



UGVCL/TALOD DIVISION/E-TENDER/2026-27/ No.14

OPEN TENDER FOR LAYING OF UNDERGROUND CABLE REALATED WORKS AT VARIOUS LOCATION UNDER BAYAD, SATHAMBA & CHOILA SDN UNDER TALOD DO.					
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	250	335	83750
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
3	Laying of various size of 11 KV XLPE insulated Aluminium armoured cable above ground in air for termination of cable on pole as per site	MTR	150	38	5700

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

(A subsidiary of Gujarat Urja Vikas Nigam Limited)

	condition and instruction of engineer in charge ( Excluding cost of clamp and pipe )ground level as per original. As per specification and drawing of UGVCL(RCC half round pipe should be provide throughout in cable without gap, Only cable will be supplied by UGVCL				
4	Supply and installation for set of clamps of clamps made from 50*6 mm GI flat ( Min weight of flat 1.6 KG per set) for fitting for 110mm GI/HDPE pipe above ground with the pole ( with cost of nuts & bolts)	Nos.	100	130	13000
5	Supply and installation for set of clamps of clamps made from 50 x6 mm GI flat ( Min weight of flat 1.8 KG per set) for fitting for 160mm GI/HDPE pipe above ground with the pole ( with cost of nuts & bolts)	Nos.	100	150	15000
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	120	150	18000
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 1200mm below the road surface by push through method by drilling the road with HDD machine/manually without breking the road surface and laying of nay size of HT/LT XLPE insulated aluminum the duct as per the instruction of EIC and specifications (without cost of HDPE pipe,cable will be supplied by UGVCL)	MTR	120	825	99000
8	Supply of HDPE pipe having 110/120 mm diameter (As required), minimum thickness 5 mm as per IS ( Amendment no.2 IS 4894:1995) for laying of PE 100,6kg/cm2 for 11 kc XLPE cable.	MTR	100	525	52500



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9	Supply and Fixing of medium grade GI pipe of size of 110 mm Diameter (Min 2.5 meter required) Weight 9 to 10 kg/Mtr.	MTR	100	925	92500
10	Indoor application: HT push on/heat shrinktype end termination preferably for at switchgear end boxes, transformer(PAD/Pole mounted) for 3 core 185 Sq mm 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. ( As per Technical Specification)	Nos.	50	4953	247650
11	Indoor application: HT push on/heat shrink type end termination preferably for at switchgear end boxes, transformer( PAD/Pole mounted) for 3 core 240 Sq mm 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. ( As per Technical Specification)	Nos.	50	5252	262600
12	Providing and fixing HT push on/heat shrink type end outdoor termination kit of 3M/Raychem/Frontier/Yamuna 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, outdoor application(120/150/185 mm2 HT XLPE Cable)	Nos.	50	5982	299100
13	Providing and fixing HT push on/heat shrink type end outdoor termination kit of 3M/Raychem/Frontier/Yamuna 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	Nos.	43	6378	274254

Schedule - B

Signature of Tenderer  
Place:Company's Round Seal  
Signature of TendererPage 3 of 5  
Date:



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	type terminal, crimping of lugs with suitable crimping tool, outdoor application(240mm <sup>2</sup> HT XLPE Cable)				
14	Providing and fixing HT push on/heat shrink type Straight joint 3M/Raychem/Frontier/Yamuna 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. (120/150/185 mm <sup>2</sup> HT XLPE Cable)	Nos.	40	7655	306200
15	Providing and fixing HT push on/heat shrink type Straight joint 3M/Raychem/Frontier/Yamuna 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. (240 mm <sup>2</sup> HT XLPE Cable)	Nos.	40	7880	315200
16	Providing and fixing of Route Marker of CC 1:2:4, 150mm*150mm*750mm concrete stone embedded in earth atleast 300mm below the GI and 450mm above GI 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	Nos.	50	400	20000
17	Supplying & Erecting of maintainance free earthingSystem comprising of 17.2mm dia 3mtr Long earthing electrode of low carbon steel electrode with 250 microns copper coating on cable armour as per specifications.	Nos.	65	4075	264875
18	Supply installation & commissioning of earthingconductor 25x3 mmG.I. strip for pole mountedtransformer and upto FSP,RMU as well as connection to be made To the earth pit. Rates	MTR	45	36	1620

Schedule - B

Signature of Tenderer  
Place:Company's Round Seal  
Signature of TendererPage 4 of 5  
Date:



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	inclusive of hot dipped hard wares & cable armour				
19	FRP Clamp for cable	Nos.	65	130	8450
20	FRP Clamp for Pipe	Nos.	65	150	9750
21	Cable Climbing on pole	Mtr.	65	170	11050
22	Welfare Cess @ 1% of Estimated Cost	Each	1	25171.99	25171.99
23	GST @ 18 %	Each	1	457626.78	457626.78
	TOTAL AMOUNT OF TENDER (In Rs.)				2999997.8

EXECUTIVE ENGINEER  
UGVCL, TALOD DO