

CHAPTER 5

UNDER GROUND CABLES

Schedule Item No.	Description of Item	Unit	Complete Rate	Labour Rate
501	Supply and laying of aluminium conductor PVC insulated armoured served sheathed cables 1100 Volts grade at a depth of 750 mm below ground level over a cushion of 75 mm. thick sand all around and protected with burnt bricks on sides and on top. On surface the cable run shall be fixed on M.S. clamps etc. of suitable size or as directed by the Engineer-Incharge complete in all respect. The armouring of the cable shall be properly connected with the earth conductor by clamps etc.			
(a)	6 sq. mm 2 core	Mtr.	263.00	197.00
(b)	10 sq. mm 2 core	Mtr.	277.00	197.00
(c)	16 sq. mm 2 core	Mtr.	306.00	197.00
(d)	4 sq. mm 3 core	Mtr.	260.00	197.00
(e)	6 sq. mm 3 core	Mtr.	275.00	197.00
(f)	4 sq. mm 4 core	Mtr.	274.00	197.00
(g)	6 sq. mm 4 core	Mtr.	295.00	197.00
(h)	10 sq. mm 4 core	Mtr.	325.00	197.00
(i)	16 sq. mm 4 core	Mtr.	376.00	197.00
(j)	25 sq. mm 3-1/2 core	Mtr.	402.00	197.00
(k)	35 sq. mm 3-1/2 core	Mtr.	448.00	197.00
(l)	50 sq. mm 3-1/2 core	Mtr.	630.00	197.00
(m)	70 sq. mm 3-1/2 core	Mtr.	774.00	206.00
(n)	95 sq. mm 3-1/2 core	Mtr.	960.00	206.00
(o)	120 sq. mm 3-1/2 core	Mtr.	1110.00	206.00
(p)	150 sq. mm 3-1/2 core	Mtr.	1280.00	219.00
(q)	185 sq. mm 3-1/2 core	Mtr.	1528.00	219.00
(r)	240 sq. mm 3-1/2 core	Mtr.	1896.00	219.00
(s)	300 sq. mm 3-1/2 core	Mtr.	2272.00	232.00
(t)	400 sq. mm 3-1/2 core	Mtr.	2808.00	232.00
502	Supply and fixing of outdoor cable end box M-seal or equivalent complete with porcelain bushings (in outdoor only) filling the box with approved compound for P.V.C. cables, insulating with tapes etc. complete in all respect including making connection with overhead wires. (a) to (r)		Deleted	

Schedule	Description of Item	Unit	Complete	Labour
Item No.			Rate	Rate
503	Supply and fixing of brass nickel plated compression gland for PVC insulated & armoured served sheathed, underground cable including rubber ring etc. complete in all respect. The armoring of the cable shall be properly connected with the earth as per direction of Engineer-Incharge.			
(a)	6 sq. mm 2 core	each	72.00	50.00
(b)	10 sq. mm 2 core	each	80.00	50.00
(c)	16 sq. mm 2 core	each	100.00	50.00
(d)	4 sq. mm 3 core	each	60.00	50.00
(e)	6 sq. mm 3 core	each	72.00	50.00
(f)	4 sq. mm 4 core	each	60.00	50.00
(g)	6 sq. mm 4 core	each	72.00	50.00
(h)	10 sq. mm 4 core	each	80.00	50.00
(i)	16 sq. mm 4 core	each	100.00	50.00
(j)	25 sq. mm 3-1/2 core	each	110.00	50.00
(k)	35 sq. mm 3-1/2 core	each	152.00	96.00
(l)	50 sq. mm 3-1/2 core	each	164.00	96.00
(m)	70 sq. mm 3-1/2 core	each	166.00	96.00
(n)	95 sq. mm 3-1/2 core	each	195.00	96.00
(o)	120 sq. mm 3-1/2 core	each	198.00	96.00
(p)	150 sq. mm 3-1/2 core	each	248.00	115.00
(q)	185 sq. mm 3-1/2 core	each	303.00	115.00
(r)	240 sq. mm 3-1/2 core	each	355.00	144.00
(s)	300 sq. mm 3-1/2 core	each	455.00	144.00
(t)	400 sq. mm 3-1/2 core	each	645.00	144.00

Schedule Item No.	Description of Item	Unit	Complete Rate	Labour Rate
504	Supply and fixing of plain or pin type copper tin plated cable socket (lug) to the cable leads, insulating with tape and making connection etc. complete in all respect as per direction of the Engineer-Incharge.			
(a)	4 sq. mm	each	15.00	10.00
(b)	6 sq. mm	each	15.00	10.00
(c)	10 sq. mm	each	20.00	12.00
(d)	16 sq. mm	each	21.00	12.00
(e)	25 sq. mm	each	29.00	12.00
(f)	35 sq. mm	each	32.00	12.00
(g)	50 sq. mm	each	55.00	18.00
(h)	70 sq. mm	each	80.00	18.00
(i)	95 sq. mm	each	109.00	18.00
(J)	120 sq. mm	each	150.00	20.00
(k)	150 sq. mm	each	192.00	20.00
(l)	185 sq. mm	each	276.00	29.00
(m)	240 sq. mm	each	372.00	29.00
(n)	300 sq. mm	each	515.00	38.00
(o)	400 sq. mm	each	740.00	38.00
505	Supply and Fixing of cable route marker in suitable masonry enclosure as directed by the Engineer-Incharge.	each	340.00	37.00
(I) High Tension 11 KV Grade XLPE				
506 (a)	Supply and laying of 3 core standard aluminium conductor XLPE (Cross linked polyethylene) insulated PVC bedded, Galvanised flat steel strip armoured cables conforming to I.S. 7098 (Part-II with latest amendments) 11 KV grade at a depth of 900 mm below ground level over a cushion of 100 mm thick fine river sand all around and protected with well burnt bricks on sides and on top put across. The armouring of cable shall be properly connected with earth conductor by clamps etc.			
(a)	25 sq. mm 3 core		Deleted	
(b)	35 sq. mm 3 core		Deleted	
(c)	50 sq. mm 3 core		Deleted	
(d)	70 sq. mm 3 core	Mtr.	1740.00	290.00
(e)	95 sq. mm 3 core	Mtr.	1824.00	299.00
(f)	120 sq. mm 3 core	Mtr.	2070.00	319.00
507	Deduct in item no. 501 (I) 501 (t) and 506 (a) to (f) when cables is passed through G.I./M.S. or Hume pipe in road crossing or along the wall. The cost of the G.I. pipe, hume pipe is to be extra when and where required.	Mtr.	166.00	.