

SCHEDULE-B

ARC for Laying, Testing & commissioning of UG Cable work (XLPE Cable to be supplied by DGVCL).

SR NO	PARTICULAR WORK	QTY	UNIT	RATE	AMOUNT
1	Labour charge for excavation of cable trench of 400mm width x 1200mm depth, in any type of soil for laying of cable of size up to 240 mm2 (For additional cable 200 mm additional width shall be considered i.e. half trench length is to be considered)		MTR	72.00	
2	Labour charge for excavation of cable trench of 600mm width x 1200mm depth, in any type of soil for laying of cable of size up to 240 mm2 (For additional cable 200 mm additional width shall be considered i.e. half trench length is to be considered)		MTR	109.00	
3	Labour charge for excavation of cable trench of 400mm width x 1500mm depth, in any type of soil for laying of cable of size up to 240 mm2 (For additional cable 200 mm additional width shall be considered i.e. half trench length is to be considered)		MTR	91.00	
4	Labour charge for laying of 11 kV / 22 kV Meter XLPE Cable of size up to 240 mm2 & preparation of sand layer 100mm thick, in the cable trench & covering the cable with 150 mm dia (Outer), thickness 25 mm, 1.0 meter long RCC half round muffs and providing and fixing of 4inch width yellow colour polyethylene tape with printing "CAUTION ELECTRIC CABLE BELOW" at 0.75 m depth from ground surface after laying cable in trench. This will provide indication that electric cable is passing underground so as to protect cable from mechanical injuries, refilling the same, as per Instruction of Engineer in Charge (EIC).		MTR	171.00	
5	Labour charge for horizontal drilling using Meter Auger machine without damage to surface road at max 2.0 mtrs depth & putting of 6.11 kg/cm2, class-4, Green color, 110mm O.D., 8.5mm thickness H.D.P.E. pipe confirms to IS 4984-1987(3rd revision) and BIS certification and laying of 11KV/22KV XLPE cable of size up to 240 mm2 in HDPE pipe, as per Site Condition (excluding cost of pipe). The detail map obtained from HDD machine and excel sheet (hard and soft copy) indicating the respective depth and distance from adjacent landmark for each segment for HOD is must require to be submitted. HOD to be carried out at depth 1.5 mtrs to 2.0 mtrs as per site conditions and as per instruction of EIC		MTR	860.00	
6	Labour charge for horizontal drilling manually without damage to surface road at max 2.0 mtrs depth & putting of 6.11 kg/cm2, class-4, Green color, 110mm O.D., 8.5mm thickness H.D.P.E. pipe confirms to IS 4984-1987(3rd revision) and BIS certification and laying of 11 KV/22KV XLPE cable of size up to 240 mm2 size, as per Site Condition (excluding cost of pipe). The detail map and excel sheet (hard and soft copy) indicating the respective depth and distance from adjacent landmark for each segment of cable to be submitted. Drilling to be carried out at depth Minimum 1.2 mtrs to 2.0 mtrs as per		MTR	615.00	
7	Supply of 6.11 kg/cm2, class-4, Green color, 110mm O.D., 8.5 mm thickness H.D.P.E. pipe confirms to IS 4984 and BIS certification for laying of underground 11 KV/22KV XLPE cable up to 240 mm2 size		MTR	430.00	
8	Labour work for RCC concreting on disputed location and repairing of damage portion of road crossing for the work carried out for roads crossing as well as concreting & mugging of poles including all materials (1:2:4)		CMT	3189.00	
9	Providing & fixing concrete stone routemarker of 300 mm width x 150 mm thick x 650 mm height embedded in earth at least 300 mm below & 350 mm above ground level respectively at distance approx. 50 meters along the length of cable. The RCC concreting (1:2:4) a necessary materials will be in bidder's scope of route marker is to be carried out 300 mm width x 150 mm thick x 300 mm below ground level as per instruction of Ele. The route marker should be with name of company with approved yellow colour-OGVCL. The distance from marker to cable and cable depth with feeder name etc., marked with arrow sign is to be painted on it. The route marker is to be fixed at location near to any fixed permanent location (not necessary to fix exact on top of cable) as per instruction EIC		NO	446.00	
10	Erection of D.P. (double pole) structure No using 9 / 11 Mtr. RSJ pole with cable connection arrangement along with fitting of necessary fabrication for 11KV cable including excavation of pit & refilling of earth as per instruction of Ele. (Exclusive of concreting & mugging of poles)		NO	2026.00	
11	Erection of Single pole structure using 9 to 11 Mtr RSJ pole with cable connection arrangement along with fitting of fabrication for 11KV/22 KV cable including excavation of pit & refilling of earth as per instruction of EIC (Exclusive of concreting and mugging of Pole)		NO	1047.00	
12	Erection of D.P (Double Pole) structure using 8 mtr PSC Pole with cable connection arrangement along with fitting of necessary fabrication for 11 kv Cable including excavation of pit & refilling of earth as per instruction of EIC		NO	1416.00	
13	Erection of Single pole structure using 8 Mtr PSC pole with cable connection arrangement along with fitting of fabrication for 11KV/22 KV cable including excavation of pit & refilling of earth as per instruction of EIC (Exclusive of concreting and mugging of Pole)		NO	613.00	
14	Labour charge for erecting of 11 kV / 22 kV Meter XLPE cable of size up to 240 mm2 on DP Structure with fixing of 02 Nos polymer cleats on top and middle part. Polymer cleats, nut bolt etc provided by contractor		per job	591.00	
15	Providing and fixing of 6.11 kg/cm2, class-4, Green color, 110mm O.D., 8.5mm thickness H.D.P.E. pipe confirms to IS 4984-1987(3rd revision) and BIS certification on the erected DP structure for the mechanical protection of cable by inserting the cable inside HDPE Pipe. The HDPE Pipe shall be erected in such a way that 300 mm shall be below ground level and the rest 2700 mm shall be supported on DP Structure with 01 nos of polymer cleat. All material including polymer cleat and nut bolt provided by contractor.		per JOB	1461.00	
16	Providing and fixing of pipe type earthing from 80 mm dia class-B GI pipe with pit to be filled with salt & coke and construction of chamber as per DGVCL drawing No.DG/100 for DP and cable. Cable. The Earthing pit should be joined with G.I. strip of size 1 " Width X 2 mm thick. All material GI Pipe, Coke, Salt etc will be supplied by bidder		NO	3635.00	
17	Supply & fixing of heat shrink type end terminations (outdoor) for 11kV 3C x 185 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	3635.00	

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18	Supply & fixing of heat shrink type end terminations (outdoor) for 22 kV 3C x 185 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	6231.00	
19	Supply & fixing of heat shrink type end terminations (indoor) for 11kV 3C x 185 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	3635.00	
20	Supply & fixing of heat shrink type end terminations (indoor) for 22 kV 3C x 185 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	6231.00	
21	Supply & fixing of heat shrinkable straight through joint for up to 11kV 3C x 185 mm2 size XLPE cables as per DGVCL technical specification.		NO	6774.00	
22	Supply & fixing of heat shrinkable straight through joint for up to 22 kV 3C x 185 mm2 size XLPE cables as per DGVCL technical specification.		NO	11590.00	
23	Labour charge for excavation of 2100mm long x 1200mm wide x 1200 mm deep jointpits for installation of 11kV / 22kV Straight through joints as per instruction of engineer-in-charge & covering the cable with 150 mm dia (Outer), thickness 25 mm, 1.0 meter long RCC half round muffs & refilling same as per instruction of EIC		NO	399.00	
24	Providing and fixing of insulating bus bar made from 11KV/22KV XLPE cable after removal of semi conducting layer and applying of PVC heat shrinkable anti-tracking core insulating tubing (1.1KV), on both end terminal using Aluminium long barrel heavy duty up to 240 sq mm lugs, Aluminium bus connector. Taping with PG-clamp for bus conductor as per drawing and as per instruction of Ere. The Aluminium lugs and PG clamp shall be covered with 11 KV/22KV HT insulating tapes. (11KV/22KV XLPE cable will be in scope of DGVCL while all other materials will be in bidder's scope)		NO	1661.00	
25	Testing of cable at various points and commissioning the feeder as per instruction of engineer-in-charge. Test result shall be submitted by contractor with bill.		NO	2125.00	
26	Preparation and submission of 6 (six) copies, of complete layout drawings with GIS mapping as per actual cable routing showing road crossing, HOPE pipe sleeving, jointing locations, markers etc		set	2338.00	
27	Providing and fixing of Sign Board at junction point Made out of 2 mm aluminium sheet size 750x300 mm (2.5 x 1ft) rectangle as per design, pretreated with phosphate process and acid etching coated with one coat of epoxy primer and two coat best quality paints, reflectorised with high intensity retro-reflective sheeting as per the latest and frame fabricated from suitable size iron angle. The sign board is to be fixed on the base prepare from channel and bracing angle which is grouted by means of cement concreting of 1:2:4 for size of 300 mm Dia * 800 mm height (500 mm to be grouted in ground). The Details to be displayed on sign board will be given by engineer incharge. (a) Hi intensity prismatic grade		NO	10023.00	
28	Providing and fixing of Sign Board (Danger Board) on Distribution transformer center made out of 2 mm aluminium sheet size 300*300 mm (1*1 ft) as per design pretreated with phosphate process and acid etching coated with one coat of epoxy primer and two coat best quality paints reflectorised with high intensity retro-reflective sheeting as per the latest and frame fabricated from suitable size iron angle. The sign board (Danger Board) is to be fixed at the location as per instruction of Engineer in Charge (a) Hi intensity prismatic grade		NO	2805.00	
29	Provide and fixing of aluminium tag of size 250mm (L) x 75 mm (W) (3mm Al Sheet) along with 1.0mm dia Al binding wire for fixing tag near end terminations joints at DP structure for identifying cable. The feeder name details should be punched on the tag by letter punch (16mm Size) as per EIC		NO	83.00	
30	Supply & fixing of heat shrink type end terminations (outdoor) for 11kV 3C x 240 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	4427.00	
31	Supply & fixing of heat shrink type end terminations (outdoor) for 22 kV 3C x 240 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	6231.00	
32	Supply & fixing of heat shrink type end terminations (indoor) for 11kV 3C x 240 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	4338.00	
33	Supply & fixing of heat shrink type end terminations (indoor) for 22 kV 3C x 240 mm2 size XLPE cable. (Using approved make outdoor type cable kit as per DGVCL technical specification)		NO	6231.00	
34	Supply & fixing of heat shrinkable straight through joint for up to 11kV 3C x 240 mm2 size XLPE cables as per DGVCL technical specification.		NO	6829.00	
35	Supply & fixing of heat shrinkable straight through joint for up to 22 kV 3C x 240 mm2 size XLPE cables as per DGVCL technical specification.		NO	11590.00	
36	Laying of any size of 11/22 KV XLPE Cable in readymade trench or in open space		per cable per meter	27.00	
37	Laying Charge of overhead HT XLPE cable (Including hydra charges)		per meter	70.00	
	Total:				4,500,000

All the rates are including of P.F & Work Contract Tax and Excluding of GST applicable time to time

NOTE :- Original terms and condition of reference circular bound to agency for all works.

Special Note :- The Bidder must have minimum 2 fault locator machine in order to attend the UG Cable faults simultaneously at different locations if required so as to minimize interruption period and revenue loss incurred therein.

Executive ENGINEER (O&M)

D.G.V.C.L
RAJPIPLA DIVISION OFFICE

REFERENCE CIRCULAR

- 1) ALL RATES ARE TAKEN FROM COST DATA CIR.NO: DGCS/1197/06/2023 Dt. 26-06-2023 and UG Cable Revised as per Letter No DGCS/1411/01/2025 Dt: 27-01-2025