



UTTAR GUJARAT VIJ COMPANY LIMITED

CIN – U40102GJ2003SGC042906,GST No.-24AAACU6551F1Z1

**Annual Rate Contract for underground work for laying 11KV XLPE cable under Patan City-2 SDn, Division Office Patan UGVCL**

**SCHEDULE:B FOR LAYING OF UNDERGROUND CABLE NETWORK**

Sr.No.	Description	Unit	Quantity	Rate per Unit in Rs.	Total Amount in Rs.
1	Laying (including installation, testing and commissioning) of various size of Single circuit 11 KV XLPE insulated Alluminum 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). Only Cable will be supplied by UGVCL.	MTR	1250	335	418750
2	Laying (including installation, testing and commissioning) of various size of Double circuit 11 KV XLPE insulated Aluminum armoured Cable in ground in single trench 1200 mm deep and 500 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). Only Cable will be Supplied by UGVCL.	MTR	400	468	187200
3	Labour work for laying of HT cable open from air grounding to gentry including carting.	MTR	125	38	4750
4	Supply and Installation of clamps made from 50*6 mm GI flat (Minimum weight of flat 1.6 Kg per Set) for fitting for 110 mm GI/HDPE Pipe above ground	SET	10	130	1300

Schedule - B

Signature of Tenderer  
Place:

Company's Round Seal  
Signature of Tenderer

Page 1 of 5  
Date:



UTTAR GUJARAT VIJ COMPANY LIMITED

CIN – U40102GJ2003SGC042906,GST No.-24AAACU6551F1Z1

	with the Pole including cost of nuts & bolts.				
5	Supply and Installation of clamps made from 50*6 mm GI flat (Minimum weight of flat 1.8 Kg per Set) for fitting for 160 mm GI/HDPE Pipe above ground with the Pole including cost of nuts & bolts.	SET	10	150	1500
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/Trench.	MTR	125	150	18750
7	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 excluding cost of HDPE Pipe. Only Cable will be supplied by UGVCL. (For 240 & 300 mm <sup>2</sup> XLPE cable)	MTR	125	800	100000
8	Supply of HDPE Pipe having 160 mm Diameter and minimum 5 mm Thickness confirming to IS 4984:1955 (Amendment no. 2) for laying of 11 KV XLPE Cable.	MTR	125	640	80000
9	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. Only Cable will be supplied by UGVCL.	MTR	125	1440	180000
10	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	MTR	125	1350	168750

Schedule - B

Signature of Tenderer  
Place:

Company's Round Seal  
Signature of Tenderer

Page 2 of 5  
Date:



UTTAR GUJARAT VIJ COMPANY LIMITED

CIN – U40102GJ2003SGC042906,GST No.-24AAACU6551F1Z1

	cost of HDPE Pipe. Only Cable will be supplied by UGVCL.				
11	Supply of HDPE Pipe having 110 mm Diameter and minimum 5 mm Thickness confirming to IS 4984:1955 (Amendment no. 2) for laying of 11 KV XLPE Cable.	MTR	125	525	65625
12	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 excluding cost of HDPE Pipe. Only Cable will be supplied by UGVCL. (For 70 & 185 mm <sup>2</sup> XLPE cable)	MTR	125	825	103125
13	Laying of Medium grade B Class GI Pipe having 110 mm Diameter 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 GI Pipe. Only Cable will be supplied by UGVCL.	MTR	125	1240	155000
14	Supply and Fixing of Medium grade GI Pipe having 110 mm Diameter and minimum length 2.5 meter required having weight 9 to 10 kg/Mtr.	MTR	125	925	115625
15	Laying of Medium grade B Class GI Pipe having 160 mm Diameter 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 GI Pipe. Only Cable will be supplied by UGVCL.	MTR	125	1490	186250
16	Supply and Fixing of Medium grade GI Pipe having 160 mm Diameter and minimum length 2.5 meter required having weight 10 to 11 kg / Mtr.	MTR	125	800	100000
17	Providing and Fixing of Heat Shrinkable Indoor Termination Kits for for 3-Core, 11 KV XLPE Aluminium armoured Cable as specified with	NO			

Schedule - B

Signature of Tenderer  
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Company's Round Seal  
Signature of Tenderer

Page 3 of 5  
Date:



UTTAR GUJARAT VIJ COMPANY LIMITED

CIN – U40102GJ2003SGC042906,GST No.-24AAACU6551F1Z1

	connection of leads including cutting, stripping of cable, insulations, providing compression type terminal, crimping of lugs with suitable crimping tool. (Quality make of Raychem / 3M (M-Seal) / Densons / Vikchem etc.)				
A	70 mm <sup>2</sup> HT XLPE Cable	NO	1	4718	4718
B	185 mm <sup>2</sup> HT XLPE Cable	NO	2	4953	9906
C	240 mm <sup>2</sup> HT XLPE Cable	NO	1	5252	5252
D	300 mm <sup>2</sup> HT XLPE Cable	NO	1	5549	5549
18	Providing and Fixing of Heat Shrinkable Outdoor Termination Kits for 3-Core, 11 KV XLPE Aluminium 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. (Quality make of Raychem / 3M (M-Seal) / Densons / Vikchem etc.)				
A	70 mm <sup>2</sup> HT XLPE Cable	NO	1	5664	5664
B	185 mm <sup>2</sup> HT XLPE Cable	NO	10	5982	59820
C	240 mm <sup>2</sup> HT XLPE Cable	NO	1	6378	6378
D	300 mm <sup>2</sup> HT XLPE Cable	NO	1	6676	6676
19	Providing and Fixing of Heat Shrinkable Straight Jointing Kits for for 3-Core, 11 KV XLPE Aluminium 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. ( Quality make of Raychem / 3M (M-Seal) / Densons / Vikchem etc.)				
A	70 mm <sup>2</sup> HT XLPE Cable	NO	1	7199	7199
B	185 mm <sup>2</sup> HT XLPE Cable	NO	10	7655	76550
C	240 mm <sup>2</sup> HT XLPE Cable	NO	1	7880	7880
D	300 mm <sup>2</sup> HT XLPE Cable	NO	1	8040	8040
20	Providing and Fixing of "Route marker" of CC 1:2:4, 150 mm X 150 mm X 750 mm Concrete stone embedded in earth at least 300 mm below the GL and 450 mm above GL at distance of approximately 100 Meter 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" including material, painting &labour charges for excavation& refilling.	MTR	1000	400	400000
TOTAL AMOUNT OF TENDER = Rs.					2490257

Schedule - B

Signature of Tenderer  
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Page 4 of 5  
Date:



UGVCL

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CIN – U40102GJ2003SGC042906, GST No.-24AAACU6551F1Z1



Schedule - B

Signature of Tenderer  
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Page 5 of 5  
Date: