

**GOVERNMENT OF WEST BENGAL
DEPARTMENT OF PHYSICS
BETHUNE COLLEGE
181, BIDHAN SARANI, KOLKATA - 700006**

TENDER NOTICE FOR THE YEAR 2021-22

Tender Notice No.- 282/BC

Date – 17.05.2021

Last Date of Submission of Tender –

Sealed quotations are hereby invited, on behalf of the Principal Bethune College, Kolkata, from reputed vendors to supply the under mentioned items for the Department of Physics, Bethune College. The detailed Terms and Conditions are given below. Further details, if required, may be obtained from Physics Department.

Terms and Conditions

1. Copy of PAN Card, Income Tax and Sales Tax clearance certificate for the F.Y. 2020-21, Trade license, cancelled cheque and GST Number should be furnished with the quotation.
2. Mandate form to be submitted in Company Letter head.
3. Make, model number and specifications of the items should be clearly mentioned.
4. Price per unit of the item and GST amount should be shown separately.
5. All items should carry minimum 1 year warranty.
6. Delivery charge and Installation charge (if any) should be included in the price of the item.
7. All items should be supplied, after receiving the official order, within stipulated time.
8. Bills must be submitted in triplicate.
9. Payment will be made as per Government rules.

Head, Deptt. of Physics

Equipments and Accessories :

- 1) Arduino UNO R3 ATmega 328P Microcontroller Board (original)
- 2) LM35 Temperature Sensor
- 3) IR receiver transmitter diode set
- 4) 7 Segment Led Display
- 5) Bread Board Power Supply
- 6) Anderson bridge experiment set up
- 7) Digital Storage Oscilloscope(Techtronix/ APLAB / GW Instek/ Scientific/ similar standard make
- 8) DC Power supply (0-2 V, 0-5V, 0-10 V, 0-20 V variable
- 9) Digital Multimeter with L and C measuring facility (4 ½ digit) (Aplab/Metravi/ GW Instek Model-GDM-357/ any standard make)
- 10) DC Voltmeter (1V, 5 V, 10V, 20V, 30V)
- 11) AC Voltmeter (0-2/0-20 V)
- 12) DC Ammeter (30 mA, 50 mA, 100 mA, 200 mA, 5A)
- 13) Mains operated Laser source
- 14) Mutual inductance coil for mutual inductance experiment
- 15) Ballistic Galvanometer (Time period > 10 Sec) (Sett & De/ INCO/ OSAW)
- 16) Dead Beat Galvanometer (Sett & De/ INCO/ OSAW)
- 17) Set up for determination of frequency of a tuning fork by Melde's Experiment
- 18) Bar pendulum
- 19) Experimental set up to study photoelectric effect.
- 20) Experimental set up to study I-V characteristics of tunnel diode.
- 21) Hot Plate with thermostat controlled regulator and stand (LABARD or similar standard make)
- 22) Newton's ring experimental set up
- 23) Travelling Microscope (3D motion) (INCO/ DEVCO)
- 24) Stop watch (Analog) (Racer/ Diamond)
- 25) Cross grating (100 lines/mm)
- 26) Grating (300 lines/mm) (Hilger& Watts)
- 27) Commutator key (Sett & De/ INCO)
- 28) Pohl's commutator (Sett & De/ INCO)
- 29) Tapping Key
- 30) Inductance coil (10 – 40 mH)
- 31) Step down transformer (230 V to 9 V, 12 V, 15V) [Set inside a box]
- 32) Resistance Box (100, 5000, 10000 ohm)
- 33) Decade Resistance Box
- 34) Fixed resistance (in Box, 1A) (1 Ω , 2 Ω , 5 Ω , 10 Ω)
- 35) Standard low resistance (.01, .02, .05, .1, .2, .5 ohm)
- 36) Electric Heater (1 kW, 1.5 kW)
- 37) Table lamp
- 38) Zener Diode (5.6 V, 6.2 V/ 2 W and 5.6 V, 6.2 V / 0.5 W)
- 39) IC chip (7400, 7402, 7404, 7408, 7432, 7410, 7411, 7453, 7456, 7474
- 40) 555 timer IC chip
- 41) OPAMP (IC 741)
- 42) Transistor (CL 100, SL100, BC107, BC547)
- 43) JFET (BFW 10/ BFW11)

- 44) Capacitor (0.01, 0.1, 0.22, 1, 10, 100, 470, 1000 microfarad)
- 45) Hook up wire (single strand PVC covered for use in Bread Board)
- 46) Copper connecting wire (cotton covered insulated)
- 47) Constantan wire for Cu-constantan thermocouple
- 48) Rheostat (25 ohm, 50 ohm 5A) (Sett & De/ INCO)
- 49) Weight Box
- 50) Spirit level (Brass)
- 51) Extension Board (3 pin, 6 nos . 5A-5 pin plug points with separate switch, with indicator and fuse, wooden, 20 ft chord)
- 52) Rubber tube (6 mm dia, good quality)
- 53) Hypsometer (Copper)
- 54) Clamp with stand
- 55) Bar magnet (5 cm)
- 56) Expt Set up of Determination of Hall voltage by four probe method
- 57) Expt. set up for determination of thickness of a thin paper from interference pattern produced by wedge-shaped film.
- 58) Expt. Set up for determination of dielectric constant of solid and liquid using fixed frequency alternating source
- 59) Expt. Set up for determination of magnetic susceptibility of solids
- 60) Expt. Set up for Verification of Stefan's law of radiation

Chemicals &Glassware :

- 1) Mercury
- 2) Aniline
- 3) Sucrose
- 4) Glycerine
- 5) Ethyl Alcohol
- 6) Methylated spirit
- 7) Naphthalene dust
- 8) Rectified spirit
- 9) Spirit lamp
- 10) Distilled water
- 11) Round bottom flask with long neck and side tube (1 litre) (Borosil)
- 12) Glass funnel (small and medium)
- 13) Test tube (different size) (Borosil)
- 14) Thermometer
- 15) Machine oil

Servicing of Equipments

- 1) Dc power supply (2V, 5V, 10V fixed and variable)
- 2) Regulated power supply (30 V, 5A)
- 3) OPAMP Experiment Board
- 4) Transistor Experiment Board

- 5) h- parameter Experiment Board
- 6) CE amplifier experiment board
- 7) Logic gate experiment board
- 8) FET Experiment Board
- 9) OPAMP Power supply
- 10) CRO
- 11) Function Generator
- 12) True RMS AC milivoltmeter (SES)
- 13) DC voltmeter
- 14) DC ammeter and milliammeter
- 15) Table galvanometer
- 16) Ballistic galvanometer
- 17) Dead beat galvanometer
- 18) Spectrometer
- 19) Potentiometer
- 20) Meter bridge

Head, Deptt. of Physics

BETHUNE COLLEGE
DEPARTMENT OF COMPUTER SCIENCE

➤ **REQUISITION FOR SOFTWARE LABORATORY–**

SL. No.	NAME OF THE ITEM	QUANTITY	NATURE OF WORK NEEDED
1.	UPS Machine	3 nos.	New
2.	UPS Battery	1 no.	New
3.	Motherboard and other necessary components (for HP 110 Desktop PC)	1 no.	Repair and/or replacement
4.	HP Laserjet CP 1025 Printer (logic circuit replacement)	1 no.	Repair

Bethune College
Department of Chemistry
Purchase proposal (2021-22)

Books and Journals:

- a. Books of 4th, 5th and 6th Semester (5 copy each)
- b. Journal (two)
- 1. Chemicals:
 - a. Solvents: i. Petrol ether, ii. Ethylacetate, iii. Chloroform, iv. Methanol, v. Acetone, vi. n-butanol, vii. CCl₄ etc
 - b. Materials: KI, AgNO₃, K₂S₂O₈, Sucrose, Silica gel for TLC for chromatography (60-to 120 mesh) etc
- 2. Equipments and Instruments:
 - a. Melting point apparatus (One)
 - b. Surface Tension measurement instruments (DuNuoy Tensiometer) (Two)
 - c. Keweenaw Balance (4th place of decimal) (One)
- 3. Glasswares and Accessories
 - a. 100 ml beaker (50), 250 ml conical flask (50), Viscometer (80-100secs) (50), Burettes (50). Pipettes (25 ml) (50), Pipettes (10ml) (50)
 - b. Combined electrode (5), Silver electrode (5), Platinum electrode (5)
- 4. Furniture and repairing works:
 - a. Wall racks (Inorganic, Physical)
- 5. Instrument, Balance and Water Purifier Servicing and repairing

**Department of Economics
Bethune College, Kolkata**

Resolutions taken in the Departmental meeting held on 21.05.21:

List of items/equipments to be purchased in 2021-22

Item	No.s
1. Computer tables-	03
2. Almirah (steel)	01
3. LCD projector	01
4. Cartridge of HP Printer P1108	02
5. Cartridge for HP all in one Printer	02
6. Stationery (Rs. 5000/-)	
7. External hard disc	01

Members present:

Dr. Suranjana Dasgupta

Dr. Maitri Ghosh

Dr. Dipyaman Pal

Dr. Satarupa Bandyopadhyay

Satarupa Bandyopadhyay

**Head
Department of Economics
Date: 21.05.21**

**OFFICE OF THE PRINCIPAL
BETHUNE COLLEGE, KOLKATA**

NOTICE

Dated: 21.05.2021

All the Departmental HODs are requested to submit a list of the purchases to be made in the financial year 2021-22. The list is to be mailed to Dr. Saswati Laha, Convenor Website Committee, and Sri Prabir Swain, Accountant, by 12.00 noon today. If any department fails to submit it by 12.00 noon today any request for purchase in the financial year 2021-22 will not be entertained.

Purchase Committee should have taken the responsibility of this matter in due time.

Principal,

Bethune College, Kolkata.

Bethune College
Department of Psychology
Purchase proposal (2021-22)

LIST OF ARTICLES TO BE PURCHASED DURING 2021-2022

i) PGI general wellbeing test	2	1100x2=2200/-
ii) Rorschach Inkblot Test	2	23000x2= 46000/-
iii) 16 P.F Form A	3	4400x3= 3200/-
iv) TAT	3	7500x3= 22500/-
v) LED MONITOR	1	3938
vi)DSLR Camera	1	32500

Bethune College
Department of Philosophy
Purchase proposal (2021-22)

List of things to be purchased in the session 2021-22

1. Replacement/repairing of Cupboard in Room no 14 is required.
2. Repairing of broken glasses of Book Bank is also needed.
3. A laptop too is very much necessary.

**Department of Zoology
Bethune College, Kolkata**

20.05.2021

Requisition for 2021-2022

1. AC Machine – 2 Nos
2. 1 TB External Hard Disk -1
3. High bench -3
4. Low bench -3
5. Table -1
6. Chair -1
7. Black board large size – 3
8. Maintenance of laboratory equipments
9. Aluminium frame, sliding window for departmental verandah
10. Rearrangement of room partition for a dedicated class room for PG students.

T. K. Misra
HOD of Zoology

GOVERNMENT OF WEST BENGAL
Library
BETHUNE COLLEGE
181, BIDHAN SARANI, KOLKATA - 700006

TENDER NOTICE FOR THE YEAR 2021-22

Tender Notice No.- 282/BC

Date – 17.05.2021

Last Date of Submission of Tender –

Sealed quotations are hereby invited, on behalf of the Principal Bethune College, Kolkata, from reputed vendors to supply the under mentioned items for the Department of Physics, Bethune College. The detailed Terms and Conditions are given below. Further details, if required, may be obtained from Physics Department.

Terms and Conditions

1. Copy of PAN Card, Income Tax and Sales Tax clearance certificate for the F.Y. 2020-21, Trade license, cancelled cheque and GST Number should be furnished with the quotation.
2. Mandate form to be submitted in Company Letter head.
3. Make, model number and specifications of the items should be clearly mentioned.
4. Price per unit of the item and GST amount should be shown separately.
5. All items should carry minimum 1 year warranty.
6. Delivery charge and Installation charge (if any) should be included in the price of the item.
7. All items should be supplied, after receiving the official order, within stipulated time.
8. Bills must be submitted in triplicate.
9. Payment will be made as per Government rules.

Librarian , Bethune College

Equipment and Accessories :

1. Handled Reader
2. 2 TB External Hard Disk
3. Foot Fall counting and Digital Card Punching System

Books and Journals

1. Books & Journals amounting Rs. 4 lakh (Specify rate of discount)
2. E Book Subscription and Library access 2 lakh

Servicing of Equipment & Other Regular Services

1. Book Binding
2. Pest Control (4 Times)
3. AMC for RFID Systems
4. Dusting

Furniture and Other Necessary Works

1. Wooden Table and Chairs for teachers Reading Room
2. Book Drop Box for Students
3. Polythene Scroll Cover for old and Rare stack

Librarian

Bethune College