1	2x10x16, 3x10 sqmm	Kit	264.49
	2	2x35, 3x25 & 3.5x25sqmm	Kit	327.31
	3	3x50 & 3.5x35sqmm	Kit	350.45
	4	3.5 x 50 sqmm	Kit	350.45
	5	3.5 x 70 sqmm	Kit	412.16
	6	3.5 x 95 sqmm	Kit	412.16
	7	3.5 x 120 sqmm	Kit	584.08
	8	3.5 x 150 sqmm	Kit	584.08
	9	3.5 x 185 sqmm	Kit	584.08
	10	3.5 x 225 sqmm	Kit	584.08
	11	3.5 x 240 sqmm	Kit	724.04
	12	3.5 x 300 sqmm	Kit	724.04
	13	3.5 x 400 sqmm	Kit	942.24
	14	3.5 x 500 sqmm	Kit	942.24
	15	3.5 x 630 sqmm	Kit	1,362.12
36	L.T 1.1 KV Straight through jointing kit for PVC/ XLPE cables 2,3 &1/2 core (DENSION):			
	1	2x10x16, 3x10 sqmm	Kit	599.51
	2	2x35, 3x25 & 3.5x25sqmm	Kit	700.90
	3	3x50 & 3.5x35sqmm	Kit	887.14
	4	3.5 x 50 sqmm	Kit	988.53
	5	3.5 x 70 sqmm	Kit	1,191.31
	6	3.5 x 95 sqmm	Kit	1,214.45

	7	3.5 x 120 sqmm	Kit	1,514.20
	8	3.5 x 150 sqmm	Kit	1,892.20
	9	3.5 x 185 sqmm	Kit	1,969.35
	10	3.5 x 225 sqmm	Kit	1,977.06
	11	3.5 x 240 sqmm	Kit	2,530.29
	12	3.5 x 300 sqmm	Kit	2,927.02
	13	3.5 x 400 sqmm	Kit	3,534.24
	14	3.5 x 500 sqmm	Kit	4,850.08
	15	3.5 x 630 sqmm	Kit	5,940.00
37	U PVC /RCC HUME PIPE AND ITS ACCESSORIES			
	6	50 mm Rigid U PVC pipe as per IS 4985-2000 working pressure 6 kgf/sqcm	Mtr	165.00
	5	75 mm Rigid U PVC pipe as per IS 4985-2000 working pressure 6 kgf/sqcm	Mtr	364.00
	1	80 mm Rigid U PVC pipe as per IS 4985-2000 working pressure 4 kgf/sqcm	Mtr	403.00
	4	90 mm Rigid U PVC pipe as per IS 4985-2000 working pressure 6 kgf/sqcm	Mtr	520.00
	3	110 mm Rigid U PVC pipe as per IS 4985-2000 working pressure 6 kgf/sqcm	Mtr	747.00
	2	160 mm Rigid U PVC pipe as per IS 4985-2000 working pressure 6 kgf/sqcm	Mtr	1,593.00
	7	PVC Bends 50/75 mm dia	No	106.58
	8	PVC Bends 80 /90 mm dia	No	124.34
	9	PVC Bends 110 mm dia	No	260.53
	10	PVC Bends 160 mm dia	No	325.66
	11	RCC Hume Pipe 2000 mm long 150 mm dia with collars as required.	No	540.00
	12	RCC Hume Pipe 2000 mm long 200 mm dia with collars as required.	No	682.11
38	Feeder Pillars:- Outdoor type cubicle			-
	1	1 no- 400 Amp, 50 KA Breaking capacity 415 Volts TP MCCB with Copper neutral link 1 set - 500 Amp rating TPN Al busbar, 2 nos 100 Amp & 1 nos of 200 Amp 35 KA FP MCCB & 4 Nos 32 A DP MCB with complete internal wiring.	No	72,183.67
	2	1 no- 200 Amp, 50 KA Breaking capacity 415 Volts TP MCCB with Copper neutral link 1 set - 500 Amp rating TPN Al busbar, 1 nos 100 Amp & 1 nos of 63 Amp 35 KA FP MCCB & 4 Nos 32 A DP MCB with complete internal wiring.	No	60,391.84
	3	1 no- 160 Amp, 50 KA Breaking capacity 415 Volts TP MCCB with Copper neutral link 1 set - 500 Amp rating TPN Al busbar, 1 nos 63 Amp & 1 nos of 32 Amp 35 KA FP MCCB & 3 Nos 32 A DP MCB with complete internal wiring.	No	58,308.98
	4	1 no- 100 Amp, 50 KA Breaking capacity 415 Volts TP MCCB with Copper neutral link 1 set - 500 Amp rating TPN Al busbar, 10 Nos 10-32 A DP MCB with complete internal wiring.	No	55,811.76
	5	1 no- 125 Amp, 35 KA Breaking capacity at 415 Volts TP MCCB with Copper neutral link 1 set - 200 Amp rating TPN Alm busbar, 24 nos 32 Amp, 500 Volt Porcelain / DMC / bakelite rewirable type fuse carrier & base complete.	No	47,475.92
	6	1 no- 125 Amp, 16 KA Breaking capacity at 415 Volts TP MCCB with Copper neutral link 1 set - 200 Amp rating TPN Al busbar, 30 nos 32 Amp, 500 Volt Porcelain / DMC / bakelite rewirable type fuse carrier & base complete.	No	49,591.84
	7	1 no- 160 Amp, 16 KA Breaking capacity at 415 Volts TP MCCB with Copper neutral link 1 set - 200 Amp rating TPN Alm busbar, 24 nos 63 Amp, 500 Volts Porcelain / DMC / bakelite rewirable type fuse carrier & base complete	No	52,897.96
	8	1 no- 160 Amp, 16 KA Breaking capacity at 415 Volts TP MCCB with Copper neutral link 1 set - 250 Amp rating TPN Alm busbar, 10 nos 40 Amp, 10 KA Breaking capacity DP MCB complete	No	59,774.69
39	11 KV SWITCHGEAR:			
	1	11 KV, 800 Amp indoor VCB Panels with indoor horizontal isolation, horizontal draw outs complete with vacuum interrupters, motor / manual operated spring charger mechanism, trip closing coils, NO+NC auxilliary contacts, anti pumping devices, mechanical counters and mechanical spring position indicator complete with provision of parts, sub elements, CTs + PTs , Numerical relay, meters and all accessories :		
		i) Incomer	No	7,57,782.00
		ii) Bus Coupler	No	6,44,115.31
		iii) Outgoing Feeders	No	6,44,115.31

2	11 KV , 500 MVA (1600 Amp, for two incomer & two capacitor bank and 1250 Amp for Eight feeders) Indoor type switchgear comprising 2 IC + 10 OGF + 1 BC + 2 AP VCBs all of 25 KA rupturing capacity along with all metering and protection devices.	Set	92,32,512.24
3	11 KV 500 MVA (1600 Amp, for one incomer & one capacitor bank and 1250 Amp for Four feeders) Indoor type switchgear comprising 1 IC + 5F + 1 BC + 1AP VCBs all of 25 KA rupturing capacity. along with all metering and protection devices.	Set	48,74,000.33
4	11 KV 500 MVA (1600 Amp incomer & 1250 Amp for feeders) Outdoor type switchgear comprising 2 IC + 12F + 1 BC + 1 AP3 VCBs. along with all metering and protection devices.	Set	102,63,139.71
5	11 KV 500 MVA (1600 Amp incomer & 1250 Amp for feeders) Outdoor type switchgear comprising 2 IC + 8F + 1 BC + 1 AP3 VCBs. along with all metering and protection devices.	Set	89,36,150.33
6	11 KV 500 MVA (1250 Amp incomer & 800 Amp for feeders) Outdoor type switchgear comprising 2 IC + 6F + 1 BC + 1 AP3 VCBs. along with all metering and protection devices.	Set	75,21,125.51
7	11 KV 350 MVA, 800 Amp, MCVCB Outdoor type switchgear comprising 1 IC + 5F + 1 AP3. along with all metering and protection devices.	Set	41,13,825.80
40	11 KV Kiosk		-
1	12 KV, 630 Amp, 16 KA Outdoor PC VCB Kiosk	No	4,72,407.43
2	12 KV, 350 MVA, 800 Amp, Outdoor Kiosk comprising of 1 IC+4F+1AP3 PC VCB.	Set	29,63,220.24
41	11 KV RING MAIN UNIT (RMU)		-
	Conventional RMUs (VCB Type) DAS compatible:		-
1	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing) with DAS specification	Set	16,26,723.55
2	4 Way RMU, 2OD + 2 VL (One Incomer + Two breaker + One Outgoing) with DAS specification	Set	21,28,811.14
3	5 Way RMU, 2OD + 3 VL (One Incomer + Three breaker + One Outgoing) with DAS specification	Set	26,30,910.86
4	6 Way RMU, 2OD + 4 VL (One Incomer + Four breakers + One Outgoing) with DAS specification	Set	31,32,998.45
5	Single I/C with DAS specification	Set	4,41,511.71
6	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing)	Set	19,85,938.16
7	4 Way RMU, 2OD + 2 VL (One Incomer + Two breaker + One Outgoing)	Set	19,21,105.10
8	5 Way RMU, 2OD + 3 VL (One Incomer + Three breaker + One Outgoing) 350 MVA, 800 Amps with Al. busbar	Set	15,96,490.16
9	5 Way RMU, 2OD + 3 VL (One Incomer + Three breaker + One Outgoing) 350 MVA, 800 Amps with Al. busbar	Set	7,51,700.94
42	Conventional RMUs OD:		-
1	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing) 350 MVA, 800 Amps with Cu busbar	Set	11,91,830.69
2	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing) 350 MVA, 800 Amps with Al. busbar	Set	11,44,189.47
iii.	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing) 250 MVA, 400 Amps VCB type with Cu busbar	Set	11,01,300.24
iv.	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing) 250 MVA, 400 Amps VCB type with Al. busbar	Set	10,62,286.90
43	Compact RMUs (VCB / SF6 Type) with Al. Busbar:		-
1	3 Way RMU, 2OD + 1 VL (One Incomer + One breaker + One Outgoing) 350 MVA, 650 Amps.	Set	8,96,397.80
2	4 Way RMU, 2OD + 2 VL (One Incomer + Two breaker + One Outgoing) 350 MVA, 650 Amps.	Set	12,73,305.67
3	5 Way RMU, 2OD + 3 VL (One Incomer + Three breaker + One Outgoing) 350 MVA, 650 Amps	Set	16,43,499.92
44	COMPACT PRE-FABRICATED PACKAGED SUBSTATION 11 KV / 433 V		-

	Packaged Sub-Stations 11/0.433 KV consisting of 3 Way SF6 / VCB insulated compact RMU, Oil cooled / Dry type copper wound transformer and L.T section with One ACB as Incoming and 3 nos Outgoing MCCB feeders and with encloser made of electromechanically Galvanized:-			
	1	With 100 KVA Oil cooled transformer	No	14,35,782.86
	2	With 250 KVA Oil cooled transformer	No	18,90,783.55
	3	With 500 KVA Oil cooled transformer	No	25,46,512.16
	4	With 750 KVA Oil cooled transformer	No	30,61,430.82
	5	With 990 KVA Oil cooled transformer	No	35,76,350.57
	6	With 100 KVA Dry type transformer	No	14,98,977.18
	7	With 250 KVA Dry type transformer	No	20,42,450.82
	8	With 500 KVA Dry type transformer	No	28,03,970.94
	9	With 750 KVA Dry type transformer	No	34,35,919.71
	10	With 990 KVA Dry type transformer	No	40,44,458.94
45	BATTERY & CHARGER			-
	1	VRLA 110VDC,200 Ah Battery Bank and 110 V DC output Float cum Boost charging Battery Charger with 3 phase input voltage.	Set	3,33,670.41
	2	VRLA 24/32/48 VDC, 50/100 Ah Battery Bank and 24/32/48 VDC output Float cum Boost charging Battery Charger with 3 phase input voltage.	Set	2,65,040.82
	3	24/30 Volts 100 AH Lead Acid Battery	Set	37,787.88
	4	24/30 Volts - 10-20 Amp Battery Charger	No	13,565.02
46	CAPACITOR BANK			-
	11 KV Capacitor:			-
	1	600 KVAR S/S mounted with capacitor switch and associated accessories (fixed type).	No	3,25,763.27
	2	1200 KVAR S/S with all associated equipment i.e., Cap. Units, VCB, CT, RVT, LA, Isolator & structure for equipment type i/c protection (auto type)	No	6,92,599.59
	DTR Capacitor Bank:			-
	1	For 25 KVA (4 KVAR)	No	1,895.51
	2	For 63 KVA (8 KVAR)	No	3,721.59
	3	For 100 KVA (12 KVAR)	No	4,437.92
	4	For 200 - 250 KVA (50 KVAR)	No	30,367.84
	5	For 315-400 KVA (54 KVAR)	No	50,938.53
	6	For 500 KVA (84 KVAR)	No	50,938.53
47	DISTRIBUTION TRANSFORMER (BEE 3 STAR RATED FOR UPTO 200 KVA)			
	50 HZ, DYn11, ONAN Cooled, out- door type distribution transformer confirming to IS:2026/1977 ,			
	a	Open bushing type		
	1	1250 KVA, 11/ 0.433 KV, Copper Wound	No	19,42,543.42
	2	1000 KVA, 11/ 0.433 KV, Copper Wound	No	16,15,783.03
	3	750 KVA , 11/ 0.433 KV, Copper Wound	No	14,11,307.76
	4	630 KVA, 11/ 0.433 KV, Copper Wound	No	11,26,826.05
	5	500 KVA, 11/ 0.433 KV, Copper Wound	No	9,35,690.92
	6	400 KVA, 11/ 0.433 KV, Copper Wound	No	7,62,330.79
	7	315 KVA, 11/ 0.433 KV, Copper Wound	No	6,73,417.89
	8	250 KVA, 11/ 0.433 KV, Copper Wound	No	5,75,637.63
	9	160 KVA, 11/ 0.433 KV, Copper Wound (BEE 3 STAR RATED)	No	4,48,950.79
	10	200 KVA, 11/ 0.433 KV, Copper Wound (BEE 3 STAR RATED)	No	5,08,957.11
	11	100 KVA, 11/ 0.433 KV, Copper Wound (BEE 3 STAR RATED)	No	3,17,379.08
	12	500 KVA, 11/ 0.433 KV, Aluminium Wound	No	8,58,789.47
	13	400 KVA, 11/ 0.433 KV, Aluminium Wound	No	6,81,430.26
	14	315 KVA, 11/ 0.433 KV, Aluminium Wound	No	5,66,302.50
	15	250 KVA, 11/ 0.433 KV, Aluminium Wound	No	5,00,960.13
	16	200 KVA, 11/ 0.433 KV, Aluminium Wound (BEE 3 STAR RATED)	No	4,01,390.53
	17	100 KVA, 11/ 0.433 KV, Aluminium Wound (BEE 3 STAR RATED)	No	2,20,920.39
	b	Cable Entry type		-
	1	1250 KVA, 11/ 0.433 KV, Copper Wound	No	20,20,245.39
	2	1000 KVA, 11/ 0.433 KV, Copper Wound	No	16,80,414.87
	3	750 KVA , 11/ 0.433 KV, Copper Wound	No	14,67,760.26
	4	630 KVA, 11/ 0.433 KV, Copper Wound	No	11,71,899.47

5	500 KVA, 11/ 0.433 KV, Copper Wound	No	9,73,119.08
6	400 KVA, 11/ 0.433 KV, Copper Wound	No	7,92,824.21
7	315 KVA, 11/ 0.433 KV, Copper Wound	No	7,00,355.13
8	250 KVA, 11/ 0.433 KV, Copper Wound	No	5,98,663.42
50 HZ, DYN11, ONAN Cooled, out- door / indoor type distribution transformer confirming to IS:2026			-
1	63 KVA, 11/ 0.433 KV, Copper Wound (BEE 3 STAR RATED)	No	2,44,256.45
2	25 KVA, 11/ 0.433 KV, Copper Wound (BEE 3 STAR RATED)	No	1,40,019.87
3	16 KVA, 11/ 0.433 KV, Copper Wound (BEE 3 STAR RATED)	No	1,12,015.66
4	16 KVA, 11/ 0.433 KV, Aluminium Wound (BEE 3 STAR RATED)	No	88,679.61
5	10 KVA, 11/ 0.250 KV, Copper Wound	No	73,121.45
6	16 KVA, 11/ 0.250 KV, Copper Wound (BEE 3 STAR RATED)	No	1,01,125.66
" HOMAC" Brand 50 HZ, Dyn11, ONAN Cooled, out-door / indoor type distribution transformer conf			-
1	25 KVA, 11/ 0.433 KV, Aluminium Wound	No	66,078.95
2	63 KVA, 11/ 0.433 KV, Aluminium Wound	No	1,17,473.68
3	16 KVA, 11/ 0.250 KV, Aluminium Wound	No	46,989.47
4	10 KVA, 11/ 0.250 KV, Aluminium Wound	No	36,710.53
50 HZ, Dyn 11, DRY TYPE, Three Phase Distribution transformer confirming to IS:11171 & 2026			-
1	1250 KVA, 11/0.433 KV	No	20,45,131.58
2	1000 KVA, 11/0.433 KV	No	16,37,407.89
3	630 KVA, 11/0.433 KV	No	11,34,592.11
4	500 KVA, 11/0.433 KV	No	6,79,973.68
5	250 KVA, 11/0.433 KV	No	8,00,076.32
6	100 KVA, 11/0.433 KV	No	4,69,142.76
7	63 KVA, 11/0.433 KV	No	3,57,468.16
8	25 KVA, 11/0.433 KV	No	2,88,402.63
48	L.T SWITCH BOARDS AND DISTRIBUTION PANELS:		-
1	L.T distribution switch board, out-door type Kiosk, 1600 Amp ,having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti- rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 1No 1600 Amp ,415 Volt,50 KA, Draw Out type ACB with microprocessor Release (IPR E 4 Pole) . OUTGOING:- 2 Nos. 630 Amp TP MCCB breaking capacity 50 KA, 1 No. 200 Amp TP MCCB breaking capacity 35 KA & 1 No. 100 Amp. TP MCCB breaking capacity 35 KA 1 No. 63 Amp. TP MCCB breaking capacity 35 KA all with built in Thermo Magnetic Release	No	4,45,290.61
2	L.T distribution switch board, out-door type Kiosk, 1250 Amp ,having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti- rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 1 No. 1250 Amp, 415 Volt, 50 KA bc, Draw Out type ACB with microprocessor Release (IPR E 4 Pole). OUTGOING:- 1 Nos. 630 Amp TP MCCB breaking capacity 50 KA, 2 No. 200 Amp TP MCCB breaking capacity 35 KA,1 No. 100 Amp. TP MCCB breaking capacity 35 KA & 1 No. 63 Amp. TP MCCB breaking capacity 35 KA all with built in Thermo Magnetic Release	No	3,75,806.94

3	<p>L.T distribution switch board, out-door type Kiosk, 1000 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti- rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 1 No. 1000 Amp, 415 Volt, 50 KA bc, Draw Out type ACB with microprocessor Release (IPR E 4 Pole). OUTGOING:- 2 Nos. 400 Amp TP MCCB breaking capacity 35 KA, 1 No. 100 Amp TP MCCB breaking capacity 35 KA & 1 No. 63 Amp. TP MCCB breaking capacity 35 KA all with built in Thermo Magnetic Release.</p>	No	3,69,012.86
4	<p>L.T distribution switch board, out-door type Kiosk, 800 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti- rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- No. 800 Amp, 415 Volt, FP, manually Draw Out type ACB with in built Thermo Magnetic Release & 6No+6Nc Auxilliary contacts. OUTGOING:- 3 Nos. 200 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release, 1 No. 100 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release & 1 No. 63 Amp. TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release.</p>	No.	3,55,617.55
5	<p>L.T distribution switch board, out-door type Kiosk, 630 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti- rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- No. 630 Amp, 415 Volt, FP, manually Draw Out type ACB with in built Thermo Magnetic Release & 6No+6Nc Auxilliary contacts. OUTGOING:- 2 Nos. 200 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release, 1 Nos. 100 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release & 2 No. 63 Amp. TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release.</p>	No.	3,39,194.94
6	<p>L.T distribution switch board, out-door type Kiosk, 400 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti- rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 400 Amp, 415V, FP MCCB breaking capacity 50 KA with built in Thermo Magnetic Release. OUTGOING:- 1 Nos. 200 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release, 1 Nos. 100 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release & 2 Nos. 63 Amp. TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release.</p>	No.	1,56,244.04

7	L.T distribution switch board, out-door type Kiosk, 200 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti-rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 200 Amp, 415V, FP MCCB breaking capacity 50 KA with built in Thermo Magnetic Release. OUTGOING:- 1 Nos. 100 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release, 1 No.. 63 Amp TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release & 1 No. 32 Amp. TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release.	No.	1,13,386.78
8	L.T distribution switch board, out-door type Kiosk, 100 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti-rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 1 Nos. 100 Amp, 415V, FP MCCB breaking capacity 50 KA with built in Thermo Magnetic Release. OUTGOING:- 3 Nos. 32 Amp. TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release	No.	71,784.73
9	L.T distribution switch board, out-door type Kiosk, 63 Amp, having electrolytic annealed copper bus bar 50x12mm for phase & 50x6mm for neutral circuits mounted on glazed porcelain or bakelite base & fitted with voltmeter, ammeter, selector switches for ammeter & voltmeter, electronic KWH meter, indicating lamps cabin light, fabricated with 12 gauge M.S plain sheet, painted with anti-rust primer & two coats of Epoxy paint of shade 631 as per IS: 5, front opening doors with gasket & locking arrangement complete with following incoming & outgoing controls: INCOMING:- 1 Nos. 63 Amp, 415V, FP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release. OUTGOING:- 2 Nos. 32 Amp. TP MCCB breaking capacity 35 KA with built in Thermo Magnetic Release	No.	63,410.33
10	L.T. Distribution Switch Board of 63A outdoor type Kiosk with electrolytic annealed Copper bus-bar on glazed porcelain or bakelite base with 63A TP MCCB as per required Incomer and Porcelain Fuses (32A X 2 nos KIT KAT) for each Outgoing.	No	39,122.45
49	FIRE FIGHTING EQUIPMENTS & RUBBER MATS:		
1	Dry powder type extinguisher of 50 lb capacity mounted on wheels.	No	15,950.94
2	CO2 Fire extinguisher of 4.5 Kg capacity wall mounted.	No	10,207.10
3	CO2 Fire extinguisher of 6.5 Kg capacity wall mounted.	No	15,950.94
4	Foam type fire extinguisher of one gallon capacity wall mounted.	No	11,484.37
5	Sand buckets of 4 Ltrs capacity	No	476.08
6	Chequered Rubber mat (2 mtr x 1 mtr x 12.5 mm) 11KV grade	Nos	5,578.53

1 Above rates indicated in Column 5 are exclusive of Taxes and Duties, Fright & Insurance etc.