



DEPARTMENT OF APPLIED PHYSICS
UNIVERSITY OF CALCUTTA
92, APC Road, Kolkata- 700009

Notice for Inviting Tender / Quotation

Ref. No: AP/1/NIT/Web/KDS/17-18

Date: 22/03/2018

Dear Sir, Madam,

All the Authorized Suppliers are invited to submit your Quotation/Tender along with the following papers by sealed envelope at the office of the Department of Applied Physics for the under mentioned items /works according to the CU rules and following terms & conditions.

The last date of submission of Quotation/Tender is 29.03.2018.

- 1) Before place the quotation/tender must be mentioned your Ref. No., Date, with SIGNED & SEAL BY appropriate authority. (Party must be provide hard copy and also SOFT COPY by CD doc file).
- 2) Our Ref. No. & date and also its items no. must be mentioned in your quotation.
- 3) Price for which you are quoting must be mentioned all applicable taxes and others incidental charges as well as premiums for insurance against all kinds of risks before executing delivery to our Department if applicable.
- 4) Party also must be submitting coy of their valid TRADE LICENC, GST/VAT REGETRATION, PAN CARD or wherever necessary OR who have manufacturer also submit valid copy of certificates that certified by GOI/State/Undertaken Govt. Authority.
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- 5) Others any quarries for related enquires/tender, you may also visit CU website www.caluniv.ac.in or mentioned Department.

Items No.	Goods/Items/Works Name	Make & Model	Goods/Items/Works Specification &Description	Quantity /Unit (approx)
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01	DC Regulated Power Supply –	Model: Xpo-Rps	Output Voltage (Channel 1 & 2) : 0-30V Output Current (Channel 1 & 2) : 0 to 2.00 Ampere Metering : 7 segment LED 3 Digit DPM Green / Red Meter Accuracy : ± 3 counts Constant Voltage Mode (Channel 1 & 2): Line Regulation : $\pm 0.1\%$ ± 2 mV for $\pm 10\%$ change in mains line Load Regulation : $\pm 0.1\%$ ± 2 mV for load change from 0 to full load Ripple & Noise : $< 0.01\%$ rms Constant Current Mode (Channel 1 & 2): Line Regulation : $\pm 0.1\%$ ± 500 uA for $\pm 10\%$ line change Load Regulation : $\pm 0.1\%$ ± 500 uA for change in o/p voltage from 0 to max. Ripple & Noise : 0.01% rms. Mode of Indication CV : Green LED (CV) Mode of Indication CC : Red LED (CC) Output Polarity : Floating with respect to ground Overload Protection : Automatic Short Circuit Protection : Automatic Operating Temperature : 10 °C to 40 °C $\pm 10\%$ Line Voltage : 230V AC $\pm 10\%$, 50 Hz, single phase	03
2	DECADE RESISTOR BOX.	MODEL: DRB-6	Resistance Range : 1 Ω to 1.11111 M Ω Resistance : Non-Inductive Accuracy : $< 10 \Omega$, $\pm 2\%$, 10 Ω to 1 M Ω $\pm 5\%$ Range Selection : By rotary switches Maximum Power : 3.0 watt max. Residual resistance : < 125 m Ω	04
3	DECADE CAPACITANCE BOX .	MODEL: DCB-6	Capacitance Range : 100 pf to 111.111 uF Capacitance : Bipolar Metalized Polyester Accuracy : < 100 nF $\pm 5\%$ & > 100 nF $\pm 2\%$ Range Selection : By rotary switches Maximum Power : 500 Volt (Bipolar) Residual Capacitance : < 150 pF	04
4	DECADE INDUCTANCE BOX.	MODEL: DIB-6	Inductance Range : 100 uH to 11.1111 H Capacitance : Pot Core Wound Accuracy : < 10 mH $\pm 5\%$ & > 100 mH $\pm 2\%$ Range Selection : By rotary switches Maximum Power : 200 mA Residual Capacitance : < 100 uH	04
5	AC TRAINER		<ul style="list-style-type: none"> • AC superposition trainer : Metal cabinet, variable 0-24 vac source, digital current display - 3nos, resistive network, instruction manual • AC Thevenin, s theorem trainer : metal cabinet, variable 0-24 vac source, digital current display - 3nos, resistive network, instruction manual • AC max power transfer trainer : Metal cabinet, variable 0-24 vac source, digital current display - 3nos, resistive network, instruction manual 	06 set of each item
6	ACTIVE FILTER TRAINER		Active Filter trainer modules with following characteristics <ol style="list-style-type: none"> i. Spec:- LPF RC filter network ii. Spec:- HPF RC filter network iii. Spec:- BPF RC filter network iv. Spec:- BRFC RC filter network 	02 each module

Thanking you.

Dr. Prayaranjan Mandal
HOD,
Dept. of Applied Physics, CU

Dr. Kaushik Das Sharma
Asso. Professor
Dept. of Applied Physics, CU



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01	COLOUR DIGITAL STORAGE OSCILLOSCOPE (DSO)	Model: DSO-50	50 MHz HSN Code: 90308990	02
02	DIGITAL MULTIMETER	MODEL: DM3540A	3 ¾ digit auto ranging Digital Multimeter with large LCD Display	10

			Single Rotary Switch operation Automatic Polarity, Low Battery and over range indication 33 Segment Bar graph display Auto AC/DC Amp.Selection Auto AC/DC Volt selection Auto Power Off. & Data hold facility	
03	FUNCTION GENERATOR	MODEL: FG-3M (Without Counter)	Frequency Range : 0.1 MHz to 3 MHz Range Selection : 7/8 step switch with separate fine control Waveforms : Sine, Square, Triangle, TTL / CMOS / PWM / Pulse o/p Frequency Display : Within 1% up to 100 KHz & 3% at 1 MHz (LEDs for MHz, KHz and Hz) Square Wave Rise & Fall Time : < 70 ns at 1 MHz TTL Rise & Fall Time : < 100 ns Output Voltage : 30 V pp max.	05

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Items No.	Goods/Items/Works Name	Make & Model	Goods/Items/Works Specification &Description	Quantity /Unit (approx)
01	COMPUTER (PC)	ANY	Intel core i3 7th G, 2.4 GHz+ i5 series Intel processor, 8GB Ram, 1TB HDD, DVD writer, 3.0 USB Connectivity & 4 port in , Key board, Logitech Mouse.	01
02	MONITOR	DEEL	23" WIDE LED SCREEN WITH DVI SUPPORT.	01
03	LASER PRINTER with SCANNER.	HP	LASERJET 1020 Plus with SCANNER.	01

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Items No.	Goods/Items/Works Name	Make & Model	Goods/Items/Works Specification &Description	Quantity /Unit (approx)
01	EXPERIMENTAL WOODEN TABLE		Customised/Suitable for Working condition	04
02	STOOL (PVC)		Customised/Suitable for Working condition	20
03	ALMIRAH		Steel 6 x 4 x 3 ft	02

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01	AIR CONDITIONER MACHINE	HITACHI/CARRIER	SPLIT 2 TON 3/4/5 STER	02

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