

Annexure-1: Electrical Works

S.No		Item description	UNIT	QUANTITY	RATE/UNIT (INR)	AMOUNT (INR)	REMARKS
1	Civil and Electrical Modifications in 150 Hostel Rooms						
A	Removing of Fan and Lights	Removing of the existing ceiling fan/tube light (2No's) from the designated hostel room, including the cost of manpower, storage or handover to the university, and all necessary handling charges/equipment etc.,.	Set	150			1 Set = Ceiling Fan (1 No) + tube Light (2No's)
B	PVC Conduit Pipe	Supplying and fixing of heavy gauge PVC conduit pipe 19/20mm dia 2/2.5mm thick confirming to IS2509 with suitable size bends, metal junction boxes adhesive paste etc., by fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18SWG GI fish wire run throughout the conduit wherever necessary.					
i)		19/20 mm dia 2mm thick for cables- Make : Modi or Equivalent	ft	4500			
C	Casing N Capping	Supplying and fixing PVC casing and capping on wall or ceiling including PVC fittings etc.					
i)		1 inch casing pipe - Make : Modi or Equivalent	ft	1575			
D	Wiring	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694: confirming to latest amendments.					
i)		1.5 Sq.mm - Make : Finolex/Wincap or Equivalent	ft	24600			
ii)		2.5 Sq.mm - Make : Finolex/Wincap or Equivalent	ft	9900			
E	Metal Box	Supply and flush mounting galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in brick/stone/C.C wall					
i)		6 Module - Make- Roma or Equivalent	No	450			
ii)		12 Module - Make- Roma or Equivalent	No	150			
F	Switch Plate	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos of machine screws, bolts nuts etc., complete on existing metal/PVC box					
i)		6 Module - Make- Roma Deco or Equivalent	No	450			
ii)		12 Module - Make- Roma Deco or Equivalent	No	150			
G	Switch/Socket/ Fan Regulator	Supplying and fixing of modular switch & connected accessories on New and existing modular switch plate as per IS 3854 and IS 1293.					
i)		6 Amps switch- Make- Roma or Equivalent	No	900			
ii)		6 Amps universal socket - Make- Roma or Equivalent	No	900			
iii)		Fan Regulator- Make- Roma or Equivalent	No	150			

H	Tube Light	Supply and fixing of 36W Slimline Advance LED tube light (4 feet), housing color aluminum and gray/white, with the following specifications: beam angle 120°, optical cover type polycarbonate, color rendering index (CRI) >80, luminous efficacy (rated) 105 lm/W, luminous flux 4,000 lm, input voltage 220–240V, line frequency 50 Hz, power factor 0.9, ambient temperature range 0°C to +45°C. Make: Philips / GM or equivalent.	No	150			
I	Fan	Supply and fixing of Ceiling Mounting Fan, minimum 300 mm sweep, ivory/white color. Ceiling mounting, ideal for low-height areas; minimum 3 aerodynamically designed opaque blades; glossy white finish. The fan should fulfill the following minimum technical specifications: Sweep: 300 mm; air delivery: 75 m³/min; speed: 300 RPM; power: 80 W; voltage: 230 V, 50 Hz; noise level: 60–63 dB. Includes 100-spoke protective grill, upward/downward tilt, dimensions: 36.7 × 36.7 × 28.8 cm, weight: 2.8 kg. Guarantee: 2 years; supplied with mounting kit and guarantee card. MAKE: Havells / Orient / Bajaj or equivalent	No	300			