

SCHEDULE OF WORK

**Name of Work: SITC for 3-ph Stable Power Distribution Network through 10KVA Isolation Transformer at Lab No. 90(A), under Prof. D. N. Nath, for IACS, Jadavpur.**

Sl. No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount(Rs.)
01)	<b>Prewired TPN Distribution Board</b>				
	Supplying & Fixing following way, three pole and Neutral, prewired, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with loose wire box, terminal blocks, duly prewired with (loose wire box, terminal blocks, duly prewired with) suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	<b>4-Way (4+12), Double Door, Horizontal type.</b>	1	Set		
02)	<b>Prewired SP MCB DB:</b>				
	Supplying and Fixing following way, single pole and neutral, prewired, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with (loose wire box, terminal blocks, duly prewired with) suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	(2+4) Way double door.	2	Sets.		
03)	<b>S/F 'C' series, SP MCB</b>				
	Supplying and Fixing 5amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	Single Pole	12	Nos.		
b)	Triple Pole & Neutral	3	Nos.		
04)	<b>Cabling &amp; Associated works</b>				
a)	Supply of 1.1 KV grade XLPE insulated armoured copper / Aluminium cable conforming to IS 1554 (part-I) of following size.				
i)	4C X 6 sq.mm. CU (armoured) cable	25	Mtrs.		

b)	Laying of one no XLPE power cable (of 1.1 KV grade 4C X 6 sq.mm CU cable) along with the wall surface with 4mm copper wire	50	Mtrs.		
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05)	<b>End Termination</b>	Qty	Unit		
	Supply & Making end termination with brass compression gland & copper lugs for following size of PVC insulated & PVC sheathed / XLPE Al. Conductor cable of 1.1 KV grade as required.				
i)	4C X 6 sq.mm. XLPE copper cable	8	Nos.		
06)	<b>Circuit/Sub-main wiring in PVC conduit:</b>				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class with PVC conductor as required.				
i)	(2 X 2.5sq.mm + 1 X 2.5sq.mm) earth wire	50	Mtrs.		
07)	<b>S/F Power plug point modular type accessories:</b>				
	Supplying and Fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6pin 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	4	Nos.		
08)	<b>Copper earth plate electrode:</b>				
	Earthing with copper earth plate 600mm X 600mm X 3mm thick including accessories, and providing masonry enclosure with copper plate having locking arrangement and watering pipe (of 2.7 meter long) etc. (But without charcoal or coke and salt) as per CPWD specification.	2	Sets.		
09)	<b>P/F 25mm X 5mm copper earth strip in surface/recess:</b>				
	Providing and Fixing 25mm X 5mm copper strip on surface or in recess for connections etc. as required.	40	Mtrs.		
10)	<b>P/F 50mm X 5mm earth bus on surface:</b>				
	Providing and Fixing earth bus of 50mm X 5mm copper strip on surface for connections etc. as required.	1	Mtr.		
11)	Miscellaneous & Contingency work @ of 5% of total work				