


Notice Inviting Tender

COOCH BEHAR COLLEGE

Ref no: 1219/41-17

Date: 01/09/2017

Tender is invited for purchase /making of some items. For details visit our website:  
[www.coochbeharcollege.org.in](http://www.coochbeharcollege.org.in)


  
Principal  
Cooch Behar College  
Cooch Behar  
Principal  
COOCH BEHAR COLLEGE  
COOCH BEHAR

**Tender Notice**

Ref: - 1219 / 41-17

Date : 01.09.17

The undersigned invites sealed Quotations, Tender from bona fide suppliers/agency/firm for the supply/work of the following articles/equipments/building materials /making for the use of the college(A to C) . Last date of submission of quotation is .09.09.17, time up to 11.45 a.m. The quotation will be opened on 09.09.17 at 12.15 p.m. The Authority reserves the right to reject any or whole of the quotation without assigning any reason whatsoever. GST Clearance Certificate to be enclosed with the quotation. **The rates with or without GST, ED, Freight & delivery charge, if any should be mentioned separately & clearly.** Tender price to be given in discrete component item wise as well as complete set wise All supply/work will be received/done in the premises of the college. Quotation received after the scheduled time and date will not be entertained. Advanced Fax copy/Email copy of the quotation will be accepted from the outstation suppliers/agency/firm subject to the submission of the full quotation with necessary documents including Draft/ Bankers Cheque within the last date & time of submission (Fax No. 03582-256798 E-mail : [principal@coochbeharcollege.org.in](mailto:principal@coochbeharcollege.org.in)). With every quotation (Item mentioned against) a Bank Draft / Bankers Cheque in favor of "The Principal, Cooch Behar College" amounting to Rs. 200.00 (Rupees two hundred) only non-refundable must be enclosed as processing fee.

  
(Dr. P. K. Debnath)  
Principal  
Cooch Behar College  
Principal  
COOCH BEHAR COLLEGE  
COOCH BEHAR

**Item no. (A) of Tender Notice Ref. no 1219/41-17 dt. 01.09.17 for Department of Physics**

Sl. No.	Name of Apparatus/Equipments [As per CBPBU CBCS B.Sc. Physics (Honours)/Program Course Standard]	Quantity (may vary during purchase)
1.	To determine the height of a building using a Sextant-Complete Set	5 Sets
2.	To study the Motion of Spring and calculate (a) Spring constant, (b) Acceleration due to gravity (g) and (c) Modulus of rigidity-Complete Set	5 sets
3.	To determine Acceleration due to gravity (g) and velocity for a freely falling body using Digital Timing Technique-Complete Set	3 sets
4.	To determine the Young's Modulus of a Wire by Optical Lever/flexure Method-Complete Set	5 sets
5.	To determine Acceleration due to gravity (g) by Bar Pendulum-Complete Set	5 Sets
6.	To determine Acceleration due to gravity (g) by Kater's Pendulum-Complete Set	2 Sets
7.	To determine the Moment of Inertia of a Flywheel -Complete Set	5 Sets
8.	To determine Modulus of rigidity of a wire by Maxwell's Needle-Complete Set	5 Sets
9.	To determine the Elastic constants of a wire by Searle's Method. -Complete Set	5 Sets
10.	Response curve in <b>LCR series/parallel circuit</b> and to find Q-factor & (LR/CR ckt Study) – Complete Set air core inductance (10mH), ceramic/mica capacitor (0.1 $\mu$ F, 25V), a resistance (100 ohm), a low resistance audio frequency oscillator 0-3V, 20Hz-20kHz), ac electric voltmeter (0-10V), key etc. <b>OR</b> all in one compact board.	2 Sets
11.	To draw the characteristics of a <b>Bipolar Junction Transistor (BJT)</b> in CE and CB modes and to find its parameters $\alpha$ and $\beta$ – Complete Set with a transistor (SL/CL-100, BC-107 etc., fitted on a ckt board with two turn potentiometers ( $P_1$ : ~500 $\Omega$ , $P_2$ : ~10 $\Omega$ and 10 k $\Omega$ ) and a resistor R (~20 k $\Omega$ ), a stabilized power supply 0-10V, 100 mA for collector supply and a stabilized power supply 0-2 V, 100 mA for base supply, three milliammeters (0-15 mA) & (0-30 mA)-2pc, , a microammeter (0-100 $\mu$ A), a voltmeter(preferably with two scales 0-1 V and 0-10 V), a high impedance voltmeter (VTVM or digital multimeter) etc. <b>and/or your description as in your quotation submitted.</b>	1 set
12.	To study the input offset voltage, input bias current input offset current of an <b>OPAMP</b> and use it as an (a) Inverting and	1 set



	non-inverting amplifier, (b) differential amplifier, (c) integrator and (d) differentiator- Complete Set IC 741C OPAMP, $\pm 12V$ dc power supply, some carbon resistances (k $\Omega$ range), 2 variable voltage source (0 $\pm 5V$ & 0 $\pm 0.5V$ ), digital dc voltmeter (0-1V & 0-10V), 10k $\Omega$ range potentiometer, electronic voltmeter etc. with Function Generator(KHz/MHz range) and/or your description as in your quotation submitted.	
13.	Cotton/Synthetic Dust Cover for Electronic/Electrical Set-UPS(Different Sizes)	100 pcs
14.	He/Ne/Ar gas discharge tube 2 pc each, HV power supply-3pcs and Stand-3 pcs for He/Ne/Ar gas discharge tube	

**Note for Suppliers:**

1. Apparatus/Equipments must be as per latest Cooch Bihar Panchanan Barma University B.Sc. Physics (HONOURS)/Program Practical CBCS Syllabus only.
2. All items are to be delivered at Physics Lab. At the time of delivery each set is to be mounted/hanged/demonstrated/tested in presence of students with the help of supplier's materials; only electric and water supply will be provided by College. So **Technical Person** has to come during delivery.
3. Challan will be signed and bill will be received once only after finishing of delivery of items. Incomplete item delivered challan will not be signed.
4. Payment will be made on completion of delivery of all supply-ordered items in proper condition. Delay in delivery of items may be considered but the payment will be deferred accordingly. Please attach photocopy of this supply order copy with bill. **GST amount & % and other charges, if any, must be given in separate column each item wise in the bill in compliance with amount to pay (ATP) as in quotation.**
5. Apparatus for each experiment should be complete in all respects. All the necessary components/accessories should be accompanied.
6. Equipment/Apparatus should include Manual and sample result.
7. Warranty & guaranty papers are to be given.
8. Free small loose small spare parts with any set-up will be accepted thankfully.

**Purchase & Supply of Apparatus/Equipments : PREFERABLE QUOTATION FORMAT (MANDATORY)**

**DIGITAL PHOTOGRAPHY IN CD OR ONLINE E-MAILED FORM OF EACH ITEM-WISE & COMPLETE ARRANGED SET-WISE IS MUST**

Sl. No.	ITEM/COMPONENT NAME	MANUFACTURING COMPANY NAME	ITEM/COMPONENT WEIGHT, DIMENSION, MEASUREMENT RANGE/ACCURACY, QUALITY	INDIVIDUAL PRICE	COMPLETE SET PRICE	GST (%)	OTHER CHARGES IF ANY	GROSS UNIT PRICE (ATP#)	WHETHER PHOTO IN CD/DVD GIVEN ? Y/N
1.	i)								
	ii)								
	iii)								
2.	i)								
3.									

**Also please Include Digital Photo of Supplies Company/Firm/Show Room/sales counter/Stocks**

**ATP# : AMOUNT TENDERED BY Suppliers Company and hence TO PAY BY THE COLLEGE TO THEM**

Item no. (B) of Tender Notice Ref. no 1219/41-17 dt. 01.09.17 for Department of Mathematics


SI No.	ITEM	SPECIFICATIONS	QUANTITY
1.	Anti virus Quick Heal Total Security	5 User	1Pc
2.	Anti virus Quick Heal Total Security	3 User	2Pcs.

Item no. (C) of Tender Notice Ref. no 1219/41-17 dt. 01.09.17 for Department of Chemistry

SI No.	ITEM	SPECIFICATIONS	QUANTITY
1.	Lab plywood box with self	Red coat/Globe/Sylvan plywood Thickness: 18 MM with putty and spray painting	18 Pcs
2.	plywood box with self of balance room	Red coat/Globe/Sylvan plywood Thickness: 18 MM with putty and spray painting	12 Pcs.
3.	Wooden table of Sal wood for distrillation set	Top= 4ft x20", height= 3ft. Made with 3"x3"	01 Pc.

**TERMS AND CONDITION**

1. Intending agency/firm should drop the tender at the office of the undersigned by himself or any authorised person.
2. Intending agency/firm will have to produce valid up to date clearance certificates of Sale Tax Certificate, I tax return of last year, GST registration certificate and Professional Tax certificate in Original/ Xerox attested along with the applications. PAN card & Trade license should also be enclosed.
3. Tender must be sealed and the Tenders must fulfill the norms and condition. The name of the work /item must be super-scribed on the body of the tender cover.
4. In case of Engineers Co-Op. Society, last Audit report should also been enclosed in original.
5. All attested copies must be attached to application and the agency/firm must show their original all (tender related) papers when ever required.
6. The undersigned reserves the right to reject any or all tenders without assigning reason what so ever.
7. **Agency/firm should write down the SL NO, Ref. No. & Date over the envelope clearly.**

  
(Dr. Pankaj Kr. Debnath)  
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