

BOQ
for

Name of Work: Installation of Wall Bracket Fans, Additional Switchboards, and LED Lights in Dihing, Siang, Lohit, Disang and Brahmaputra Hostels at IITG Campus.

Sl. No.	Description of Item	Unit	Qty.	Rate in Figure (Rs.)	(in	Rate in Words	Amount (Rs.)
1	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	13				
2	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	No	11				
b	15/16 A switch	No	30				
c	3 pin 5/6 A socket outlet	No	4				
d	6 pin 15/16 A socket outlet	No	40				
3	Installation, Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS / CFL / LED lamps per fitting, complete with all accessories including connections etc. as required.	No	2				
4	LED Batten light (System lumen efficacy >135 lm/Watt) Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85% ,Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P.F. ≥0.95, IP20, CRI >80 , Flicker free (flicker should be below 5 %), life time (LED,Driver & electrical circuitry), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6000°K/ 6500°K (As per ANSI Bin), SDCM (Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineerin- Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C).						
a	18- 22 watt	No	16				
4	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR 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	120				
b	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	mtr	12				
c	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	mtr	348				

5	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required					
a	1 or 2 Module (75mmX75mm)	No	24			
b	4 Module (125mmX75mm)	No	1			
c	6 Module (200mmX75mm)	No	16			
6	Supply of 5 star rated 450 mm sweep wall bracket fan (Make: Havels/GC/Orient)	No	2			
TOTAL AMOUNT						
Discount@.....%, if any						
GRAND TOTAL AMOUNT						
(Rupees.....)						

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

Place:

Seal & Signature of Bidder