



UTTAR GUJARAT VIJ COMPANY LIMITED

CIN – U40102GJ2003SGC042906,GST No.-24AAACU6551F1ZI

**Annual Rate Contract for Labour charges for underground work for laying 11 kV XLPE cable of approved work in Mehsana Rural SDN Under Mehsana DO .
PR NO:-414511**

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	1000	335	335000.00
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	250	468	117000.00
3	Labour work for laying of HT cable open from air grounding to gentry including carting.	MTR	10	38	380.00

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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 with the Pole including cost of nuts & bolts.	SET	10	130	1300.00
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	1500.00
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	10	150	1500.00
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 ² XLPE cable)	MTR	20	800	16000.00
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	20	640	12800.00
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	20	1440	28800.00
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	MTR	20	1350	27000.00

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	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.				
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	1200	525	630000.00
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 including cost of HDPE Pipe. Only Cable will be supplied by UGVCL. (For 70 & 185 mm ² XLPE cable)	MTR	1200	825	990000.00
13	Laying of Medium grade 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	10	1240	12400.00
14	Supply and Fixing of Medium grade GI Pipe having 110 mm Diameter and minimum length 2.5 meter	MTR	20	925	18500.00
15	Laying of Medium grade 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	10	1490	14900.00
16	Supply and Fixing of Medium grade GI Pipe having 160 mm Diameter and minimum length 2.5 meter	MTR	10	800	8000.00
17	Providing and Fixing of Heat Shrikable Indoor	NO			

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	Termination 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 ² HT XLPE Cable	NO	1	4718	4718.00
B	185 mm ² HT XLPE Cable	NO	5	4953	24765.00
C	240 mm ² HT XLPE Cable	NO	5	5252	26260.00
D	300 mm ² HT XLPE Cable	NO	1	5549	5549.00
18	Providing and Fixing of Heat Shrikable 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 ² HT XLPE Cable	NO	1	5664	5664.00
B	185 mm ² HT XLPE Cable	NO	12	5982	71784.00
C	240 mm ² HT XLPE Cable	NO	5	6378	31890.00
D	300 mm ² HT XLPE Cable	NO	1	6676	6676.00
19	Providing and Fixing of Heat Shrikable Stright 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 ² HT XLPE Cable	NO	1	7199	7199.00
B	185 mm ² HT XLPE Cable	NO	5	7655	38275.00
C	240 mm ² HT XLPE Cable	NO	5	7880	39400.00
D	300 mm ² HT XLPE Cable	NO	1	8040	8040.00
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	30	400	12000.00

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UGVCL

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	TOTAL AMOUNT OF TENDER = Rs.				2497300.00