

BOQ

for

Name of Work: Renovation of electrical works of Squash Court at Old SAC building in IITG Campus.**NIT No: IITG/IPM/NIT/R/2024-25/19, Dated: 02.07.2024**

Sl. No.	Description of Item	Unit	Qty.	Rate (in Rs.)	Rate in Words	Amount (Rs.)
1.0	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.					
	a). Group B	Each	16			
2.0	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	a). 5/6 A switch	Each	15			
	b). 16 A switch	Each	2			
	c). 6 pin 15/16 A socket outlet	Each	2			
3.0	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
	a). 4 Module (125mmX75mm)	Each	2			
	b). 8 Module (125mmX125mm)	Each	1			
	c). 12 Module (200mmX150mm)	Each	1			

4.0	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
	a). 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	145			
	b). 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	90			
	c). 2 X 4.0 sq. mm + 1 X 4.0 sq. mm earth wire	Mtr	40			
5.0	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed Conduit as required.					
	a). 25 mm	Mtr	235			
6.0	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc., including supplying and fixing ball and socket arrangement, 2 Nos. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	16			
7.0	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).Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr.	150			

8.0	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
	a). 8 way (4 + 24), Double door	No	1			
9.0	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, 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	Each	12			
	b). Double pole	Each	2			
	c). Triple pole	Each	2			
10.0	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required					
	a). 125 A, 16 KA,TPMCCB	Each	1			
11.0	Supply of 3.5C 35 Sq.mm AL flexiable cable. (Make-KEI/Havells/RR Kabel/Finolex/Polycab)	Mtr	150			

12.0	Supply of 60watt surface mounted bottom opening LED cleanroom luminaire (1X4) CRCA powder coated housing with SS frame and efficacy not less than 110lm/W, operating volatage 140-270V AC, surge protection more than 4KV, IP20.(Make-CG/Philips)	No	16			
TOTAL AMOUNT						
Discount@.....%, if any						
GRAND TOTAL AMOUNT						

(Rupees.....)

N.B: Quoted rate should be inclusive of all Taxes.

Date:

Place:

Seal & Signature of Bidder