

BOQ
for

Name of Work: Installation of automatic On/Off panel with water level sensor for New Guest House pump set in IITG Campus.						
NIT NO: IITG/IPM/NIT/C/2024-25/63, Dated: 20.01.2025						
Sl. No.	Description of Item	Unit	Qty.	Rate in Figure (in Rs.)	Rate in Words	Amount (Rs.)
1.0	Supply, installation, testing and commissioning of auto/manual mechanism star-delta starter with water level sensor for 5HP 3Ph pump. (Make-Legrand/C&S/L&T/Havells/Siemens/ABB/Schneider)	No	2			
2.0	Supply of 3 core 1.5 sq.mm Cu flexible cable, (Make-RR Kabel/KEI/Polycab/Havells)	Mtr	350			
3.0	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). 4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Mtr	30			
4.0	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	30			
5.0	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). 4 way (4 + 12), Double door	Each	1			

6.0	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). Triple pole and neutral	Each	2			
7.0	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	a). 100A	Mtr	1			
8.0	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	2			
9.0	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	Mtr	30			
TOTAL AMOUNT						
Discount@.....%, if any						
GRAND TOTAL AMOUNT						
(Rupees.....)						

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

Place:

Seal & Signature of Bidder