

LBS COLLEGE OF ENGINEERING, KASARAGOD
QUOTATION NOTICE

No.D-891/2021

Dated: .03-02-2022

Sealed competitive quotations are invited for the Purchase of Lab equipment for the EEE department (Clamp on power meter) of this institution specified in the schedule attached superscribing "**Quotations for the purchase of Lab Equipments for EEE Dept. (Clamp on power meter) against quotation No. D-891/2021 due on 16.02.2022**". Quotations received after the time fixed on the due date is liable to be rejected. Maximum period required for the repairing / servicing of items should also be mentioned.

The prices quoted should be inclusive of all taxes, duties, delivery charges etc. The supplier shall also quote the percentage of rebate/discount if any offered by them against the materials.

Special conditions if any or printed on quotation will not be applicable to the contract unless they are expressly accepted in writing by the undersigned.

Due date and time for Receipt of Quotation	:	16.02.2022 at 2 pm
Date and time of opening the Quotation	:	17.02.2022 at 3 pm
Date up to which the rates are to remain firm for acceptance	:	1 year
The Designation and address of the Officer	:	The Principal
To whom the Quotation is to be addressed	:	LBS College of Engineering, Muliyar (P.O), Kasaragod- 671 542

Kasaragod
Date: 03.02.2022

Encl:

Copy to:

2. College website
3. Notice Board




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KASARAGOD - 671 542

Details of items required

Sl No.	Specification	Nos.
1	Clamp on power meter	1

Detailed Specifications

1. DIGITAL CLAMP ON POWER METER (TRMS) (1 No)

Quantity Required - 1 No
Approximate Cost - RS 50,000/-

Measuring parameters

AC/DC Voltage - Max 1000V
AC/DC Current - Upto 1000 A (Max conductor size - 40mm -
for Clamp on)
True RMS
Harmonic measurement - upto 25th order
Power Factor Measurement
Real Power measurement
Harmonic distortion
Inrush peak current measurement
Phase rotation indication
Resistance measurement
Frequency measurement
Capacitance measurement
Diode test
Continuity Beeper
Data Hold
Temperature measurement
Bluetooth connectivity.

Detailed specifications

Jaw Opening Size: Suitable upto 40mm conductor

DC Current Range: 0-1000 A
DC Current Accuracy: $\pm (1.5 \% + 5 \text{ Digits})$

DC Voltage Range: 0-1000 V
DC Voltage Accuracy: $\pm (1 \% \pm 2 \text{ Digits})$

AC Current Range: 0-1000 A
AC Current Accuracy: $\pm (1.5 \% + 5 \text{ Digits})$
AC Current Resolution: 0.01 A

AC Voltage Range: 0-1000 V
AC Voltage Accuracy: $\pm (1.5 \% + 5 \text{ Digits})$

Frequency: 20Hz-10kHz
Frequency Accuracy: $\pm (0.5 \% + 3 \text{ Digits})$

Real Power measurement: Upto 50kw
Resolution 1 W

Power Factor : -1.00 ~ 1.00
Resolution - 0.01
Accuracy $\pm 5d$

T.H. D : 0.1% ~100%
Resolution 0.1%
Basic Accuracy $\pm (3.0\%+10d)$

Harmonics: 0.1% ~100% (upto 25th order)
Resolution - 0.1%
Accuracy $\pm (5.0\%+10d)$ For order 1-12 $\pm (10.0\%+10d)$ For order 13-25

Resistance - upto100 k Ω
Resolution 0.01 Ω
Accuracy $\pm (1.0\% + 5dgt)$

Overload Protection: 1000V rms
Low Battery Indication
Auto Power Off
Operating Temperature 0°C~50°C, $\leq 80\%$ RH

Standards
IEC/EN 61243-3:2014
Safety Standard: IEC 61010-1

Maximum Conductor Size 40 mm

Carrying holster/pouch.

Warranty - 3 Years



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