

BHEL::HYDERABAD			
M&S-P&C DEPARTMENT			
TENDER REF.M&S/P&C/2019/77 DT.11/11/2019			
NAME OF WORK:REPAIR OF UNDER GROUND HT CABLES IN THE FACTORY			
SCOPE OF WORK			
S. No	Work Description	Unit	Quantity
1	Execution of the straight through joints for the following cables. All the required tools are in the scope of contractor		
	a) 3C X 95 Sq.mm, 11kV (UE) XLPE cable	Nos	4.00
	b) 1C X 630 sq.mm, 11kV (UE), armored XLPE Aluminum cable	Nos	3.00
	c) 1C X 500 sq.mm, 11kV (UE), armored XLPE Aluminum cable	Nos	4.00
	d) 3C X 185 sq.mm, 1.1KV, PILC cable	Nos	1.00
	e) 3.5C X 300 sq.mm, 1.1KV, PVC cable	Nos	4.00
2	Shifting, Laying & Dressing of the following HT cables. The job includes placing single core cables in trefoil formation		
	a) 3C X 95 sq.mm, 11kV (UE), armored XLPE Aluminum cable	Mtrs	20.00
	b) 1C X 630 sq.mm, 11kV (UE), armored XLPE Aluminum cable	Mtrs	200.00
	c) 1C X 500 sq.mm, 11kV (UE), armored XLPE Aluminum cable	Mtrs	40.00
	d) 3C X 185 sq.mm, 1.1KV, PVC cable	Mtrs	50.00
	e) 3.5C X 300 sq.mm, 1.1KV, PVC cable	Mtrs	20.00
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge	cu.m	5.00
4	Excavation of soil on both sides of the identified faulty cable to make jointing works and back filling.The work involves removal of pavement tiles wherever required, excavate the soil and removal of shabad stone & bricks and relaying, back filling after completion of cable jointing works.supply & spreading of sand, supply & laying of bricks & shabad stone as per IS:1255 1983 is in the scope of contractor. Cable joint markers are also in the scope of contractor	Mts	150
5	Shifting and execution of end termination kits and termination of 1C X 630 sq.mm HT cable inside VCB panel. The job includes opening of VCB terminal cover plate, re routing of cables up to 5m, bringing cables inside the termination chamber providing mechanical support to reduce load on insulators, tightening of cables after execution of kit, etc.	Nos	3
6	Supply of cable glands and lugs and termination of the following cables. The glands should be double compression gland. Work involves shifting of material, cutting the outer sheath, cutting of armour, inserting cable glands, removal of gland plate in the panel, making holes, inserting the cable in the panel, crimping of lugs and termination. Any other work not envisaged above is in the scope of contractor		
	a) 3C X 185 sq.mm, 1.1KV, PVC cable	Nos	1
	b) 3.5C X 300 sq.mm, 1.1KV, PVC cable	Nos	2