

**NATIONAL CENTRE FOR BIOLOGICAL SCIENCES
TATA INSTITUTE OF FUNDAMENTAL RESEARCH**

Name of the work - Supply, Laying and End termination of 3.5Core x 300Sqmm Armoured Aluminium Conductor cable at NCBS Campus, GKVK Bangalore

SECTION IV: SECDDULE OF QUANTITY

Sr. no	Description	unit	Qty	Rate (in Figures & words)	Total
	LT cables:-				
1	Supply of 1.1kV grade, 3.5 Core, XLPE insulated, and overall sheathed, stranded aluminum conductor, flat steel strip/wire armored cables conforming to IS:7098/part I (with latest amendments) and for following size. The cable shall bear ISI certification mark.				
a	3-1/2 Core x 300 Sq.mm	Mtrs	3900		
2	LT Cable laying charges				
a	Laying of 3.5 core, 1.1kV grade XLPE cables, armored aluminum conductor cables in ground, in all kind of soil, below ground level including transportation of cable of site, excavation, refilling with sand and baked bricks on top and sides and providing cable route/joint markers complete as per specifications and as per drawing no. NCBS/ELET/CAB/17/01				
	Laying of 6 nos. of cables, 3.5core, 300 Sq.mm (Note: 6 nos. of cable measured as a single run).	Mtrs	700		
b	Laying of 3.5 core, 1.1kV grade, XLPE cables armored aluminum conductor cable in existing trench/on cable tray, on wall/floor/ceiling/above false ceiling/below false floor/existing hume pipe/existing HDPE pipe including transportation of cable to site, removing of trench/false ceiling/false flooring covers and reclosing the covers after laying the cables in good condition with supply of all necessary materials such as brackets, clamps, MS spaces complete as required and as directed by EIC.				
	Laying of 6 nos. of cables, 3.5core, 300 Sq.mm (Note:6 nos. of cable measured as a single run)	Mtrs	100		

Sr. no	Description	unit	Qty	Rate (in Figures & words)	Total
3	End terminations of LT cables:				
a	Providing end terminations for 3.5 core, 1.1 kV grade XLPE insulated armoured, Aluminium conductor cables including supply of cable gland, lugs, neoprene bushes and other materials and tolls required complete with terminal connections, earthing of glands and as required and as directed by Engineer-in-charge.				
	3.5 core x 300 Sq.mm cables with aluminium conductor	each	12		
4	Straight through joints of LT cables:				
a	Providing straight through cable joints for 3.5 core, 300Sqmm, 1.1.kV XLPE insulated, Aluminium conductor armoured cables including supply of epoxy based straight through jointing kit, sealing putty, lugs and other materials required, excavation and refilling of earth if necessary complete as required and as directed by Engineer-in-charge.	each	6		
5	Hume pipe for road crossing				
	Supply and laying of following hume pipe with collars conforming to IS: 458 (with latest amendments) for road crossing including excavation and refilling of earth, drawing cables through the pipe as required.				
a	150 mm dia	Mtrs	16		
b	300 mm dia	Mtrs	20		
6	HDPE pipe for cable laying				
a	Supply and laying of 150mm inner dia sizes of High Density Poly Ethylene (HDPE) double wall corrugated pipe conforming to IS:14930 part-II(with latest amendments) for road crossing including excavation and refilling of earth complete as required.	Mtrs	30		

Sr. no	Description	unit	Qty	Rate (in Figures & words)	Total
7	Dismantling stone slab flooring laid in cement mortar including removal of mortar, stacking of serviceable material and disposal of unserviceable materials out of the campus	Sqmtr	130		
8	Laying of 16 to 18mm thick dismantled stone (under item 1 above) laid over a bed of 20mm thick cement mortar 1:6 and cement slurry at the rate of 4.4kg/sq.m for bedding and jointing including grouting the joints with pigments to match the shade of the slabs, finishing to required level, curing, cleaning, mopping, etc; complete all as per specifications at all heights in all floors.	Sqmtr	130		
9	Removing ,stacking, and refixing of existing Grass paver blocks of size 600x400x80mm along the cable lines to lay new cable work etc,. Complete as per directions of the Engineer-in-Charge	Sqmtr	1000		
10	Cutting full grout macadam (FGM) road surfaces including W.B.M and soling and making good the same inclusive of cost of supplying of bitumen and extra quantities of granite stone metal, gravel, etc; and re-rolling etc; complete all as directed by Engr-in-charge.	Sqmtr	10		
Total					
Note: The Contractor shall quote their rates in this schedule of quantity. Submission of tender in any other format is liable for rejection.					

Total amount in words:

Signature of the Contractor

Date :

Address: