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## Invitation for Quotation

**Name of the Work:** Electrical work for Split AC and additional requirements.

**Location:** CIF 001 IIT Dharwad.

With reference to the aforementioned work, quotations are hereby invited for the said work. Interested vendors with experience in electrical works can submit their quotes (*as per Annexure-I*) on their official letterhead, duly attested, **in a sealed envelope via post or courier** to the following address:

To,  
IPS Office (NE-113),  
First Floor Admin Block,  
Indian Institute of Technology Dharwad,  
Permanent Campus, Chikmalligwad.  
Dharwad-580011.

Deadline for Submission: **14/04/2025 up to 1300 hours.**

**NOTE:** Any quotes received after 1300 hours on 14/04/2025 shall not be accepted.

**Annexure-I**

**Bill of Quantities**

<b>Location: CIF 001- Electrical work for Split AC and additional requirements as per OEM</b>					
<b>Sl. No</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
1	Supply and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, each bar din bar, interconnections, power painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	8 way (4+24), Double door	Each	1		
2	Supplying, fixing and wiring Residual current circuit breaker with Over current protection (RCBO) 240/450V up to 30mA sensitivity on existing wood/ panel board.	Each	1		
3	Supply and fixing 5A to 32A rating, 240/415V, 10kA, 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.				
	Single pole	Each	11		
4	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.				

	63A TPN	Each	1		
5	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-694:2010				
	4 Sqmm	m	684		
6	Supply and laying of underfloor (concealed) raceways manufactured from 1.5 mm thick cover and base (including partitions for multi-compartment raceways), zero spangle pre-galvanized sheet steel with 275 GSM ( 36.67 microns) coating mass, cover and base MIG welded together. the length of raceways shall be 2.5 meters per length with single accessories acting as duct connector including fastening clamps and vertical access boxes and with all required connected accessories complete and load bearing capacity in line with EN 50085-2-2.				
	50 x 38 x 2500mm, 1 compartment	m	18		
	100 x 38 x 2500mm, 1 compartment	m	25		

7	Supplying PVC flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely				
	25 mm	m	22		
8	Supply, Installation, Commissioning & Testing of Air Conditioning Changeover Timer, Automatic ATM AC on/Off Timer, AC Cyclic Timer Switch 1. Work Two AC load up to 20A2. Two modes available Auto and Manual3. In auto mode gap time 30 Minute, 1Hrs, 2Hrs, 3Hrs, 4Hrs4. In manual mode choose AC-1 & AC-2 as per requirement5. Din channel mounting for easy installationInclude all accessories required as per site condition	each	9		
9	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.				
	3 Module	Each	2		
10	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 the existing metal/PVC box.				

	3 Module	Each	2		
11	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.				
	16A One Way Switch	Each	2		
	6/16A Universal Socket	Each	2		
12	Wiring for circuit / submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required				
	4 X 10 Sqmm + 2 X 6 Sqmm earth wire	m	18		
13	Earthing with copper earth plate 600 mm X 600 mm X 3mm thick including accessories, providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7metre long etc with charcoal / coke and salt as required.	set	3		
14	Supply and laying 25 mm X 5 mm copper strip at 0.5metre below ground as strip earth electrode including connection terminating with nut bolt spring washer etc as required. (Jointing shall be done by overlapping and 2 sets of brass nut bolt and spring washer spaced at 50mm)	metre	36		
15	Releasing and refixing of Isolation transformer including incoming and outgoing termination with accessories like Lugs.	Job	1		
16	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1kV grade of following sizes on wall surface as required.				

	Above 35 Sqmm and upto 95 Sqmm (clamped with 25x3mm MS flat clamp)	m	15		
17	Supply of 50sqmm 4 core XLPE armoured cable with aluminium conductor 1.1kV grade confirming IS:7098 (P-1) 1988	m	15		
18	Supply of 50sqmm 2 core XLPE armoured cable with aluminium conductor 1.1kV grade confirming IS:7098 (P-1) 1988	m	15		
19	Supplying and fixing of metal clad industrial plugs and sockets.				
	32A 2pole+earth 250V SOCKET	Each	1		
<b>TOTAL</b>					
<b>GST</b>					
<b>GRAND TOTAL</b>					

**NOTE:** All the above line items of works shall be executed as per CPWD Specifications meeting the site requirements. The scope of Contractor shall be Installation Testing Commissioning and Handover.

**(Sign and Seal of the Bidder)**