

IITDh/IPS/2025-26/LPC/154
01st Oct 2025

Invitation for Quotation

Name of the Work: Electrical Work for CMT Welding Machine.

Location: CIL 001

With reference to the aforementioned work, quotations are hereby invited for the said work. Interested vendors with experience in said works can submit their quotes (*as per Annexure-I*) on their official letterhead, duly attested, **in a sealed envelope via post / 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: 15th October 2025 up to 1300 hours

NOTE:

- Any quotes received after 1300 hours on 15/10/2025 will not be accepted.
- Name of the Work / LPC number and Firm name should be mandatorily written on the sealed cover.

Sd/-
Executive Engineer
Indian Institute of Technology Dharwad

Annexure-I

BoQ for Electrical work for providing power socket in Mechanical Lab CIL- 0011					
Sr. No.	Description of Items	UoM	Quantity	Rate	Amount
1	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 with termination				
1.1	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Meter	33.00		
2	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				
2.1	4 mm ²	Meter	390.00		
3	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 busbar, 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 three phase outlets are required)				
3.1	8 way (4 + 24), Double door	each	1.00		
4	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.				
4.1	Triple pole	each	4.00		
5	Supplying and fixing of following rating, four pole (three phase and neutral) 415 v, residual current circuit breaker MCCB having a sensitive current 30 MA in the existing MCB DB complete with connection testing and commissioning etc as required.				
5.1	63 A	No	1.00		
6	Supplying and fixing 30 /32A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30/32 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	each	3.00		

7	Supply and laying of under floor(concealed)raceways manufactured from 1.5mm thick cover and base (includingpartitionsformulti-compartment raceways),zero spangle pre-galvanized sheet steel with 275GSM(36.67microns)coating mass,cover and base MIG welded together.the length of raceways shall be 2.5meters per length with single accessories acting as duct connect or 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.				
7.1	50 x 38 x 2500mm, 1 compartment	Meter	33.00		
8	Supplying and fixing of metal clad industrial plugs and sockets.				
8.1	3pole,Neutral +earth 440V PLUG 32 A (5 pin legrand make)	Nos.	1.00		
8.2	3pole,Neutral+earth 440V SOCKET 32A (5pinLegrand Make)	Nos.	1.00		
9	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100 Volts as per IS-694:1990				
9.1	5cx4sqmm copper flexible cable	Meter	10.00		
10	Supply & fixing of Copperlugs with PG gland				
10.1	Pre - Insulated Lug - CPTAU for 16 Sqmm	Nos.	4.00		
TOTAL					
GST					
GRAND TOTAL					

(Contractors Sign and Seal)

LIST OF APPROVED MAKE/MODEL

- 1) All material shall confirm to relevant technical specification. The material shall be further subjected to tests in the recognized laboratories at the sole discretion of the Engineer-in- Charge and shall be at contractor's cost.
- 2) Material bearing appropriate ISI marking and having valid license for the last 3 years shall be given preference while selecting for the work.
- 3) In the case of material which are not widely available with ISI marking in the market but confirm to the technical specification mentioned in the tender documents, the same shall be procured from any of the manufacturer listed below after prior approval of the Engineer -in- charge.
- 4) EIC can approve any other brand subject to verification of the adherence to the relevant technical specification.

Approved Make List for Electrical		
Sl.No	ITEM	MAKES
1	PVC CONDUITS AND ACCESSORIES (ISI MARKED)	AKG / PRECISION / MODI/ AVON PLAST/ GM/SUDHAKAR/PRINCE
2	M.S. CONDUIT AND ACCESSORIES (ISI MARKED)	BEC/AKG/ NIC/STEEL CRAFT/ RM CON/ BHARAT/ GUPTA
3	PVC INSULATED FRLS COPPER CONDUCTOR CABLES 1.1 KV GRADE (ISI MARKED)	FINOLEX/ HAVELLS/RR KABLE/L&T/POLYCAB
4	MODULAR PLATE TYPE SWITCH / SOCKET GI BOXES / FAN REGULATOR//TELEPHONE SOCKET	SCHNEIDER (ZENCELO) / LEGRAND (ARTEOR) /HAVELLS (CRAB TREE MURANO) / L&T (ENGLAZE)
5	MCB / ISOLATOR / RCCB / RCBO / ELCB / MODULAR TYPE BELL MCB DB'S / DB's (SHALL BE OF SAME MAKE OF MCB, ELCB, RCBO, & RCCB).	LEGRAND / SCHNEIDER ELECTRIC / L&T/ SIEMENS/HAVELLS
6	LUMINAIRES / LIGHT FITTINGS	PHILIPS / WIPRO / CROMPTON GREAVES/ BAJAJ/HAVELLS
7	CEILING FAN / EXHAUST FAN	HAVELLS / CROMPTON GREAVES / USHA / ALMONARD/ ORIENT
8	1.1 KV XLPE CABLE (ISI MARKED)	FINOLEX/ GLOSTER / HAVELLS / RR CABLE/CCI/UNIVERSAL/POLYCAB

9	OCCUPANCY SENSOR	PHILIPS / WIPRO / CROMPTON GREAVES / HONEY WELL/LEGRAND/ SCHNEIDER
10	LT PANEL COMPLETELY BOLTED SYSTEM MODULAR DESIGN ELECTRICAL PANEL (TOTALLY TYPE TESTED AS PER IEC 61439-1)	SCHNEIDER ELECTRIC/SIEMENS/ABB/LEGRAND/L&T OR THEIR AUTHORIZED CHANNEL PARTNER/FRANCHISEE
11	MCCBS	THE LATEST MODEL - SERIES OF LEGRAND / L&T / SCHNEIDER / SIEMENS
12	CURRENT TRANSFORMERS & POTENTIAL TRANSFORMER	AUTOMATIC ELECTRIC/ KAPPA/ L&T/ NEPTUNE
13	DIGITAL INDICATING MEASURING INSTRUMENTS /MULTIFUNCTION METERS	L&T (QUASER)/ SCHNEIDER (CONZERV) / AE
14	SELECTOR SWITCH	L&T/ KAYCEE/ SIEMENS
15	INDICATION LAMP & PUSH BUTTON	BCH/ L&T/SIEMENS/ SCHNEIDER
16	DIGITAL ENERGY METER	L & T / CONZERV/ SECURE
17	APFC RELAYS	L&T / SIEMENS / SCHNEIDER / NEPTUNE (DUCATI)/ CPRI APPROVED MAKES
18	BUS TRUNKING, RISING MAIN & TAP-OFF BOX	LEGRAND/ L&T/ SCHNEIDER/ C & S / ABB
19	CABLE TRAYS & ACCESSORIES	LEGRAND / SLOTTCO / PROFAB / RAMCON
20	CAPACITOR(ISI MARKED)	EPCOS/ NEPTUNE/ SIEMENS/ L&T
21	CABLE GLAND/ LUGS/ THIMBLES	COMMET/ DOWELLS/ RAYCHEM/ GRIPWELL
22	OCTAGONAL STEEL POLE	BAJAJ / CROMPTON/ VOLMART /PHILIPS
23	LED STREET LIGHT FITTINGS	PHILIPS / CROMPTON GREAVES / WIPRO /HAVELLS
24	WATER SUPPLY PUMP SETS	KIRLOSKAR/ TEXMO/ CRI/ KSB/ CROMPTON
25	G.I. PIPES	TATA/ JINDAL/ ZENITH
26	GM VALVES (ISI MARKED)	LEADER/ ZOLOTO/ DEEPAK
27	LOOP-IN, LOOP-OUT STREET LIGHT BOXES	HENSEL/ SUPREME/ DEVI POLYMERS SONTAY/ SPELSBERG

28	HIGH VOLUME LOW SPEED FANS	KELLEY/ BRAYAN (KALE)/MACRO AIR
29	DWC /HDPE PIPE	SUPREME/ REX/ ASHIRVAD
30	RACEWAY	LEGRAND/MK/SCHNEIDER/OBO/AKG
31	CHEMICAL EARTHING	JEFECOSAFE/ERICO/TERECPLUS
32	ANNUNCIATION PANEL	CROMPTON/AREVA/SIEMENS/KIRLOSKAR
33	TERMINAL BLOCK	BCH/INDUSTRIAL CONTROL/JAISON
34	MV CONTACTOR/TIMER/ST ARTERS	L&T/SIEMENS/SCHNEIDER/LEGRAND
35	PROTECTION RELAY	AREVA/SIEMENS/L&T/CG/ALSTOM/SCHNEIDER
36	kWh METER (ELECTONIC DIGITAL TYPE)/MFM/AMMETER/VOLTMETER	L&T/SECURE/CAPITAL/CONZERV
32	PVC MODULAR DLP TRUNCKING	LEGRAND/MK/SCHNEIDER/OBO
33	UPS SYSTEM	APC/SIEMENS/VERTIV/LEGRAND

(Contractors Sign and Seal)