

# TRIVENIDEVI BHALOTIA COLLEGE, RANIGANJ



Estd. 1957

[Govt. of West Bengal Sponsored]  
Post. : Raniganj, Dist. : Paschim Bardhaman,  
Pin. : 713347  
NAAC Accredited B<sup>+</sup> Grade College

Phone:0341-2444780

0341-2444275

Ref.....

Date...16.01.2020.....

To,

**Ref: Limited Tender on spot quotation basis for the items as listed below**

You are requested to quote the price (F.O. R. T D B College, Raniganj) along with the specification of any one or more of the following items within fifteen (15) days.

## REQUIREMENT FOR INSTRUMENTS IN THE DEPARTMENT OF PHYSIOLOGY

Sl. No.	Instruments needed	Quantity
01	<b>Inverted microscope with camera</b> - 5.0MP CMOS sensor, 3.5" TFT LCD Color Display, Captures Images and 30 fps Videos, Top/Bottom LED Illumination 4x/10x/40x Achromatic Objectives 40x/100x/400x Magnification/4x Digital Metal Frame/Mechanical Stage/Two Clips Disc Diaphragm with Color Filters	01 pc
02	<b>Chromatography plates</b> – Aluminium oxide plates are required to analyze neutral compounds at neutral pH levels, without a fluorescence indicator and 60 Å -150 Å pore sizes.	01 pc
03	<b>Oil-immersion microscope</b> - 40x, 100x, 400x Magnification 4x, 10x, 40xR Objectives Widefield 10x Eyepiece 45°½ Inclined Head Head Rotates 360°½ Cordless LED Illuminator	02 pcs
04	<b>Dale's Apparatus</b> - An organ bath with fine thermostatic temperature control and complete set of accessories, making it a versatile unit for all research work. Bath 9"×6"×8", with leak proof joints, resting in sturdy metal frame; 1"×3/8" hick band for fixing accessories, inside the bath there should be metal sheathed heating element (easily replicable) controlled by means of a fine adjustable thermostat with sensitivity ±1°C. Must include the Standard components: Frontal Writing Lever-1, Organ Tube-1, Aeration Tube-1, Stirrer-1, Stainless Steel capillary levers	02 pcs
05	<b>Wintrobe tube with ESR stand</b>	01 sets
06	<b>Wifi adapter</b> – For Windows 32/64bits, 150Mbps speed supporting 64/128 WEP, WPA, PA2/WPA-PSK	01PC
07	<b>Portable, external harddrive</b> – 1TB, USB 3.1 Gen, with shock protection	01pc
08	<b>Extension Cord</b> – 10mtrs long, with two 15Amp and two 5Amp sockets, must include fuse and indicator light, input voltage AC220-250V, wooden/ plastic body for insulation	01pc

09	<b>UPS</b> - Capacity: 600VA; Input Voltage: 230VAC; Input Voltage Range: 140-300VAC; Output Voltage Regulation (Batt. mode): +/- 10 percent Transfer time: Typics 4-8 ms; Waveform: Modified sine wave; Battery Type: 12V/7Ah x 1; Recharge Time: 6 hours to 90 percent after complete discharge; Dimension (L xW x H): 324 mm x 140 mm x 220 mm with an LED indicator which signals when the battery is low. 2 Years (1st year on - site* 2nd year carry - in) (1 year warranty on battery)	01 pcs
10	<b>LCD Projector</b> – Aspect Ratio 4:3, Horizontal Resolution 1024 Pixels, Max Vertical Resolution 768 Pixels, Noise Level 37 dB, Wattage 282 Watts, Total Usb Ports 1	01 pc
11	<b>Microtome Blade</b> - Double Edge razor 140mm for Microtome	01 pc
12	Printer cartridge – Laserjet 88A, Deskjet F2418 color	01 pc
13	<b>ECG portable machine</b> – 3 channel ECG recording with 12 lead. Large Colour LCD Display enabling the preview of ECG and preview of patient information entry Internal memory -Storage of up to 200 ECGs	01 pc
14	<b>Sphygmomanometer – Blood Pressure measuring apparatus</b> – 0 to 300 mm of Hg scale with elegant finish, fine numbering and durable background contrast paint for clear visibility. Fused type, permanent graduation marking on the glass tube. Special control valve for perfect pressure drop. Best quality cuff for getting excellent grip. Surface plating adapted to all exposed metal parts to prevent corrosion.	02pcs
15	<b>Digital Colorimeter</b> - Digital colorimeter warranty 12 months, a. Led light source : polychromatic light over the entire visible region, b. Broad spectrum filter with colorwheel having eight different filters, which can be selected by wavelength. Each filter should produce monochromatic light at a specified peak wavelength with a bandpass of 20 nm. The filters should enable the user to perform tests from 400 to 680 nm, c. Detector: silicon photo diode e. display: the current signal from the detector should be converted to a numerical value, absorbance and should be shown on led display. f. Must include the appropriate cuvette of 3ml	01 pc
16	<b>Hand-grip strength dynamometer</b> - The high precision power gauging with accurate momentary digital reading of gripping power and the value of the capturing of maximum achieved grip power should be automatically displayed. The hand dynamometer should be calibrated to 198 lbs (90 kgs). Before using, adjustment up or down the handle by turning the knob should be enabled	01 pc
17	<b>Peak Flowmeter</b> - Compact, lightweight and portable built-in flexible three – zone management system easy- to- read numbers measurement range 60-800 l/min accuracy and repeatability assurance suitable for use with disposable mouthpiece	01 pc
18	<b>Microscope eye piece 2x</b> – product dimension should be 2cm in diameter	01pc

You are also requested to mention/attach the following information/documents along with the quotation.



- a) Latest sales tax/VAT clearance certificate, b) credentials if any c) Authorized dealership certificate from the original manufacturer, d) Warranty period (3 year comprehensive on-site) and e) catalogue specifications of the item.

Purchase will be made as per purchase rules of the Institute. Delivery should be made to the Department of Physiology, T D B College, Raniganj within 30 days from the date of issue of purchase order.

Terms of payment: Within 30 days after satisfactory installation, commissioning and acceptance of the goods, on receipt of bill & challan in triplicate. 100% payment will be made.

Comprehensive onsite warranty shall be applicable to the supplied goods for a period of 36 months from the date of installation.

The quotation has to be submitted to The Principal, T D B College, Raniganj, West Bengal on or before 15 days only.

*AK*  
*A. K. De*  
Dr. Asish Kumar De  
Principal  
T D B College,  
Raniganj,  
West Bengal.

*Allowed to  
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*AK* 17/01/2020

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the soft copy to*

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