## College of Engineering Trivandrum, Thiruvananthapuram

## NOTICE INVITING TENDER

P3/5988/19/CET 24.06.2019

Tender No. : 19/19/P3/CET/EEE E-Tender ID : 2019 DTE 282714 1

> :Purchase of equipments for the smooth

functioning of the Circuits and Measurements Lab Superscription of Electrical Engineering Department of this

institution

Last date and time of receipt of tender on the

website (www.etenders.kerala.gov.in)

: 18/07/2019 3 PM

Date and time of opening of tender : 20/07/2019 11 AM

Date upto which the rates are to be firm : 20/01/2020

Bidding fee : Rs.708/- (₹600+18%GST)

EMD required : Rs.2990/-

THE PRINCIPAL, COLLEGE OF ENGINEERING

Address of the Officer to whom hardcopy is to be TRIVANDRUM, THIRUVANANTHAPURAM-

send. 695016.

GSTIN:32AAAAGC0358L1ZP

## **General conditions**

- 1. The price quoted should be inclusive of all taxes, freight charges, unloading charges. installation and commissioning charges and should be furnished unambiguously.
- 2.Payment: 100 % after successful supply, installation, commissioning and demonstration.
- 3.Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
- 4.Agreement as per NIT 2 in Rs.200/- Kerala Stamp Paper and tender form should be uploaded.
- 5.5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
- 6.Date of opening of tender: In case the proposed date declared as holiday, the tender will be opened on the next working day.
- 7. After E-Tendering the hard copy of all documents such as agreement, brochure, should be submitted before the opening date.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual.

The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph.0471 2577088, 0471 2577188, 0471 257388, 0471 2515760.

> Sd/-**PRINCIPAL**

SI No.	Item with specification	Qty
1.	Voltage ratio box 0-300/1.5 V	2 Nos.
	Range for voltage 1.5, 15, 30, 150 and 300 Volts.	
	Resistance 37.5K, Accuracy ±0.05%	
2.	Vernier Potentiometer	1 Nos.
	Range of measurement : 0 to 1.9V	
	Measurement accuracy : ±0.05%	
	Internal Resistance: 100 ohms/volt	
	<u>Accessories</u>	
	Volt ratio box : Range for voltage 1.5, 15, 30, 150 and 750	
	Volts, Resistance 37.5 K, Accuracy: ±0.05%	
	Standard cell : D voltage -1.0185V	
	DC regulated power supply : 2V, 500mA	
3.	Standard resistance	2 Nos.
	1. 1. ohm, 15A, Accuracy ±0.05%	
		r
	Element : Strain free manganin coil/wire immersed in oil	
	Container : Light weight aluminium construction  Terminals : Brass	
	Terminais : Brass	
4.	Standard resistance	   2 Nos.
	2. ohm, 15A, Accuracy ±0.05%	
	CELEBRATING	
	Element : Strain free manganin coil/wire immersed in oil	
	Container : Light weight aluminium construction	
	Terminals : Brass	
5.	Standard cell	2 Nos.
	DC voltage – 1.0185V, Accuracy ± 0.0005%	
6.	DC regulated power supply	3 Nos.
	0-30 V,10A	
	Metering : 3 Digit DPM.	
	Meter Accuracy : ±3 counts	
	Constant Voltage Mode	
	Regulation:	
	Line: ±0.01% ±2mV for ±10% CHANGE IN LINE OUTPUT.	
	Load: $\pm 0.01\% \pm 2$ mV for load change from zero to full load.	
	Ripple & Noise: 1mV rms.	
	Constant Current Mode	
	Sonstant Current Wode	

	Regulation: Line: ±0.1% ±250μA for ±10% line change. Load: ±0.1% ±250μA for change in output voltage from 0 to maximum output voltage. Ripple & Noise: 0.04% rms. Output Polarity: Floating w.r.t ground. Protection: Automatic overload and short circuit protection. Operating Temperature: 0-50°C Line voltage: 230V AC ±10% 50Hz, single phase.	
7.	DC regulated power supply  Dual power supply -15-0-15V, 5A  Metering: 3 Digit DPM.  Meter Accuracy: ±3 counts  Constant Voltage Mode  Regulation:  Line: ±0.01% ±2mV for ±10% CHANGE IN LINE OUTPUT.  Load: ±0.01% ±2mV for load change from zero to full load.  Ripple & Noise: 1mV rms.  Constant Current Mode  Regulation:  Line: ±0.1% ±250μA for ±10% line change.  Load: ±0.1% ±250μA for change in output voltage from 0 to maximum output voltage.  Ripple & Noise: 0.04% rms.  Output Polarity: Floating w.r.t ground.  Protection: Automatic overload and short circuit protection.  Operating Temperature: 0-50°C  Line voltage: 230V AC ±10% 50Hz, single phase.	3 Nos.
8.	Analog Portable Electrodynamometer Wattmeter Single phase, UPF wattmeter Range: 5/10 A, 125/250/500V Accuracy: ±1.0% of full scale value	5 Nos.
9.	Analog Portable Electrodynamometer Wattmeter Single phase, LPF wattmeter Range: 5/10 A, 125/250/500V Accuracy: ±1.0% of full scale value	5 Nos.