

Schedule of work

Name of work: Supply and installation of feeder pillar box and allied cable laying work in the campus of IACS, Jadavpur.					
SI No.	Item description	Quantity	Unit	Rate	Amount
1	Supply and Installation of compartmentalized outdoor type feeder pillar box, having dimension 750mm X 600mm X 1050 mm, fabricated with powder coated, dust & vermin proof, 2mm thick CRCA sheet steel, suitable for 415V, 3-Phase, 50Hz AC supply. The feeder pillar box should contain 50 X 6 mm electrolytic grade TP copper bus-bar and 32 X 5 mm neutral bus bar along with all power & control terminals including wiring the terminals with FRLS PVC flexible copper wires of suitable size. The feeder pillar box should have provision for both side doors with provision for ventilation, foam rubber gasket, heat sleeves, rubber grommets, earth bus bar, door knob, LED indication lamps etc. complete as required. This job includes supply & fixing of "Danger plate" (200mm X 150mm) as per the relevant provision of IE Rule. This job includes fabrication of angle iron base having dimension 750mm X 600mm X 90 mm with C-Channel and 50X6 mm angle iron bars.	1	Set		
2	Supply, Installation, Testing & Commissioning of following rating 415V, 4-pole Thermomagnetic release MCCB in the existing feeder pillar box, complete as required.				
a)	400A, 36kA, 4-pole	1	Nos.		
b)	320A, 25kA, 4-pole	1	Nos.		
c)	200A TPN SFU (SFU will be supplied by IACS)	1	Nos.		
d)	63A TPN SFU (SFU will be supplied by IACS)	1	Nos.		
	Make: ABB/L&T/Legrand/Hager/Siemens				
3	Supplying of 3.5 core 300 sq.mm PVC sheathed/XLPE insulated armoured aluminium power cable of 1.1 KV grade as per IS : 7098 (part-1) 1988 etc. as required.	120	Meters		
	Make : Polycab,Gloster, KEI , Havells.				
4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required,but excluding sand cushioning and protective covering.				
a)	Above 185 sq.mm. and upto 400 sq.mm.	45	Meters		
5	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a)	Above 185 sq.mm. and upto 400 sq.mm. (clamped with 40X3mm) MS clamp	75	Meters		
6	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/ XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	3.5 X 300 sq.mm.	4	Each		
7	Supplying and laying of following DWC HDPE pipe ISI marked along with all accessories like socket,bend,couplers etc.conforming to IS 14930,part II complete with fitting and cutting, jointing etc. in the existing trench,complete as required.				
a)	120 mm dia (OD - 120 mm & ID - 103 mm nominal)	45	Meters		

SI No.	Item description	Quantity	Unit	Rate	Amount
8	Earthing with GI earth pipe 4.5mm long, 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with supplying of salt, charcoal etc., as required.	2	sets		
9	Supplying and laying of 25X5 mm GI strip at 0.50 meter below ground as strip earth electrode including connection/termination with GI nut bolt and spring washer etc., as required	15	Meter		
10	Supply and Installation of outdoor type (IP 54) metal enclosure, having dimension 1000 mm X 500mm X 450 mm, fabricated with powder coated, dust & vermin proof, 2mm thick CRCA sheet steel. The enclosure must have provision for ventilation, foam rubber gasket, heat sleeves, rubber grommets, door knob etc. This job includes supply & fixing of "Danger plate" (200mm X 150mm) as per the relevant provision of IE Rule. This job includes fabrication of angle iron base with C-Channel and 50X6 mm angle iron bars.	1	No.		
				Total	
Rupees.....Only					
NOTE: The quoted rate shall be inclusive of all taxes & duties, levies, cess etc i/c GST also. Nothing extra will be paid to the Contractor except the accepted rate.					
GST No:					
HSN/SAC code:					
CGST@ 6% considered in the above BOQ					
SGST@ 6% Considered in the above BOQ					