

# UGVCL

## UTTAR GUJARAT VIJ COMPANY LIMITED

CIN – U40102GJ2003SGC042906



UGVCL/R&C/UG/Cost Data-2022-23/816

Date: 27-1-2023

To,  
Additional Chief Engineer / Superintending Engineer,  
Circle office, UGVCL,  
Palanpur/Sabarmati/Himatnagar/Mehsana.

**Sub:- Cost data and labour rates for Under Ground Network in the area of UGVCL for the year 2022-23 & onwards.**

In pursuance of the approval accorded by the competent authority, Cost data and labour rates for Under Ground Network in the area of UGVCL for the year 2022-23 & onwards for REC / Non-REC /City area etc. are enclosed herewith as Annexure A & D also itemwise respectively. These approved supply and labour rates are excluding of GST.

This Cost-Data will come in force with immediate effect i.e. from Dt. 30.1.23 and no past case are to be revised including for case where FQ issued and under payment and also FQ issued and if Time limit asked already approved. But if Time limit extension asked & yet not approved then in such cases, T.S. to be revised as per new cost data.

(V.M. Shroff)

Chief Engineer (Op)  
UGVCL, Mehsana.

Enclosed: - Revised Under Ground Cost Data & Labour Rates  
(Annexure -A & D)

**Copy to:-**

- E.A. to M.D., R&C office, Mehsana
- CE(P), , R&C Office, UGVCL, Mehsana
- GM(F), R&C Office, UGVCL, Mehsana
- ACE(Tech/Project), R&C Office, UGVCL, Mehsana
- SE(TECH/COM/CIVIL/SP/QCC/SOLAR/DSM), R&C Office, UGVCL, Mehsana
- SE (IT & EMC), UGVCL, R&C Office, Mehsana ..... for revising the rates in e-urja system in all the relevant modules with immediate effect.

**Regd. & Corporate Office:** Visnagar Road, MEHSANA - 384 001 (North Gujarat)

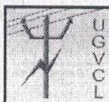
Telephone: (02762) 222080-81

Website: www.ugvcl.com

Fax: (02762) 223574

e-mail: corporate@ugvcl.com







**UTTAR GUJARAT VIJ COMPANY LIMITED**  
**ITEM WISE COST DATA FOR UNDERGROUND ELECTRICAL NETWORK FOR FY 2022-23**




**ANNEXURE-A UNDERGROUND**

SR NO.	ITEM CODE	ITEM NO.	PARTICULARS	UNIT	RATE (In Rs.) 22-23
1	2	3	4	5	6
1		ITEM 1	11KV NON SCADA RING MAIN UNIT 2 ISOLATOR (2-WAY)	No.	312672
2		ITEM 2	11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 1 ISOLATOR (2-WAY)	No.	340732
2		ITEM 3	11KV NON SCADA RING MAIN UNIT 3 ISOLATOR (3-WAY)	No.	467002
3		ITEM 4	11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 2 ISOLATOR (3-WAY)	No.	495062
3		ITEM 5	11KV NON SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 1 ISOLATOR (3-WAY)	No.	523122
4		ITEM 6	11KV NON SCADA RING MAIN UNIT 4 ISOLATOR (4-WAY)	No.	621332
4		ITEM 7	11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 3 ISOLATOR (4-WAY)	No.	649392
5		ITEM 8	11KV NON SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 2 ISOLATOR (4-WAY)	No.	677452
5		ITEM 9	11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 4 ISOLATOR (5-WAY)	No.	803722
2		ITEM 10	11KV NON SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 3 ISOLATOR (5-WAY)	No.	958052
3		ITEM 11	11KV SCADA RING MAIN UNIT 2 ISOLATOR (2-WAY)	No.	500538
3		ITEM 12	11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 1 ISOLATOR (2-WAY)	No.	520109
4		ITEM 13	11KV SCADA RING MAIN UNIT 3 ISOLATOR (3-WAY)	No.	563809
4		ITEM 14	11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 2 ISOLATOR (3-WAY)	No.	592632
5		ITEM 15	11KV SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 1 ISOLATOR (3-WAY)	No.	620372
5		ITEM 16	11KV SCADA RING MAIN UNIT 4 ISOLATOR (4-WAY)	No.	758961
6		ITEM 17	11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 3 ISOLATOR (4-WAY)	No.	763473
6		ITEM 18	11KV SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 2 ISOLATOR (4-WAY)	No.	787021
3		ITEM 19	11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 4 ISOLATOR (5-WAY)	No.	896708
4		ITEM 20	11KV SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 3 ISOLATOR (5-WAY)	No.	1151583
4		ITEM 21	11 kV/433 V, 100 kVA Aluminium winding (CT 200/5 Amp) Outdoor Transformers with HV/LV cable end Boxes	No.	230865
5		ITEM 22	11 kV/433 V, 200 kVA Aluminium winding (CT 300/5 Amp) Outdoor Transformers with HV/LV cable end Boxes	No.	433630
5		ITEM 23	11 kV/433 V, 315 kVA Copper winding (CT 500/5 Amp) Outdoor Transformers with HV/LV cable end Boxes	No.	1090010



<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <b>UTTAR GUJARAT VIJ COMPANY LIMITED</b>  <b>ITEM WISE COST DATA FOR UNDERGROUND ELECTRICAL NETWORK FOR FY 2022-23</b>  <b>ANNEXURE-A UNDERGROUND</b> </div>  </div>					
SR NO.	ITEM CODE	ITEM NO.	PARTICULARS	UNIT	RATE (In Rs.) 22-23
1	2	3	4	5	6
6		ITEM 24	11 kV/433 V, 500 kVA Copper winding (CT 750/5 Amp) Outdoor Transformers with HV/LV cable end Boxes	No.	1208483
6		ITEM 25	11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 2 Isolator (3 - Way) SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)	No.	2297284
7		ITEM 26	11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 3 Isolator (4 - Way) SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)	No.	2468126
7		ITEM 27	11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 2 Isolator (3 - Way) NON-SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)	No.	2199715
4		ITEM 28	11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 3 Isolator (4 - Way) NON-SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)	No.	2354045
5		ITEM 29	11KV 300 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	2582
5		ITEM 30	11KV 240 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	1693
6		ITEM 31	11KV 185 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	1460
6		ITEM 32	11KV 150 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	1365
7		ITEM 33	11KV 120 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	1261
7		ITEM 34	11KV 95 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	1200
8		ITEM 35	11KV 70 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH	Mtr.	982
8		ITEM 36	11KV 300 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	3853
5		ITEM 37	11KV 240 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	2964
6		ITEM 38	11KV 185 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	2599
6		ITEM 39	11KV 150 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	2503
7		ITEM 40	11KV 120 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	2400
7		ITEM 41	11KV 95 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	2339
8		ITEM 42	11KV 70 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD	Mtr.	2120
8		ITEM 43	11KV LOAD BREAK SWITCH PANEL FOR TRANSFORMER	No.	113324
9		ITEM 44	11KV COMPACT TRANSFORMER CUBICAL (CTC)	No.	369506
9		ITEM 45	11KV HT METERING CUBICAL WITH HT LOAD BREAK SWITCH	No.	223106
6		ITEM 46	11KV HT METERING CUBICAL WITH HT CIRCUIT BREAKER	No.	580136
7		ITEM 47	11 KV DOUBLE POLE STRUCTURE FOR OUTDOOR UNDERGROUND TRANSFORMER ON PSC 10 MTR POLE (Without Fencing)	No.	63750
Note: Above Cost Data is excluding applicable GST @ 18%					

  
**Chief Engineer (OP)**  
**UGVCL, Regd. Office**  
**Mehsana.**



# UTTAR GUJARAT VIJ COMPANY LIMITED

Rates for various items and works of 11 KV Under ground Cable Network for FY 2022-23

## ANNEXURE-D


(The rates are excluding of GST, Contingency, Storage, Transportation and Supervision Charge)

SR NO.	DESCRIPTION OF WORKS	UNIT	Supply Rate (In Rs.) for FY 2022-23	Labour Rate (In Rs.) for FY 2022-23
1	Laying (including installation, testing and commissioning) of various size of 11 KV XLPE insulated Aluminium armoured cable in ground 1200 mm deep, 300 mm wide trench, providing sand cushioning below (75mm thick layer of sand) and above (75mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner dia with thickness of 30mm, 1 meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap , Only Cable will be Supplied by UGVCL)	Mtr		335
2	Laying (including installation, testing and commissioning) of various size of <u>double circuit</u> 11 KV XLPE insulated Aluminium armoured cable in ground in single trench 1200 mm deep, 500 mm wide trench, providing sand cushioning below (75mm thick layer of sand) and above (75mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner dia with thickness of 30mm) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap , Only Cable will be Supplied by UGVCL)	Mtr		468
3	Laying of various size of 11 KV XLPE insulated Aluminium armoured cable <u>above ground in air for termination of cable on Pole</u> as per site condition and instruction of engineer in charge (Excluding cost of clamp and pipe)	Mtr		38
4	Supply and installation of <u>clamps</u> made from 50*6 mm GI flat (Min. weight of flat 1.6 Kg per set) for fitting for <u>110mm</u> GI/HDPE pipe above ground with the pole (with cost of nuts & bolts)	Set	100	30
5	Supply and installation of <u>clamps</u> from 50*6 mm GI flat (Min. weight of flat 1.8 Kg per set) for fitting for <u>160mm</u> GI/HDPE pipe above ground with the pole. (with cost of nuts & bolts)	Set	120	30
6	Laying of various sizes of 11 KV XLPE insulated Aluminium armoured cable in cable tray/ trench over/below the ground level/ (Excluding cable tray, only labour charges)	Mtr		150
7	Laying of HDPE pipe confirming to IS 4984:1955 (Amendment no. 2) having diameter 110 mm and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by <u>push through method by drilling the road with HDD machine/manually without breaking the road surface</u> and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Without cost of HDPE Pipe ,cable will be supplied by UGVCL)	Mtr		825

Chief Engineer (OP)  
UGVCL, Regd. Office  
Mehsana.




SR NO.	DESCRIPTION OF WORKS	UNIT	Supply Rate (In Rs.) for FY 2022-23	Labour Rate (In Rs.) for FY 2022-23
8	<u>Supply of HDPE Pipe having 110 mm diameter</u> (As required), minimum thickness 5 mm as per IS ( Amendment no. 2- IS 4984 :1995) for laying of PE-100, 6KG/cm2 for 11 KV XLPE cable	Mtr	525	
9	<u>Providing and laying of HDPE pipe</u> confirming to IS 4984:1955 (Amendment no. 2) having diameter 110 mm and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by push through method by drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Only cable will be supplied by UGVCL)	Mtr	1350(525+825)	
10	<u>Laying of HDPE pipe confirming to IS 4984:1955 (Amendment no. 2) having diameter 160 mm</u> and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by push through method by drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Without cost of HDPE Pipe ,cable will be supplied by UGVCL)	Mtr		825
11	<u>Supply of HDPE Pipe</u> having 160 mm diameter, minimum thickness 7.3 mm as per IS( Amendment no. 2- IS 4984 :1995) of PE-100, 6KG/cm2 for laying of 11 KV XLPE cable	Mtr	640	
12	<u>Providing and laying of HDPE pipe</u> confirming to IS 4984:1955 (Amendment no. 2) having diameter <u>160 mm</u> and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by push through method by drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Only cable will be supplied by UGVCL)	Mtr	1440	
13	Supply and Fixing of medium grade GI Pipe of Size of 100 mm Diameter (Min 2.5 meter required) Weight 9 to 10 KG/Mtr.	Mtr	350	200
14	<u>Providing and Laying of medium grade B class GI pipe having diameter 110 mm</u> and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by push through method by drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Including cost of GI Pipe ,cable will be supplied by UGVCL)	Mtr	415	825
15	Supply and Fixing of medium grade GI Pipe of Size of 160 mm Diameter (Min 2.5 meter required) Weight 10 to 11 KG/Mtr.	Mtr	600	200
16	Providing and Laying of medium grade B class GI pipe having diameter 160 mm and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by push through method by drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Including cost of GI Pipe ,cable will be supplied by UGVCL)	Mtr	600	825

  
 Chief Engineer (OP)  
 UGVCL, Regd. Office  
 Mehsana.



SR NO.	DESCRIPTION OF WORKS	UNIT	Supply Rate (In Rs.) for FY 2022-23	Labour Rate (In Rs.) for FY 2022-23
17	Proving and Fixing HT push on/heat shrink type end <u>Indoor termination kit</u> preferably 3m(m-seal) or Raychem make at switchgear end boxes, transformer(PAD/Pole mounted) for 3 core 11 kV XLPE Aluminium Conductor Armoured cable as specified with connection of leads including cutting, stripping of cable, insulations, providing compression type terminal ,crimping of lugs with suitable crimping tool, <u>indoor application.</u>			
A	70 mm2 HT XLPE Cable	NO	3677	1041
B	120 / 150 / 185 mm2 HT XLPE Cable	NO	3912	1041
C	240 mm2 HT XLPE Cable	NO	4211	1041
D	300 mm2 HT XLPE Cable	NO	4508	1041
18	Proving and Fixing HT push on/heat shrink type end <u>Outdoor termination kit</u> preferably 3m(m-seal) or Raychem make at switchgear end boxes, transformer(PAD/Pole mounted) for 3 core 11 kV XLPE Aluminium Conductor Armoured cable as specified with connection of leads including cutting, stripping of cable, insulations, providing compression type terminal ,crimping of lugs with suitable crimping tool, <u>Outdoor application.</u>			
A	70 mm2 HT XLPE Cable	NO	4623	1041
B	120 / 150 / 185 mm2 HT XLPE Cable	NO	4941	1041
C	240 mm2 HT XLPE Cable	NO	5337	1041
D	300 mm2 HT XLPE Cable	NO	5635	1041
19	Proving and Fixing HT push on/heat shrink type <u>Straight joint</u> preferably 3m(m-seal) or Raychem make for 3 core 11 kV XLPE Aluminium Conductor Armoured cable as specified with connection of leads including cutting, stripping of cable, insulations ,providing compression type terminals, crimping of lugs with suitable crimping tool.			
A	70 mm2 HT XLPE Cable	NO	6158	1041
B	120 / 150 / 185mm2 HT XLPE Cable	NO	6614	1041
C	240 mm2 HT XLPE Cable	NO	6839	1041
D	300 mm2 HT XLPE Cable	NO	6999	1041
20	Providing and fixing of "Route marker" of CC 1:2:4, 150mm*150mm*750mm Concrete stone embedded in earth atleast 300mm below the GL and 450mm above GL at distance of approximately 100 mtr or as directed by engineer in charge. The route marker must be painted with yellow colour of stone with red colour for embracing on stone -"UGVCL 11 KV Cable" . ( This includes material, painting & labour charges for excavation& refilling)	Mtr	300	100

  
 Chief Engineer (OP)  
 UGVCL, Regd. Office  
 Mehsana.



SR NO.	DESCRIPTION OF WORKS	UNIT	Supply Rate (In Rs.) for FY 2022-23	Labour Rate (In Rs.) for FY 2022-23
21	<u>Supply of HDPE Pipe having 50 mm diameter</u> (As required), minimum thickness 5 mm as per IS ( Amendment no. 2- IS 4984 :1995) for laying of PE-100, 6KG/cm2 for 1.1 KV LT XLPE Cable size up to 70 Sq. MM	Mtr	76	
22	Laying of HDPE pipe confirming to IS 4984:1955 (Amendment no. 2) having diameter 50 mm and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by <u>push through method by drilling the road with HDD machine/manually without breaking the road surface</u> and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Without cost of HDPE Pipe ,cable will be supplied by UGVCL)	Mtr		330
23	<u>Supply of HDPE Pipe having 90 mm diameter</u> (As required), minimum thickness 5 mm as per IS ( Amendment no. 2- IS 4984 :1995) for laying of PE-100, 6KG/cm2 for 1.1 KV LT XLPE Cable size from 95 Sq. MM to 150 Sq. MM	Mtr	224	
24	Laying of HDPE pipe confirming to IS 4984:1955 (Amendment no. 2) having diameter 90 mm and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by <u>push through method by drilling the road with HDD machine/manually without breaking the road surface</u> and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Without cost of HDPE Pipe ,cable will be supplied by UGVCL)	Mtr		495
25	<u>Supply of HDPE Pipe having 110 mm diameter</u> (As required), minimum thickness 5 mm as per IS ( Amendment no. 2- IS 4984 :1995) for laying of PE-100, 6KG/cm2 for 1.1 KV LT XLPE Cable size above 185 Sq. MM	Mtr	525	
26	Laying of HDPE pipe confirming to IS 4984:1955 (Amendment no. 2) having diameter 110 mm and minimum thickness 5mm at a minimum depth of 1200 mm below the road surface by <u>push through method by drilling the road with HDD machine/manually without breaking the road surface</u> and laying of any size of HT/LT XLPE insulated aluminum armoured cable through the duct as per the instruction of EIC and specifications. (Without cost of HDPE Pipe ,cable will be supplied by UGVCL)	Mtr		825

Note:

Sr. no. 21,23,24 and 25 new items rates added given by Project section.

Chief Engineer(Op.)  
UGVCL, R&C Office,  
Mehsana



# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Nework Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
1	LT XLPE CABLE: Providing & erecting XLPE (IS:7098) (I)-88 ISI marked Armoured cable multistrand Aluminium conductor for 1.1 kV to be laid by digging cable trench or push through method of following size of cables.														
a	4C x 4 MM Aluminum	Mtrs.	78	2	2	2	12	95	30	5	35	76	330	61	467
b	4C x 4 MM Copper	Mtrs.	310	9	6	6	47	378	30	5	35	76	330	61	467
c	4C x 6 MM Aluminum	Mtrs.	95	3	2	2	14	116	30	5	35	76	330	61	467
d	4C x 6 MM Copper	Mtrs.	469	14	9	9	70	572	30	5	35	76	330	61	467
e	4C x 10 MM Aluminum	Mtrs.	119	4	2	2	18	145	30	5	35	76	330	61	467
f	4C x 16 MM Aluminium	Mtrs.	154	5	3	3	23	188	30	5	35	76	330	61	467
g	4C x 25 MM Aluminum	Mtrs.	218	7	4	4	33	266	30	5	35	76	330	61	467
h	3.5 C X 35 MM ALuminium	Mtrs.	267	8	5	5	40	326	30	5	35	76	330	61	467
i	3.5 C x 50 MM Aluminium	Mtrs.	350	11	7	7	53	427	30	5	35	76	330	61	467
j	3.5 C x 70 MM Aluminium	Mtrs.	456	14	9	9	68	556	30	5	35	76	330	61	467
k	3.5 C x 95 MM Aluminium	Mtrs.	611	18	12	12	92	745	60	9	69	224	495	108	827
l	3.5 C x 120 MM Aluminum	Mtrs.	788	24	16	16	118	961	60	9	69	224	495	108	827
m	3.5 C x 150 MM Aluminium	Mtrs.	932	28	19	19	140	1137	60	9	69	224	495	108	827
n	3.5 C x 185 MM Aluminum	Mtrs.	1149	34	23	23	172	1402	60	9	69	525	825	203	1553
o	3.5 C x 240 MM Aluminum	Mtrs.	1452	44	29	29	218	1771	70	11	81	525	825	203	1553
p	3.5 C x 300 MM Aluminum	Mtrs.	1797	54	36	36	270	2192	70	11	81	525	825	203	1553
q	1 C X 300 MM Aluminum	Mtrs.	639	19	13	13	96	780	70	11	81	525	825	203	1553
r	3.5 C x 400 MM Aluminum	Mtrs.	2097	63	42	42	315	2558	70	11	81	525	825	203	1553
s	1 C x 400 MM Aluminum	Mtrs.	824	25	16	16	124	1005	70	11	81	525	825	203	1553
2	LT CABLE TERMINATION: Cable termination on LT Pole, FSP, LT Distribution Transformer Box of pole mounted transformer of LT cable grade as specified below including cutting,stripping of cable,insulations,providing compression type terminals including supply of suitable cable glands,crimping lugs with necessary connections.														
a	4C x 4 MM Aluminum	Nos.	679	20	14	14	102	828	25	4	29				
b	4C x 4 MM Copper	Nos.	679	20	14	14	102	828	25	4	29				
c	4C x 6 MM Aluminum	Nos.	679	20	14	14	102	828	25	4	29				
d	4C x 6 MM Copper	Nos.	788	24	16	16	118	961	25	4	29				
e	4C x 10 MM Aluminum	Nos.	788	24	16	16	118	961	25	4	29				
f	4C x 16 MM Aluminium	Nos.	788	24	16	16	118	961	25	4	29				

Chief Engineer (OP)  
UGVCL, Regd. Office  
Mehsana.



# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Nework Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
g	4C x 25 MM Aluminum	Nos.	804	24	16	16	121	981	25	4	29				
h	3.5 C X 35 MM ALuminium	Nos.	804	24	16	16	121	981	45	7	52				
i	3.5 C x 50 MM Aluminium	Nos.	804	24	16	16	121	981	45	7	52				
j	3.5 C x 70 MM Aluminium	Nos.	889	27	18	18	133	1085	45	7	52				
k	3.5 C x 95 MM Aluminium	Nos.	889	27	18	18	133	1085	45	7	52				
l	3.5 C x 120 MM Aluminum	Nos.	889	27	18	18	133	1085	45	7	52				
m	3.5 C x 150 MM Aluminum	Nos.	940	28	19	19	141	1147	45	7	52				
n	3.5 C x 185 MM Aluminum	Nos.	940	28	19	19	141	1147	45	7	52				
o	3.5 C x 240 MM Aluminum	Nos.	1245	37	25	25	187	1519	45	7	52				
p	3.5 C x 300 MM Aluminum	Nos.	1245	37	25	25	187	1519	45	7	52				
q	1 C X 300 MM Aluminum	Nos.	1245	37	25	25	187	1519	45	7	52				
r	3.5 C x 400 MM Aluminum	Nos.	1474	44	29	29	221	1798	45	7	52				
s	1 C x 400 MM Aluminum	Nos.	1474	44	29	29	221	1798	45	7	52				
3	EARTHING & EARTHING STRIP														
a	Carbon Earthing for LSTC: Supplying & erecting of maintaince free earthing sysytem comprising of 17.2 mm dia 3 mtr Long Earthing Electrode of low carbon steel electrode with 250 micrns copper coating + carbon based conductive concrete back fill safe compound(resisitivity of less than 0.10 ohm mtr) & copper clamp.Supply, Earcting and Install pre cast RCC Earth pit Chamber (300*300 MM).Making 100 mm Dia Bore, 3 Mtr Long, Making of Earth pit chamber in normal Soil.	Nos	8378	251.34	167.56	167.56	1256.7	10221.16	1000	150	1150				
b	Carbon Earthing for UG Equipment: Supplying & erecting of maintaince free earthing sysytem comprising of 17.2 mm dia 2 mtr Long Earthing Electrode of low carbon steel electrode with 250 micrns copper coating + carbon based conductive concrete back fill safe compound(resisitivity of less than 0.10 ohm mtr) & copper clamp.Making 100 mm Dia Bore, 2 Mtr Long, Making of Earth pit chamber in normal Soil.	Nos	5500	165	110	110	825	6710	1000	150	1150				

Chief Engineer (OP)  
UGVCL, Regd. Office  
Mehsana.




# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Nework Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
									Normal Erection			Push Through digging			
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
c	Carbon Earthing for UG Equipment: Supplying & erecting of maintaince free earthing sysytem comprising of 17.2 mm dia 3 mtr Long Earthing Electrode of low carbon steel electrode with 250 micrns copper coating + carbon based conductive concrete back fill safe compound(resisitivity of less than 0 10 ohm mir) & copper clamp.,Making 100 mm Dia Bore, 3 Mtr Long, Making of Earth pit chamber in normal Soil.	Nos	6500	195	130	130	975	7930	1000	150	1150				
d	Supply installation & commissioning of earthing conductor 38 x 3 G.I. strip for pole mounted transformer and upto FSP,RMU as well as connection to be made to the earth pit. Rates inclusive of hot dipped hardwares.	Mtrs.	138	4.14	2.76	2.76	20.7	168.36	52	8	60				
e	Supply installation & commissioning of earthing conductor 25 x 3 G.I. strip for pole mounted transformer and upto FSP,RMU as well as connection to be made to the earth pit. Rates inclusive of hot dipped hardwares.	Mtrs.	91	3	2	2	14	111	52	8	60			0	0
4	Obtaining statutory approval from Electrical Inspector for installation of the system.	Job							125000	18750	143750				
5	FSP & MSP														

  
**Chief Engineer (OP)**  
**UGVCL, Regd. Office**  
**Mehsana.**




# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Network Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

COST DATA FOR ORDERING										Labour					
Sr. No.	Particulars of Item	Unit	Supply Rate					Normal Erection			Push Through digging				
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
a	FSP (Fuse Section Pillar) 1250 Amp : Supplying and erecting 120x100x40 cms. Fuse section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burried in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming switchgear SFU of 1250 Amp TPN and outgoing HRC SMC fuse base and kinfe type links 32 Amp to 630 Amp. capacity, fuse base fitted on 630 Amp. current capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.( As per Technical specification of FSP)	Nos.	126860	3805.8	2537.2	2537.2	19029	154769.2	2811	421.65	3232.65				

  
 Chief Engineer (OP)  
 UGVCL, Regd. Office  
 Mehsana.




# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Network Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
b	FSP (Fuse Section Pillar) 800 Amp : Supplying and erecting 120x100x40 cms. Fuse section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burned in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming switchgear SFU of 800 Amp TPN and outgoing HRC SMC fuse base and kinfe type links 32 Amp to 630 Amp. capacity, fuse base fitted on 630 Amp. current capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.( As per Technical specification of FSP)	Nos.	101860	3055.8	2037.2	2037.2	15279	124269.2	2811	421.65	3232.65				

  
 Chief Engineer (OP)  
 UGVCL, Regd. Office  
 Mehsana.




# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Network Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate					Labour							
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
C	<b>FSP (Fuse Section Pillar) 630 Amp:</b> Supplying and erecting 120x100x40 cms. Fuse section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burried in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming switchgear SFU of 630 Amp TPN and outgoing HRC SMC fuse base and kinfe type links 32 Amp to 630 Amp. capacity, fuse base fitted on 630 Amp. current capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.( As per Technical specification of FSP)	Nos.	81860	2455.8	1637.2	1637.2	12279	99869.2	2811	421.65	3232.65				

  
 Chief Engineer (OP)  
 UGVCL, Regd. Office  
 Mehsana.




# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Nework Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
d	<b>FSP (Fuse Section Pillar) 400 Amp:</b> Supplying and erecting 120x100x40 cms. Fuse section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burried in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming switchgear SFU of 400 Amp TPN and outgoing HRC SMC fuse base and kinfe type links 32 Amp to 630 Amp. capacity, fuse base fitted on 630 Amp. current capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.( As per Technical specification of FSP)	Nos.	71860	2155.8	1437.2	1437.2	10779	87669.2	2811	421.65	3232.65				

  
**Chief Engineer (OP)**  
**UGVCL, Regd. Office**  
**Mehsana.**



# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Network Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

POWER SUPPLY NETWORK FOR FY 2022-23															
Sr. No.	Particulars of Item	Unit	Supply Rate					Labour							
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
e	<b>MSP (Mini Section Pillar) 200 Amp :</b> Supplying and erecting 120x100x40 cms. Mini section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burried in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming HRC SMC fuse base and kinfe type links 32 Amp to 250 Amp. capacity, fuse base fitted on 250 Amp. current capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.( As per Technical specification of MSP)		30250	907.5	605	605	4537.5	36905	2811	421.65	3232.65				
f	<b>MSP (Mini Section Pillar) 400 Amp:</b> Supplying and erecting 120x100x40 cms. Mini section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burried in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming HRC SMC fuse base and kinfe type links 32 Amp to 250 Amp. capacity, fuse base fitted on 250 Amp. current capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.( As per Technical specification of MSP)	Nos.	20250	607.5	405	405	3037.5	24705	2811	421.65	3232.65				

Chief Engineer (O&M)  
UGVCL, Regd. Office  
Mehsana



# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Nework Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
7	Bus Bar Champer 100 Amp	Nos	8615	258.45	172.3	172.3	1292.25	10510.3	1000	150	1150				
8	Preparing and supply of complete drawing from road centre level including jointing locations etc. for cable laid routes in six sets. The drawing should be geographical indicating all directions (For Turnkey Projects Only)	Per Kilometer							1000	150	1150				
9	<b>FENCING:</b> FRP Fencing for RMU and PSS, post shall be made out of FRP Pultruded hollow section of size 50x50x5mm. and shall be grouted in the ground with c. c. of ratio 1:3:6., Sub frame provided using hollow FRP section 50x25x5mm or FRP angles 50x50x5 at top and bottom and other accessories for fixing of gates etc. Rails shall be made out of FRP notch bars of 12mm dia, Pickets shall be made of flats of size 35x5mm SMC or FRP as per specifications and	RMT	2860	85.8	57.2	57.2	429	3489.2	601	90.15	691.15				
10	<b>DTC:</b> Fixing of DTC meter at all Transformers Center in such manner that meter reading may be taken easily without obstruction due to fencing of RMU (excluding Meter/Meter Box/Cable)	Nos.							1100	165	1265				
11	<b>WARNING TAP:</b> For laying on trench after laying cable on trech to provide indication cable route below land surface in underground trench to protect cable for mechanical injuries.	Mtrs.	14	0	0	0	2	17	7	1	8				
12	<b>CABLE TERMINAL FERRULS:</b> The PVC Cable terminal ferruls for identification of phase sequence and feeder/PSS/FSP name of HT/LT cables shall be provided at every termination of all cables stating detail as under. HT Cable :Feeder name/Phase(R/Y/B) LT Cable : TC/FSP name/Phase(R/Y/B/N)	Nos.	20	1	0	0	3	24	7	1	8				
13	<b>CABLE TAG:</b> The PVC tag for identification of feeder/PSS/FSP/RMU name of HT/LT cables shall be provided at every 10 MTR HT Feeder: Substation/Feeder LT Feeder : PSS/Transformer/FSP	Nos	20	1	0	0	3	24	7	1	8				
15	CIVIL WORK														
A	TRENCH														

Chief Engineer (OP)  
UGVCL, Regd. Office  
Mehsana.



# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Network Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate					Labour							
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
a	Construction of RCC cable trench as per approved design and drawing and as per directives of engineer-in charge with required excavation, base concreting, laying of rainforcement as per design, concreting of M-20 grade for pardi and raft, pre-stressed concrete cover of 50 mm thick, fabrication of cable tray as per desin with oil painting to structural steel and cement paint to all visible surface of the cable trench. The work to be done as per PWD specification as per drawing (FOUR TIER)	Mtrs.							10957	1643.55	12600.55				

  
 Chief Engineer (UGVCL)  
 UGVCL, Regd. Office  
 Mehsana.



# UTTAR GUJARAT VIJ COMPANY LIMITED

## Other Various Underground Supply Nework Related Items

### COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

Sr. No.	Particulars of Item	Unit	Supply Rate						Labour						
			Ex works price	3% contingency charge	2% Storage charge	2% Transportation charge	15% Supervision charge	Total End Cost	Normal Erection			Push Through digging			
									labour Rate	15% Supervision charge	Total End Cost	HDPE Pipe Rate	Laying of HDPE Pipe	15% Supervision charge	Total End Cost
b	Construction of RCC cable trench as per approved design and drawing and as per directives of engineer-in charge with required excavation, base concreting, laying of reinforcement as per design, concreting of M-20 grade for pardi and raft, pre-stressed concrete cover of 50 mm thick, fabrication of cable tray as per desin with oil painting to structural steel and cement paint to all visible surface of the cable trench. The work to be done as per PWD specification as per drawing (THREE TIER)	Mtrs.							10405	1560.75	11965.75				
B	Construction of masonry foundation for Ring Main Unit as per approved drawing incl. Excavation for foundation, 100mm thick cement concrete 1:4:8 for foundation, brick masonry with cement mortar 1:6, C.C. 1:2:4 on top with 15 mm thick single coat plaster in cement mortar 1:3 on top & sides as to give a fair finish with 2 coats of water proofing cement paint on plaster surgface including centering, shuttering, strutting, curing and propping etc complete as directed by EIC.(Item rate including of all materials, labours, tools & tackles etc.)														
a	2 Way Ring Main Unit								7808	1171.2	8979.2				
b	3 Way Ring Main Unit								9349	1402.35	10751.35				
c	4 Way Ring Main Unit								11148	1672.2	12820.2				
d	5 Way Ring Main Unit								12433	1864.95	14297.95				
C	Construction of masonry foundation for Package Sub Station as per approved drawing incl. Excavation for foundation, 100mm thick cement concrete 1:4:8 for foundation, brick masonry with cement mortar 1:6, C.C. 1:2:4 on top with 15 mm thick single coat plaster in cement mortar 1:3 on top & sides as to give a fair finish with 2 coats of water proofing cement paint on plaster surgface including centering, shuttering, strutting, curing and propping etc complete as directed by EIC.(Item rate including of all materials, labours, tools & tackles etc.)														
a	PSS with 3 Way RMU								49736	7460.4	57196.4				
b	PSS with 4 Way RMU								55970	8395.5	64365.5				

Chief Engineer (OP)  
UGVCL, Regd. Office  
Mehsana.



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 1
11KV NON SCADA RING MAIN UNIT 2 ISOLATOR (2-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 2 Isolator Ring Main Unit (2 Way)	No.	1.00	253000.00	253000.00
		ADD:3% CONTINGENCIES				7590.00
		ADD:2% STORAGE CHARGES				5060.00
		ADD:2% TRANSPORTATION & MISC.				5060.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				37950.00
		Total ....A				308660.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				312672.35
		TOTAL			Say Rs.	312672



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 2
11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 1 ISOLATOR (2-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 1 Isolator Ring Main Unit (2 Way)	No.	1.00	276000.00	276000.00
		ADD:3% CONTINGENCIES				8280.00
		ADD:2% STORAGE CHARGES				5520.00
		ADD:2% TRANSPORTATION & MISC.				5520.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				41400.00
		Total ....A				336720.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				340732.35
		TOTAL			Say Rs.	340732



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 3
11KV NON SCADA RING MAIN UNIT 3 ISOLATOR (3-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 3 Isolator Ring Main Unit (3 Way)	No.	1.00	379500.00	379500.00
		ADD:3% CONTINGENCIES				11385.00
		ADD:2% STORAGE CHARGES				7590.00
		ADD:2% TRANSPORTATION & MISC.				7590.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				56925.00
		Total ....A				462990.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				467002.35
		TOTAL			Say Rs.	467002



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 4**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 2 ISOLATOR (3-WAY)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		<b>A</b>				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 2 Isolator Ring Main Unit (3 Way)	No.	1.00	402500.00	402500.00
		ADD:3% CONTINGENCIES				12075.00
		ADD:2% STORAGE CHARGES				8050.00
		ADD:2% TRANSPORTATION & MISC.				8050.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				60375.00
		Total ....A				491050.00
		<b>B</b>				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				495062.35
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>495062</b>



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 5
11KV NON SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 1 ISOLATOR (3-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 2 Circuit Breaker 1 Isolator Ring Main Unit (3 Way)	No.	1.00	425500.00	425500.00
		ADD:3% CONTINGENCIES				12765.00
		ADD:2% STORAGE CHARGES				8510.00
		ADD:2% TRANSPORTATION & MISC.				8510.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				63825.00
		Total ....A				519110.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				523122.35
		TOTAL			Say Rs.	523122



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 6
11KV NON SCADA RING MAIN UNIT 4 ISOLATOR (4-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 4 Isolator Ring Main Unit (4 Way)	Nos.	1.00	506000.00	506000.00
		ADD:3% CONTINGENCIES				15180.00
		ADD:2% STORAGE CHARGES				10120.00
		ADD:2% TRANSPORTATION & MISC.				10120.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				75900.00
		Total ....A				617320.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				621332.35
		TOTAL			Say Rs.	621332



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 7
11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 3 ISOLATOR (4-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 3 Isolator Ring Main Unit (4 Way)	No.	1.00	529000.00	529000.00
		ADD:3% CONTINGENCIES				15870.00
		ADD:2% STORAGE CHARGES				10580.00
		ADD:2% TRANSPORTATION & MISC.				10580.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				79350.00
		Total ....A				645380.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				649392.35
		TOTAL			Say Rs.	649392



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 8**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV NON SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 2 ISOLATOR (4-WAY)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 2 Circuit Breaker 2 Isolator Ring Main Unit (4 Way)	No.	1.00	552000.00	552000.00
		ADD:3% CONTINGENCIES				16560.00
		ADD:2% STORAGE CHARGES				11040.00
		ADD:2% TRANSPORTATION & MISC.				11040.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				82800.00
		Total ....A				673440.00
		<b>B</b>				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				677452.35
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>677452</b>



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 9
11KV NON SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 4 ISOLATOR (5-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 2 Circuit Breaker 3 Isolator Ring Main Unit (5 Way)	No.	1.00	655500.00	655500.00
		ADD:3% CONTINGENCIES				19665.00
		ADD:2% STORAGE CHARGES				13110.00
		ADD:2% TRANSPORTATION & MISC.				13110.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				98325.00
		Total ....A				799710.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				803722.35
		TOTAL			Say Rs.	803722



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 10
11KV NON SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 3 ISOLATOR (5-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 2 Isolator Ring Main Unit (2 Way)	No.	1.00	782000.00	782000.00
		ADD:3% CONTINGENCIES				23460.00
		ADD:2% STORAGE CHARGES				15640.00
		ADD:2% TRANSPORTATION & MISC.				15640.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				117300.00
		Total ....A				954040.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				958052.35
		TOTAL			Say Rs.	958052



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 11
11KV SCADA RING MAIN UNIT 2 ISOLATOR (2-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 2 Isolator Ring Main Unit (2 Way)	No.	1.00	406988.00	406988.00
		ADD:3% CONTINGENCIES				12209.64
		ADD:2% STORAGE CHARGES				8139.76
		ADD:2% TRANSPORTATION & MISC.				8139.76
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				61048.20
		Total ....A				496525.36
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				500537.71
		TOTAL			Say Rs.	500538



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 12**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 1 ISOLATOR (2-WAY)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 1 Isolator Ring Main Unit (2 Way)	No.	1.00	423030.00	423030.00
		ADD:3% CONTINGENCIES				12690.90
		ADD:2% STORAGE CHARGES				8460.60
		ADD:2% TRANSPORTATION & MISC.				8460.60
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				63454.50
		Total ....A				516096.60
		<b>B</b>				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				520108.95
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>520109</b>



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 13
11KV SCADA RING MAIN UNIT 3 ISOLATOR (3-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 3 Isolator Ring Main Unit (3 Way)	No.	1.00	458850.00	458850.00
		ADD:3% CONTINGENCIES				13765.50
		ADD:2% STORAGE CHARGES				9177.00
		ADD:2% TRANSPORTATION & MISC.				9177.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				68827.50
		Total ....A				559797.00
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				563809.35
		TOTAL			Say Rs.	563809



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 14
11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 2 ISOLATOR (3-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 2 Isolator Ring Main Unit (3 Way)	No.	1.00	482475.00	482475.00
		ADD:3% CONTINGENCIES				14474.25
		ADD:2% STORAGE CHARGES				9649.50
		ADD:2% TRANSPORTATION & MISC.				9649.50
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				72371.25
		Total ....A				588619.50
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				592631.85
		TOTAL			Say Rs.	592632



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 15
11KV SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 1 ISOLATOR (3-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, in future) and with earthfault relay indicator facility 630 A non extensible. 2 Circuit Breaker 1 Isolator Ring Main Unit (3 Way)	No.	1.00	505213.00	505213.00
		ADD:3% CONTINGENCIES				15156.39
		ADD:2% STORAGE CHARGES				10104.26
		ADD:2% TRANSPORTATION & MISC.				10104.26
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				75781.95
		Total ....A				616359.86
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				620372.21
		TOTAL			Say Rs.	620372



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 16
11KV SCADA RING MAIN UNIT 4 ISOLATOR (4-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 4 Isolator Ring Main Unit (4 Way)	No.	1.00	618810.00	618810.00
		ADD:3% CONTINGENCIES				18564.30
		ADD:2% STORAGE CHARGES				12376.20
		ADD:2% TRANSPORTATION & MISC.				12376.20
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				92821.50
		Total ....A				754948.20
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				758960.55
		TOTAL			Say Rs.	758961

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 17
11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 3 ISOLATOR (4-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 3 Isolator Ring Main Unit (4 Way)	No.	1.00	622509.00	622509.00
		ADD:3% CONTINGENCIES				18675.27
		ADD:2% STORAGE CHARGES				12450.18
		ADD:2% TRANSPORTATION & MISC.				12450.18
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				93376.35
		Total ....A				759460.98
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				763473.33
		TOTAL			Say Rs.	763473



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 18
11KV SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 2 ISOLATOR (4-WAY)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		A				
1		Supply of SF6 Ring Main Unit with manual and remotly operating mechanisam switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 2 Circuit Breaker 2 Isolator Ring Main Unit (4 Way)	No.	1.00	641810.00	641810.00
		ADD:3% CONTINGENCIES				19254.30
		ADD:2% STORAGE CHARGES				12836.20
		ADD:2% TRANSPORTATION & MISC.				12836.20
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				96271.50
		Total ....A				783008.20
		B				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				787020.55
		TOTAL			Say Rs.	787021

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 19**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV SCADA RING MAIN UNIT 1 CIRCUIT BREAKER 4 ISOLATOR (5-WAY)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		Supply of SF6 Ring Main Unit with manual and remotely operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 1 Circuit Breaker 4 Isolator Ring Main Unit (5 Way)	No.	1.00	731718.00	<b>731718.00</b>
		ADD:3% CONTINGENCIES				21951.54
		ADD:2% STORAGE CHARGES				14634.36
		ADD:2% TRANSPORTATION & MISC.				14634.36
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				109757.70
		Total ....A				<b>892695.96</b>
		<b>B</b>				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				<b>4012.35</b>
4		Total A + B				<b>896708.31</b>
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>896708</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 20**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV SCADA RING MAIN UNIT 2 CIRCUIT BREAKER 3 ISOLATOR (5-WAY)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		Supply of SF6 Ring Main Unit with manual and remotely operating mechanism switching devices(which can be converted in to motorised operation and extantable at site, also SCADA compatabile in future) and with earthfault relay indicator facility 630 A non extensible. 2 Circuit Breaker 3 Isolator Ring Main Unit (5 Way)	No.	1.00	940632.00	940632.00
		ADD:3% CONTINGENCIES				28218.96
		ADD:2% STORAGE CHARGES				18812.64
		ADD:2% TRANSPORTATION & MISC.				18812.64
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				141094.80
		Total ....A				1147571.04
		<b>B</b>				
2		Installation,Testing & Commissioning of Ring Type Main Unit	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				1151583.39
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1151583</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 21**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11 kV/433 V, 100 kVA Aluminium winding (CT 200/5 Amp) Outdoor Transformers with HV/LV cable end Boxes**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		Supply of 11 kV/433 V, 100 kVA Aluminium winding (CT 200/5 Amp) Outdoor Transformers with HV/LV cable end Boxes (Epoxy Bushings with Bus Bar Design) and CTs commissioned at LV end boxes having CRGO Core (Transformer shall be suitable for pole mounting)	No.	1.00	185945.00	185945.00
		ADD:3% CONTINGENCIES				5578.35
		ADD:2% STORAGE CHARGES				3718.90
		ADD:2% TRANSPORTATION & MISC.				3718.90
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				27891.75
		Total ....A				226852.90
		<b>B</b>				
2		Installation,Testing & Commissioning of Transformer .	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				230865.25
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>230865</b>



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 22
11 kV/433 V, 200 kVA Aluminium winding (CT 300/5 Amp) Outdoor Transformers with HV/LV cable end Boxes						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of 11 kV/433 V, 200 kVA Aluminium winding (CT 300/5 Amp) Outdoor Transformers with HV/LV cable end Boxes (Epoxy Bushings with Bus Bar Design) and CTs commissioned at LV end boxes having CRGO Core (Transformer shall be suitable for pole mounting)	No.	1.00	352146.00	352146.00
		ADD:3% CONTINGENCIES				10564.38
		ADD:2% STORAGE CHARGES				7042.92
		ADD:2% TRANSPORTATION & MISC.				7042.92
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				52821.90
		Total ....A				429618.12
		B				
2		Installation,Testing & Commissioning of Transformer .	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				433630.47
		TOTAL			Say Rs.	433630

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 23
11 kV/433 V, 315 kVA Copper winding (CT 500/5 Amp) Outdoor Transformers with HV/LV cable end Boxes						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of 11 kV/433 V, 315 kVA Copper winding (CT 500/5 Amp) Outdoor Transformers with HV/LV cable end Boxes (Epoxy Bushings with Bus Bar Design) and CTs commissioned at LV end boxes having CRGO Core (Transformer shall be suitable for pole mounting)	No.	1.00	890162.00	890162.00
		ADD:3% CONTINGENCIES				26704.86
		ADD:2% STORAGE CHARGES				17803.24
		ADD:2% TRANSPORTATION & MISC.				17803.24
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				133524.30
		Total ....A				1085997.64
		B				
2		Installation,Testing & Commissioning of Transformer .	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				1090009.99
		TOTAL			Say Rs.	1090010



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 24**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11 kV/433 V, 500 kVA Copper winding (CT 750/5 Amp) Outdoor Transformers with HV/LV cable end Boxes**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		<b>A</b>				
1		Supply of 11 kV/433 V, 500 kVA Copper winding (CT 750/5 Amp) Outdoor Transformers with HV/LV cable end Boxes (Epoxy Bushings with Bus Bar Design) and CTs commissioned at LV end boxes having CRGO Core (Transformer shall be suitable for Plinth mounting)	No.	1.00	987271.00	987271.00
		ADD:3% CONTINGENCIES				29618.13
		ADD:2% STORAGE CHARGES				19745.42
		ADD:2% TRANSPORTATION & MISC.				19745.42
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				148090.65
		Total ....A				1204470.62
		<b>B</b>				
2		Installation,Testing & Commissioning of Transformer	No.	1.00	3489.00	3489.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
3		Total B				4012.35
4		Total A + B				1208482.97
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1208483</b>

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 25
11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 2 Isolator (3 - Way) SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of 11/0.433 KV, 500 kVA PSS (Package substation) with SCADA Compatible 1 Circuit Breaker 2 Isolator (3-Way) Ring Main Unit, Transformer, LT Switchgear (without metering).	No.	1.00	1869746.00	1869746.00
		ADD:3% CONTINGENCIES				56092.38
		ADD:2% STORAGE CHARGES				37394.92
		ADD:2% TRANSPORTATION & MISC.				37394.92
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				280461.90
		Total ....A				2281090.12
		B				
2		Installation,Testing & Commissioning of Package Sub Station	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				2297284.42
		TOTAL			Say Rs.	2297284



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 26
11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 3 Isolator (4 - Way) SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of 11/0.433 KV, 500 kVA PSS (Package substation) with SCADA Compatible 1 Circuit Breaker 3 Isolator (4-Way) Ring Main Unit, Transformer, LT Switchgear (without metering).	No.	1.00	2009780.00	2009780.00
		ADD:3% CONTINGENCIES				60293.40
		ADD:2% STORAGE CHARGES				40195.60
		ADD:2% TRANSPORTATION & MISC.				40195.60
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				301467.00
		Total ....A				2451931.60
		B				
2		Installation,Testing & Commissioning of Package Sub Station	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				2468125.90
		TOTAL			Say Rs.	2468126

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 27
11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 2 Isolator (3 - Way) NON-SCADA Ring Main Unit with Transformer, LT Switchgear (without metering)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		Supply of 11/0.433 KV, 500 kVA PSS (Package substation) with NON SCADA 1 Circuit Breaker 2 Isolator (3-Way) Ring Main Unit, Transformer, LT Switchgear (without metering).	No.	1.00	1789771.00	1789771.00
		ADD:3% CONTINGENCIES				53693.13
		ADD:2% STORAGE CHARGES				35795.42
		ADD:2% TRANSPORTATION & MISC.				35795.42
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				268465.65
		Total ....A				2183520.62
		B				
2		Installation,Testing & Commissioning of Package Sub Station	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				2199714.92
		TOTAL			Say Rs.	2199715



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 28**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11 kV/433 V, 500 kVA Package Sub Station with 1 Circuit Breaker 3 Isolator (4 - Way) NON-SCADA  
Ring Main Unit with Transformer, LT Switchgear (without metering)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		Supply of 11/0.433 KV, 500 kVA PSS (Package substation) with NON SCADA 1 Circuit Breaker 3 Isolator (4-Way) Ring Main Unit, Transformer, LT Switchgear (without metering).	No.	1.00	1916271.00	1916271.00
		ADD:3% CONTINGENCIES				57488.13
		ADD:2% STORAGE CHARGES				38325.42
		ADD:2% TRANSPORTATION & MISC.				38325.42
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				287440.65
		Total ....A				2337850.62
		<b>B</b>				
2		Installation,Testing & Commissioning of Package Sub Station	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				2354044.92
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2354045</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 29**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 300 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 300 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	1801.00	1801.00
		ADD:3% CONTINGENCIES				54.03
		ADD:2% STORAGE CHARGES				36.02
		ADD:2% TRANSPORTATION & MISC.				36.02
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				270.15
		Total ....A				2197.22
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				2582.47
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2582</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 30**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 240 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		<b>A</b>				
1		11KV 240 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	1072.00	1072.00
		ADD:3% CONTINGENCIES				32.16
		ADD:2% STORAGE CHARGES				21.44
		ADD:2% TRANSPORTATION & MISC.				21.44
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				160.80
		Total ....A				1307.84
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				1693.09
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1693</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 31**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 185 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 185 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	881.00	881.00
		ADD:3% CONTINGENCIES				26.43
		ADD:2% STORAGE CHARGES				17.62
		ADD:2% TRANSPORTATION & MISC.				17.62
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				132.15
		Total ....A				1074.82
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				1460.07
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1460</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 32**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 150 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 150 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	802.90	802.90
		ADD:3% CONTINGENCIES				24.09
		ADD:2% STORAGE CHARGES				16.06
		ADD:2% TRANSPORTATION & MISC.				16.06
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				120.44
		Total ....A				979.54
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				1364.79
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1365</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 33**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 120 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 120 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	718.00	718.00
		ADD:3% CONTINGENCIES				21.54
		ADD:2% STORAGE CHARGES				14.36
		ADD:2% TRANSPORTATION & MISC.				14.36
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				107.70
		Total ....A				875.96
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				1261.21
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1261</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 34**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 95 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 95 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	668.00	668.00
		ADD:3% CONTINGENCIES				20.04
		ADD:2% STORAGE CHARGES				13.36
		ADD:2% TRANSPORTATION & MISC.				13.36
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				100.20
		Total ....A				814.96
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				1200.21
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>1200</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 35**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 70 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY DIGGING CABLE TRENCH**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 70 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	489.00	489.00
		ADD:3% CONTINGENCIES				14.67
		ADD:2% STORAGE CHARGES				9.78
		ADD:2% TRANSPORTATION & MISC.				9.78
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				73.35
		Total ....A				596.58
		<b>B</b>				
2		Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Aluminium armoured Cable in ground 1200 mm deep and 300 mm wide trench, providing sand cushioning below (75 mm thick layer of sand) and above (75 mm thick layer of sand) of the cable and covering it with RCC half round hume pipe (150 mm inner diameter with thickness of 30 mm and One meter in length) before refilling pre-bonding tap/warning tap should provide below 700 mm from the ground level and back filling the same to make ground level as per original. As per specification and drawing of UGVCL. ( RCC half round pipe should be provide throughout on cable without gap).	Mtrs.	1.00	335.00	335.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				50.25
3		Total B				385.25
4		Total A + B				981.83
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>982</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 36**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 300 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		<b>A</b>				
1		11KV 300 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	1801.00	1801.00
		ADD:3% CONTINGENCIES				54.03
		ADD:2% STORAGE CHARGES				36.02
		ADD:2% TRANSPORTATION & MISC.				36.02
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				270.15
		Total ....A				2197.22
		<b>B</b>				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 160 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1440.00	1440.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				216.00
3		Total B				1656.00
4		Total A + B				3853.22
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>3853</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 37**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 240 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 240 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	1072.00	1072.00
		ADD:3% CONTINGENCIES				32.16
		ADD:2% STORAGE CHARGES				21.44
		ADD:2% TRANSPORTATION & MISC.				21.44
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				160.80
		Total ....A				1307.84
		<b>B</b>				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 160 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1440.00	1440.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				216.00
3		Total B				1656.00
4		Total A + B				2963.84
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2964</b>

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 38**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 185 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 185 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	881.00	881.00
		ADD:3% CONTINGENCIES				26.43
		ADD:2% STORAGE CHARGES				17.62
		ADD:2% TRANSPORTATION & MISC.				17.62
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				132.15
		Total ....A				1074.82
		<b>B</b>				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 110 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1325.00	1325.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				198.75
3		Total B				1523.75
4		Total A + B				2598.57
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2599</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 39**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 150 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 150 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	802.90	802.90
		ADD:3% CONTINGENCIES				24.09
		ADD:2% STORAGE CHARGES				16.06
		ADD:2% TRANSPORTATION & MISC.				16.06
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				120.44
		Total ....A				979.54
		<b>B</b>				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 110 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1325.00	1325.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				198.75
3		Total B				1523.75
4		Total A + B				2503.29
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2503</b>

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 40
11KV 120 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		A				
1		11KV 120 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	718.00	718.00
		ADD:3% CONTINGENCIES				21.54
		ADD:2% STORAGE CHARGES				14.36
		ADD:2% TRANSPORTATION & MISC.				14.36
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				107.70
		Total ....A				875.96
		B				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 110 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1325.00	1325.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				198.75
3		Total B				1523.75
4		Total A + B				2399.71
		TOTAL			Say Rs.	2400

**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 41**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 95 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
		<b>A</b>				
1		11KV 95 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	668.00	668.00
		ADD:3% CONTINGENCIES				20.04
		ADD:2% STORAGE CHARGES				13.36
		ADD:2% TRANSPORTATION & MISC.				13.36
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				100.20
		Total ....A				814.96
		<b>B</b>				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 110 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1325.00	1325.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				198.75
3		Total B				1523.75
4		Total A + B				2338.71
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2339</b>



**UTTAR GUJARAT VIJ COMPANY LIMITED**

**ITEM 42**

**COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23**

**11KV 70 MM2 XLPE ALLUMINIUM, 3 CORE CABLE INCLUDING LAYING BY PUSH THROUGH METHOD**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		<b>A</b>				
1		11KV 70 mm2 XLPE Alluminium, 3 Core Cable	Mtrs.	1.00	489.00	489.00
		ADD:3% CONTINGENCIES				14.67
		ADD:2% STORAGE CHARGES				9.78
		ADD:2% TRANSPORTATION & MISC.				9.78
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				73.35
		Total ....A				596.58
		<b>B</b>				
2		Providing and Laying of HDPE Pipe confirming to IS 4984:1955 (Amendment no. 2) having 110 mm Diameter and minimum 5 mm Thickness at a minimum Depth of 1200 mm below the road surface by Push through method, drilling the road with HDD machine/manually without breaking the road surface and laying of any size of HT XLPE insulated Aluminum armoured Cable through the duct as per the instruction of EIC and specifications including cost of HDPE Pipe.	Mtrs.	1.00	1325.00	1325.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				198.75
3		Total B				1523.75
4		Total A + B				2120.33
		<b>TOTAL</b>			<b>Say Rs.</b>	<b>2120</b>

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 43
11KV LOAD BREAK SWITCH PANEL FOR TRANSFORMER						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
1		11KV LOAD BREAK SWITCH PANEL EQUIPPED	NO.	1.00	89600.00	89600.00
		WITH EARTHING SWITCH WITH ENCLOSURE				
		FOR OUTDOOR USE				
2		COST OF MATERIALS				89600.00
3		ADD:3% CONTINGENCIES				2688.00
4		ADD:2% STORAGE CHARGES				1792.00
5		ADD:2% TRANSPORTATION & MISC.				1792.00
6		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				13440.00
7		A				109312.00
8		LABOUR CHARGES FOR PROVIDING	Lumpsum	1.00	3489.00	3489.00
		11KV LOAD BREAK SWITCH PANEL				
		AT TRANSFORMER CENTER				
9		LABOUR CHARGES...				3489.00
10		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				523.35
11		B				4012.35
12		A+B				113324.35
		TOTAL ESTIMATE			Say Rs.	113324

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 44
11KV COMPACT TRANSFORMER CUBICAL (CTC)						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		11kV Compact Transformer Cubical without Transformer but with LT Metering CT 400/5 Amp having CT PT Terminal box and energy meter box. Capacity of Cubical shall be of 10 to 200 kVA Transformer with 11kV side 630 Amp Load Break Switch and HRC fuse capacity of 20 Amp and LT Side 5 Nos. of Outgoing feeders with facility to install MCCB up to 250 Amp	No.	1.00	289600.00	289600.00
		ADD:3% CONTINGENCIES				8688.00
		ADD:2% STORAGE CHARGES				5792.00
		ADD:2% TRANSPORTATION & MISC.				5792.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				43440.00
		Total ....A				353312.00
		B				
2		Installation, Testing & Commissioning of Compact Transformer Cubicle	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				369506.30
		TOTAL			Say Rs.	369506



UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 45
11KV HT METERING CUBICAL WITH HT LOAD BREAK SWITCH						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		11kv HT Metering Cubical with HT Load Break Switch, Earth Switch and HRC Fuse excluding CTPT and Meter	No.	1.00	169600.00	169600.00
		ADD:3% CONTINGENCIES				5088.00
		ADD:2% STORAGE CHARGES				3392.00
		ADD:2% TRANSPORTATION & MISC.				3392.00
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				25440.00
		Total ....A				206912.00
		B				
2		Installation,Testing & Commissioning of HTMC (with LBS)	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				223106.30
		TOTAL			Say Rs.	223106

UTTAR GUJARAT VIJ COMPANY LIMITED						
COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23						ITEM 46
11KV HT METERING CUBICAL WITH HT CIRCUIT BREAKER						
SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS).	AMOUNT (RS.)
		A				
1		11kV HT Metering Cubical with HT Circuit Breaker, Earth Switch and HRC Fuse excluding CTPT and Meter	No.	1.00	462247.00	462247.00
		ADD:3% CONTINGENCIES				13867.41
		ADD:2% STORAGE CHARGES				9244.94
		ADD:2% TRANSPORTATION & MISC.				9244.94
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				69337.05
		Total ....A				563941.34
		B				
2		Installation,Testing & Commissioning of HTMC (with LBS)	No.	1.00	14082.00	14082.00
		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				2112.30
3		Total B				16194.30
4		Total A + B				580135.64
		TOTAL			Say Rs.	580136

## UTTAR GUJARAT VIJ COMPANY LIMITED

ITEM 47

## COST DATA FOR UNDERGROUND POWER SUPPLY NETWORK FOR FY 2022-23

**11 KV DOUBLE POLE STRUCTURE FOR OUTDOOR UNDERGROUND TRANSFORMER ON PSC 10 MTR POLE (Without Fencing)**

SR NO	ITEM CODE NO.	PARTICULARS	UNIT	QTY	UNIT RATE (RS.)	AMOUNT (RS.)
1	26 11 00 0003	PSC POLE 10M/ 200 KG	NO.	2	4353.00	8706.00
2		TOP C CHANNEL	NO.	2	2802.00	5604.00
	26 09 00 0053	M.S. Channel 100x50x6mm - 2805MM FOR TOP FABRI.	No	2	2802.00	5604.00
3		BOX TYPE CHANNEL FOR TRANSFORMER	NO.	2	7518.00	15036.00
	26 09 00 0047	M.S. Channel 100x100x6mm - 2860MM	No	2	7518.00	15036.00
4		SIDE C CHANNEL (SMALL) FOR TRANSFORMER	NO.	4	514.00	2056.00
	26 17 00 0005	M.S. Channel 100x50x6mm - 765MM	No	4	514.00	2056.00
5		BRESHAN PATTI AND CLAMP	NO.	4	368.00	1472.00
		65 X 10 MM PATTI	No	4	187.00	748.00
		65 X 10 MM CLAMP	No	4	181.00	724.00
6		OTHER CLAMPS	NO.	4	237.00	948.00
		Small Clamp 65 X 10 MM	No	4	110.00	440.00
		Medicum Clamp 65 X 10 MM	No	4	127.00	508.00
7		SUNDRY MATERIALS SUCH AS PG CLAMPS, BOLTS & NUTS ETC.				7901.00
	15 01 00 0024	(a) M.S.Bolts & Nuts 65x16mm	KG	2.40	103.33	247.99
	15 01 00 0031	(b) M.S.Bolts & Nuts 220x16mm	KG	6.67	103.33	689.42
	15 01 00 0038	(c) M.S.Bolts & Nuts 300x16mm	KG	6.70	103.33	691.79
		(d) G I Pipe	Mtr	3	925.00	2775.00
		(e) HDPE Pipe	Mtr	3	525.00	1575.00
		(f) Heavy duty finolex make PVC Pipe 100 mm dia 10kgf/cm2	Feet	10	114.18	1141.80
		(g) Clamp made from 50*6 mm G I Flat	Set	6	130.00	780.00
8	26 99 00 0006	CAUTION & DANGER BOARD.	NO.	2	60.00	120.00
9		ANTI CLAIMING DEVICES.	NO.	2	120.00	240.00
	01 03 00 0070	Barbed wire - 1.591 Kg for 1 No. anticlimbing device	NO.	2	120.00	240.00
10		COST OF MATERIALS				42083.00
		ADD:3% CONTINGENCIES				1262.49
		ADD:2% STORAGE CHARGES				841.66
		ADD:2% TRANSPORTATION & MISC.				841.66
		ADD:15% SUPERVISION CHARGES ON COST OF MATERIALS				6312.45
11		A				51341.27
12		(A) CARTING OF PSC POLE AT DESTINATION	NO.	2	450.00	900.00
13		(B) CARTING OF LINE MATERIALS TO SITE			---LS---	500.00
14		LABOUR CHARGES FOR ERECTION OF D.P. STRUCTURE ON PSC POLE WITH HDPE / GI PIPE	SET	1	4433.00	4433.00
16		CONCRETING OF GUY WITH MATERIAL(1:2:4)	CMT	0.84	5919.00	4957.16
17		LABOUR CHARGES				10790.16
18		ADD:15% SUPERVISION CHARGE ON LABOUR CHARGES				1618.52
19		B				12408.69
20		A+B				63749.95
		TOTAL ESTIMATE			Say Rs.	63750