

SPOT QUOTATION

06/IISER/Tirupati/Spot Quotations/2025-2026

Date: 24.10.2025.

Sealed quotations are invited on behalf of the Director, IISER, Tirupati, from the “Electrical Contractors” with similar electrical work experience and valid GST registration, for the work “Supply, Installation, Testing & Commissioning of online UPS of Rating 10 KVA with Isolation Transformer 1-phase input & output (Batteries are not in the Scope) for the Ground floor lab no.4 Research lab complex at IISER Tirupati Permanent Campus.” to the undersigned on or before 3 pm on 27/10/2025.

The quotations will be opened on 27th October 2025 at 3:30 pm.

Schedule of Quantities

S. No.	Item Description	Unit	Qty	Rate	Amount
1	Supply, Installation, Testing & Commissioning of Online UPS of Rating 10 KVA with Isolation Transformer 1-phase input & output (Batteries are not in the Scope) for the Ground floor lab no.4 Research lab complex as required with a Minimum 2-year OEM warranty. The detailed specification attached has to be complied with by the agency or UPS OEM. Proposed model details have to be attached to the sealed quotation.	Each	1		
Total (in Rs.)					

Rupees in words _____.

Terms and Conditions:

1. The work must be completed within 7 days from the date of receipt of the work order.
2. Specification for the work to be carried out as per the Schedule of quantities.



(Signature)



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI
(An Autonomous Institution of Ministry of Education, Govt. of India)
Srinivasapuram-Jangalapalli Village, Panguru (G.P) Yerpedu Mandal,
Tirupati, Andhra Pradesh – 517 619..

3. Your rates quoted should be inclusive of all taxes, GST, freight, levis, duties, octroi, royalties, etc. However, no price escalation or adjustment and mobilization advance is payable.
4. Proof of registration and the similar work experience with any government organisation has to be submitted along with the quotation; failing to submit relevant documents will lead to rejection of the quotation.

Agency with seal

V. Srinivas Kumar
24/10/24
Executive Engineer
IISER, Tirupati

K. Srinivas
Assistant Engineer (E)

Copy to:

1. The Registrar office, IISER Tirupati for information.
2. Joint Registrar F&A.



(To be filled by agency)

Name of the Agency :

PAN number :

GSTIN :

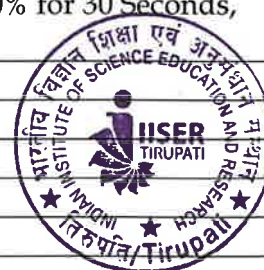
Mobile Number & E-mail ID :

Correspondence Address :



Technical Specification for 10KVA online UPS with Isolation Transformer (Batteries are not in the Scope).

S.No.	Requirement	Specification
1	Make & Model	To be specified by Vendor
2	UPS Rating	10000VA / 8000W
3	Technology	Online, double conversion, VFI-SS-111, including Built-In Isolation Transformer without Battery.
4	OVCD	Available (Built-in in Within the UPS)
5	Waveform	Sinusoidal
6	Display Panel	LCD Display + LED Panel
7	Input Characteristics	
	Voltage	230 VAC, 1 Phase 3 Wire
	Frequency	50/60 Hz $\pm$ 8% Auto sensing
	Voltage Range	176 V - 300 VAC @ 100% load $\pm$ 3% also 110 V - 300 VAC @ 50% load $\pm$ 3%
	Current Harmonic Distortion	< 7% at full linear load and normal voltage
	Power Factor at rated load	$\geq$ 0.99 (with full linear load)
	Connection	Terminal Block
8	Output Parameters:	
	Outlets	Terminal Block
	Voltage	230 VAC (adjustable to 220/230/240 VAC) $\pm$ 2%
	Frequency	50 / 60 Hz $\pm$ 0.1 Hz
	Frequency synchronisation	46 to 54 Hz
	Crest Factor	3 : 1
	THD of Output Voltage	< 3% at full linear load & < 5% at full non-linear load
	Overall Efficiency (AC to AC)	Up to 87% @ 100% Load
	Converter Mode	Available
	Configurable Bypass	Available
	Overload capacity in Line mode	105 - 110% for 30 Minutes, 111 - 130% for 5 Minutes, 131 - 150% for 10 seconds
	Overload capacity in Battery Mode	105 - 110% for 3 Minutes, 111 - 130% for 30 Seconds, 131 - 150% for 3 Seconds
9	Battery Parameters:	
	Type	SMF VRLA Battery
	Make	Exide Power Safe
	End cell voltage	10.5 V per Battery
	DC Voltage	192VDC (16 Battery Model)
	Charging Capacity	10 % of the Battery AH Capacity
	Transfer time (Mains to Battery)	0 ms



6. [Signature]

Technical Specification for 10KVA online UPS with Isolation Transformer (Batteries are not in the Scope).

S.No.	Requirement	Specification
	Transfer time (Inverter to Bypass)	< 4 ms in Sync Mode
10	Communication & Management	
	Communication Port	RS 232 & USB
11	Environmental Conditions	
	Operating Temperature	0 °C to + 40 °C Continuous
	Ingress Protection	IP 20
	Relative Humidity	upto 95 % (Non - Condensing)
	Noise Level	<58 dB at 1 meter distance
	Altitude	< 1000 meters
12	Reference Directive & Standards	
	Credential	ISO 9001 : 2015 , ISO 14001 : 2015, ISO 14001 : 2018, ISO 45001
	Test Report / Certificate	Safety : IEC / EN 62040-1
		EMI / EMC : IEC / EN 62040-2
		BIS : IS 16242 Part 1 : 2014
		CE, PEP Certifications for the Model Quoted
		RoHS
		JIS 8702C for battery
13	Warranty	2 Years for UPS.

(Signature)

