

**IITDh/IPS/2025-26/LPC/264**  
**28<sup>th</sup> January 2026**

**Invitation for Quotation**

**Name of the Work:** Power supply source A1-408 GPU SERVER setup requirement (2 numbers of 40 KVA UPS)

**Location:** Permanent Campus IIT Dharwad

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, Chikmagalur.  
Dharwad-580011.

**Deadline for submission:** 3<sup>rd</sup> February 2026 up to 1300 hours

**NOTE:**

- Any quotes received after 1300 hours on 3/02/2026 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

BoQ for Power Supply Source A-1 408 GPU server setup requirement (2 numbers of 40 KVA UPS)					
Sl.No	Description	Unit	Quantity Required	Unit Per Rate ₹	Total ₹
1	1.1 kV, XLPE or Heat resistant PVC insulated, PVC extruded Inner Sheath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975				
1.1	95 Sqmm, 3.5 Core, (21 GI Strips - 4 x 0.8 mm)	Meter	40		
2	Supplying and fixing Moulded case Circuit Breaker (MCCB) over the existing wood/ panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with adjustable thermal magnetic release, Microprocessor release shall have Earth Fault as per IS/IEC60947-2. (Icu=100% lcs). In 4PMCCB, all Poles should have protection for Short- Circuit/OverLoad. For Microprocessor MCCBS Facility for segregating Priority and Non- Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.				
2.1	Four Pole 125 A 25 Ka	Each	1		
3	Supplying and fixing of Shunt trip suitable for MCCB.CBCT	Each	1		
4	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440VAC. 50 Hz 12/24V D.C.	Each	6		
5	Supplying 250 A rated 3phase with neutral bus bar using required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S. flat framework in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete				
5.1	250 A 4 x 30 x 10 mm Aluminium Strips	Meter	1		
5.2	100 A 4 x 30 x 6 mm Aluminium Strips	Meter	0.25		

6	Supplying and fixing angle iron framework fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.				
6.1	40 x 40 x 6 mm	<b>Meter</b>	<b>5</b>		
7	Fabricating supplying and mounting MS box made out ....SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7 tanks treatment with powder coated paint and finally finished with approved colour etc., complete.				
7.1	14 SWG	<b>cm<sup>2</sup></b>	<b>17500</b>		
8	Rotary handle for MCCB	<b>Each</b>	<b>1</b>		
9	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
9.1	3½ X 95 sq. mm (45mm)	<b>Each</b>	<b>2</b>		
10	Supplying and installation following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with two numbers MS/GI Suspenders i/c base of suitable size MS/GI angle, bolts & nuts, painting suspenders, fastener etc as required.				
10.1	100 mm width X 50 mm depth X 1.6 mm thickness	<b>Meter</b>	<b>25</b>		
11	Supplying and installation following size of perforated painted with powder coating M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with two numbers MS/GI Suspenders i/c base of suitable size MS/GI angle, bolts & nuts, painting suspenders, fastener etc as required.				
11.1	100 mm width X 50 mm depth X 1.6 mm thickness	<b>Each</b>	<b>2</b>		



12	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
12.1	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Meter	50		
13	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100Vgrade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010				
13.1	2.5 mm <sup>2</sup>	Meter	2		
13.2	4 mm <sup>2</sup>	Meter	2		
14	Supplying of PVC insulated unsheathed bright annealed bare copper conductor single core industrial cable & PVC insulated, PVC round sheathed multicore industrial cables for voltage grade upto 1100V as per IS694:1990 ( FLEXIBLE (FRLS) INSULATED CABLE) 4CORE 50 Sq.mm				
14.1	4 Core 50 Sq.mm Single Core industrial cable	Meter	10		
15	Supplying & Fixing Chemical earthing for grounding. Conduits, IC cut-outs & other equipment's backfill compound which is non corrosive, thermally conductive, potential to permissible limits, superior Fault conduction capacity, non toxic, weather resistance& capable of achieving ohmic value less than one ohm				
15.1	Using 10ft. Copper bonded rod with backfill compound	Set	1		
16	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)				
16.1	25 mm X 5 mm copper strip	Meter	65		
<b>Subtotal ₹</b>					
<b>GST ₹</b>					
<b>Total ₹</b>					

(Contractors Sign and Seal)

## APPROVED ELECTRICAL MAKES LIST

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Sl.No	ITEM	MAKES
1	PVC CONDUITS AND ACCESSORIES (ISI MARKED)	AKG / PRECISION / MODI/ 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/KEI/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/ABB
6	LUMINAIRES / LIGHT FITTINGS	PHILIPS / WIPRO / CROMPTON GREAVES/ BAJAJ/PANASONIC
7	CEILING FAN / EXHAUST FAN	HAVELLS / CROMPTON GREAVES / USHA /BAJAJ /ORIENT/ATOMBERG
8	1.1 KV XLPE CABLE (ISI MARKED)	FINOLEX/ HAVELLS / KEI/POLYCAB/L&T
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)	KARNATAKA POWER DISTRIBUTION COMPANY APPROVED MAKE (PLEASE PROVIDE THE CERTIFICATE)
11	MCCBS	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) / SECURE/ELMEASURE
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 / ELMEASURE /SCHNEIDER
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 GREEVES /VOLMONT /UTHIKARSH
23	LED STREET LIGHT FITTINGS	PHILIPS / CROMPTON GREAVES / WIPRO /BAJAJ



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/ BHARAT BRAYAN /MACRO AIR
29	DWC /HDPE PIPE	SUPREME/ REX/ ASHIRVAD
30	RACEWAY	LEGRAND/MK/SCHEIDER/OBO/AKG/JSW
31	CHEMICAL EARTHING	JEFECOSAFE/ERICO/TERECPLUS
32	ANNUNCIATION PANEL	CROMPTON/AREVA/SIEMENS/KIRLOSKAR
33	TERMINAL BLOCK	BCH/INDUSTRIAL CONTROL/JAISON
34	MV CONTACTOR/TIMER/STARTERS	L&T/SIEMENS/SCHNEIDER/LEGRAND
35	PROTECTION RELAY	AREVA/SIEMENS/L&T/CG/ALSTOM/SCHNEIDER
36	kWh METER (ELECTRONIC DIGITAL TYPE)/MFM/AMMETER/VOLTMETER	L&T/SECURE/CAPITAL/CONZERV/KARNATAKA POWER DISTRIBUTION COMPANY APPROVED MAKE (PLEASE PROVIDE THE CERTIFICATE)
37	PVC MODULAR / DLP TRUNCKING	LEGRAND/MK/SCHEIDER/OBO
38	UPS SYSTEM	APC/SIEMENS/VERTIV/LEGRAND
39	INDUTRIAL SOCKET	LEGRAND/SCHNEIDER/L&T/SIEMENS