

**Bill of Quantity**

for

**Electrification of works in the newly allotted space use as a laboratory of School of Agriculture and Rural Technology at IITG Campus**

Sl. No.	Description of Item	Unit	Qty.	Rate in Figure (in Rs.)	Rate in Word	Amount (Rs.)
1	Supply and drawing following sizes of FR PVC insulated copper conductor,single core cable in the existing surface/recess/pVC conduit as required make Havells/Finolex/RR Kabel or equivalent					
	i) 2 x 4 sqmm + 1x 4sqmm earth wire	mtr	280.00			
	ii) 2 x 6 sqmm + 1x 6sqmm earth wire	mtr	40.00			
	iii) 4 x 6 sqmm + 2x 6sqmm earth wire	mtr	28.00			
	iv) 4x 16sqmm + 2x 6sqmm earth wire	mtr	55.00			
2	Supplying and fixing following modular type switch/socket on the existing swith box/cover including connection etc.as required make legrand or equivalent					
	(a) 15 Amp Switch	pcs	26.00			
	(b) 15 Amp socket	pcs	26.00			
3	Supply and fixing modular blacking plate on the existing modular plate & switch box excluding modular plate as required	pcs	10.00			
4	Supplying and , fixing of following modules GI boxes along with modular base & cover plate for modular switch in recess etc as required make havels crabtree					
	i) 1 or 2 Module	nos.	4.00			

	iii) 6 module	nos.	14.00			
<b>5</b>	Supplying and fixing of following ways surface/recess mounting vertical type 415V TPN MCB distribution board of sheet steel dust protected duly powder painted inclusive of 200A tinned copper busbar common neutral link earth bar din bar for mounting MCBs ( But without MCBs and incommer) as required ( Note: Vertical type MCCB TPDB is normally used where 3 phase outlet are required					
	i) 4 way (4 + 12), Double door	nos.	1.00			
<b>6</b>	Supply and fixing following way horizontal three pole and neutral sheet steel MCB distribution board 415V on surface/recess complete with tinned copper busbar neutral busbar , earth bar, din bar interconnection powderder paintyed including earthing etc as required ( But without MCB/RCCB/Isolator)					
	6 way ( 4+18) double door	nos.	1.00			
<b>7</b>	Supply and fixing 30amp 415V TPN industrial type socket outlet with 4 pole and earth metal enclosure plug top along with 20A C curve SP MCB MCB in sheet steel enclosure on surface or in recess with chained metal cover for the socket outlet and complete with testing and commissioining etc as required	nos.	1.00			
<b>8</b>	Supply and fixing 5amps to 32amp 240/415V 10KA C curve miniatutre ckt braker suitable for inductive load of following poles in the existing MCB DB complete with connection testing and commissioing etc as required					
	i) Single pole	nos.	14.00			
	ii) Triple pole	nos.	1.00			
	iii) Tripole and neutral	nos.	1.00			
<b>9</b>	Proding and fixing following rating and breaking capacity and pole MCCB with thermo magnetic release and thermal spreader in exiting cubicles panel board including drilling holes in cubicles panel, making connection etc as required					

	i) 100A ,16KA TP MCCB	nos.	1.00			
<b>10</b>	Supplying and laying of CAT-06 computer cable in existing conduit steel/PVC conduit and termination etc. as required make D-link	mtr	160.00			
<b>11</b>	Supply and fixing of following sizes of medium class PVC conduit along with accessories in the surface/recess including cutting the wall making good the same in case of recess conduit required					
	i) 20mm dia	mtr	150.00			
<b>12</b>	Installation testing and commissioning of prewired LED recess type light fittings of all accessories including connection with 1.5sqmm FRLS PVC insulated copper conductor single core cable earthing as required.	nos.	8.00			
<b>13</b>	Supplying and fixing of computer point RJ-45 modular type in compatible box along with cover plate etc. complete make legrand or equivalent	nos.	4.00			
<b>14</b>	Supply of 2'x2' recess mounting type 36W LED flat panel with PDC aluminium housing and PMMA diffuser makes it a robust luminaries CAT no- SSK-TVP-6060-36W (Make-SYSKA) or equivalent	nos.	8.00			
<b>TOTAL AMOUNT</b>						
Discount @ .....%, if any						
<b>GRAND TOTAL</b>						

Seal

Signature of the Tenderer

Date :