



BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

(University of Delhi)

Sector – 2, Phase – 1, Dwarka, New Delhi – 110075, Phone- 011-25087597

Website:<http://www.bcas.du.ac.in>, Email: bhaskaracharya.college@gmail.com

E-Procurement Tender Notice

The College invites ONLINE bids as per Two bids System (Technical and Financial) from eligible bidders through e-procurement <https://eprocure.gov.in/eprocure/app>

Our Enquiry Ref No : Procure/BCAS/Instrumentation/2017-18/NR-Critical Equip/01

Dated : _28/02/2018_

Tender fee (Rs.) : 500.00/-

Bid download start Date and Time : 28/02/2018, 1630 hrs

Bid submission start Date and Time : 28/02/2018, 1700 hrs

Last date and time for Bid Submission : 21/03/2018, 1600 hrs

Date and Time of Bid Opening : 22/03/2018, 1600 hrs

Tender Value (Rs.) : 1,00000/-

EMD(Rs.) : 3500/-

Bid Validity : Up to 31.03.2018

Subject: Invitation of ONLINE 2 fold bids for the procurement of *Laboratory Equipment by the Department of Instrumentation.*

Dear Bidder,

Only the online bids are invited for the procurement of Laboratory Equipments as per the details attached as Enclosure-I of the item(s).

S.No.	Name of Item(s)	Quantity Required	Minimum Specifications
1.	Digital Multimeter	05	Enclosure I
2.	Electronic experimental kit	08	

IMPORTANT:

- All details regarding the subject tender are available on websites www.bcas.du.ac.in and <https://eprocure.gov.in/eprocure/app>. Any change/ modification in the Tender Enquiry/ Tender Document will be intimated through above websites only. Bidders are therefore, requested to visit the websites regularly to keep themselves updated.
- Bids shall be submitted online only at CPPP website: <http://eprocure.gov.in/eprocure/app>
- Manual bids shall not be accepted.
- For submission of E-Bids, bidders are required to get themselves registered with <http://eprocure.gov.in/eprocure/app>
- Bidder is advised to follow the instructions provided in the 'Instructions to the Contractors/Bidder' for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>
- Bid documents may be scanned with minimum 100dpi with black and white option in pdf format.

It is required that the following instructions should be carefully followed including detailed terms and conditions attached overleaf as Annexure 'A', while submitting your offer; otherwise your offer may not be considered.

- All the communication with the college should be addressed only to "Principal, Bhaskaracharya College of Applied Sciences, Sector 2, Phase I, Dwarka, New Delhi- 110 075." (hereinafter called the Principal)
- Online Quotations will be two fold (a) one technical bid consisting of all technical details and supporting documents (b) another financial bid containing items wise price for the items mentioned in the technical bid. Bidders will not be permitted to alter or modify their bids after expiry of the deadline for receipt of bids.
- Financial bids of only those bidders will be opened and considered who qualify in their technical bid.
- Corrigendum, if any, will be published only on the above websites only.

Yours Sincerely,

Principal

Enclosure-I

S. No.	Item	Max. Quantity	Specifications																
1.	Digital Multimeter	05	<p>3^{3/4} digit Auto range</p> <table border="1" data-bbox="855 315 1434 577"> <tr> <td>DC Voltage range</td> <td>: 500mV to 1000V</td> </tr> <tr> <td>AC Voltage range</td> <td>: 500mV-750V</td> </tr> <tr> <td>DC current range</td> <td>: 400μA-20A</td> </tr> <tr> <td>AC current range</td> <td>: 500μA-18A</td> </tr> <tr> <td>Resistance range</td> <td>: 400Ω-40MΩ</td> </tr> <tr> <td>Capacitance range</td> <td>: 5nF-200μF</td> </tr> <tr> <td>Frequency range</td> <td>: 100Hz-30MHz</td> </tr> <tr> <td>LCD size</td> <td>: 65x41mm</td> </tr> </table> <p>Must exhibit : Diode Test, Continuity test, hfe test, hold data, sleep mode, low battery indicator Accessories: Test Leads and manual</p>	DC Voltage range	: 500mV to 1000V	AC Voltage range	: 500mV-750V	DC current range	: 400μA-20A	AC current range	: 500μA-18A	Resistance range	: 400Ω-40MΩ	Capacitance range	: 5nF-200μF	Frequency range	: 100Hz-30MHz	LCD size	: 65x41mm
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LCD size	: 65x41mm																		
2.	Electronic experimental kits																		
	Kit		Specifications																
2.01	Oscillator Kit	02	<ul style="list-style-type: none"> • Functioning of LC oscillator (Colpitt and Hartley) having on board Tank circuit • Functioning of RC oscillator (Phase Shift and Wein Bridge) • Block Description Screen printed on glassy epoxy PCB • Interconnection through banana patch cords (sufficient patch cords to be provided) • Built in Power supply • On board interactive user manual based on Graphical LCD (128x64) 																
2.02	FET Trainer	02	<ul style="list-style-type: none"> • Circuit for FET amplifier in CS configuration • Frequency response of FET • Circuit for FET Characteristics • On board variable supply voltage (0 to ±12V at least) • On board ammeter and voltmeter • Block Description Screen printed on glassy epoxy PCB • Interconnection through banana patch cords (patch cord included) • Built in Power supply • On board interactive user manual based on Graphical LCD (128x64) 																

2.03	AC Bridge Kit	01	<ul style="list-style-type: none"> • On board circuit to study Wein's Bridge and Schering's Bridge • On board amplifier, oscillator and speaker interface • Test terminal at various points to analyse signals • Block Description Screen printed on glassy epoxy PCB • Interconnection through banana patch cords (patch cord included) • Built in Power supply • On board interactive user manual based on Graphical LCD (128x64)
2.04	Analog Communication Kit	01	<ul style="list-style-type: none"> • On board Carrier Frequency and modulating signal generator • On board Amplitude Modulator and Demodulator circuit • Potentiometer for varying percent of modulation • On board Frequency Modulator and Demodulator circuit • On board Phase Modulator and Demodulator circuit • Test terminal at various points to analyse signals • Block Description Screen printed on glassy epoxy PCB • Interconnection through banana patch cords (patch cord included) • Built in Power supply • On board interactive user manual based on Graphical LCD (128x64) with wave forms and connection diagram
2.05	Pulse Modulation Kit	01	<ul style="list-style-type: none"> • On board Carrier Frequency, Modulating Signal and Synchronous Clock generator • On board PAM Modulator and Demodulator circuit • On board PPM Modulator circuit and Demodulator circuit • On board PWM Modulator and Demodulator circuit • Test terminal at various points to analyse signals • Block Description Screen printed on glassy epoxy PCB • Interconnection through banana patch cords (patch cord included) • Built in Power supply • On board interactive user manual based on Graphical LCD (128x64) •
2.06	Pulse Code Modulation Kit	01	<ul style="list-style-type: none"> • On board TTL clock generator(greater than 15KHz) • On board modulating signal generator with frequency range 400Hz to 2 KHz(at least) • On board PCM encoder and decoder • LED for data display • Test terminal at various points to analyse signals • Block Description Screen printed on glassy epoxy PCB • Interconnection through banana patch cords (patch cord included) • Built in Power supply • On board interactive user manual based on Graphical LCD (128x64)