



(Affiliated to the University of Burdwan)
P.O.: Katwa, Dist.: PurbaBardhaman, West Bengal, 713 130, India

Ref: 32/Equipments /KC/PC/20T

Date- 22/01/20T

QUOTATIONS NOTICE FOR EQUIPMENTS PURCHASE FOR VARIOUS DEPARTMENT IN RESPECT OF ADVERTISEMENT NO - IN THE DAILY NEWS PAPER THE TELEGRAPH, PAGE NO- METRO- 12, DATED – 11/02/2020 AND SANGBAD PRATIDIN PAGE NO-6

Sealed Quotations are invited from recognized Manufacturers/Suppliers/Contractors for procuring following items within **25/02/2020** (on working days, upto 3.00 p.m.). In no case the Quotations papers will be accepted after the date and time mentioned above. Quantity of the specific items may change according to final consideration. Quotation of different price ranges may be submitted for an item where specification / Model no. is not mentioned. **Quotations must include GST registration no., inclusive GST rate, exclusive GST rate and status of delivery/installation charges etc along with terms and conditions of available Guarantee/Warranty.** At the time of Payment College will deduct TDS from total claim amount as per rules. Quotations papers should be separately submitted for specific envelop as mentioned hereunder. No softcopy is entertained/ accepted. Sealed Quotations to be sent in the College Address – Principal, Katwa College, Katwa, PurbaBurdwan, 713130 within **25/02/2020 on working days, upto 3.00 p.m)**

LIST OF EQUIPMENTS

1. Department of Chemistrty:

DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER

Brand : "SHIMADZU" Model : UV-1780

Technical Specification

Wavelength Range	: 190.0 to 1100.0nm
Spectro bandwidth	: 0.5, 1, 2, 4, 5nm (five widths)
Wavelength Setting	: 0.05nm
Wavelength Accuracy	: ±0.1nm D2 656.1nm, ±0.3 nm(All regions)
Wavelength Repeatability	: ±0.1nm
Wavelength Scanning Speed	: 5 Speed (When moving wavelength: approximately 4,800 nm/min When scanning wavelength: Approximately 3,000 nm/min to 0.5 nm/min)
Light source switching	: Automatic switching with wavelength range. Variable wavelength can be set in range from 295 nm to 364 nm (in increments of 0.1 nm).
Stray Light	: ≤0.05% (220nm NaI, 360nm NaNO ₂)
Photometric System	: Double beam optics

Photometric Range	: Transmittance: 0~300%T, Absorbance: -3.0~3.0Abs
Photometric Accuracy	: ±0.002Abs (0~0.5Abs), ±0.004Abs (0.5~1.0Abs), ±0.3%T
Photometric Repeatability	: 0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), 0.1%T
Baseline Stability	: ≤0.0004Abs/30mints (500nm) (1 hour after the light source turns on.)
Baseline Flatness	: ±0.001 Abs(1100~190 nm) (1 hour after the light source turns on.)
Noise level	: 0.0008 Abs (500nm)
Light source	: 20W Halogen lamp, Deuterium lamp
Monochromator	: Czerny-Turner monochromator, 1200/mm Grating
Detector	: Photo Diode
Sample Compartment	: Interior dimensions : 110×230×105 (mm) WxDxH
Power Supply	: AC220V, 50Hz, 130VA
Operating Temperature	: Temp :10-35° C, Humidity: 85%
PC Connection	: UV Probe USB
PC Compatibility	: Computer and UV Probe Software
Connection	: USB : 3 Place I/O : 2 Place
Display	: LCD
Dimensions	: W550×D470×H200 (mm)
Weight	: 17kg
Measurement Mode	: Spectrum, Kinetics (time feed measurement), Photometric (quantitative measurement), Time Scan, Multi-Component Analysis, Bio-method

2. Internet Cable Connections

500 sqmtr Campus with 5(G+2) building having 130 no rooms required to be covered under Wifi Zone and fully managed L3 1Gbps Lan Network with monitoring facility. (All equipment should be CISCO and D-Link).

3. Desktop Computer and Laptop Quantity – 20 + 5

S.No.	Component	Description
	Make & Model	To be specified
1	Processor	Intel® 9th Generation Core i5 9500 / i3 9100 (Choose any one Processor)
2	Chipset	Compatible chipset B365 or better
3	Motherboard	OEM Motherboard with logo embossed (no sticker)
4	Memory	4 GB DDR4 RAM expandable to 32GB; Two DIMM slots; Non-ECC dual-channel upto 2666 MHz

5	Hard Disk Drive	1TB HDD, 7200 RPM or Higher
6	Optical Drive	8x DVD Writer
7	Graphics	Intel Integrated 630 Graphics
8	Audio	High Definition Integrated Audio with Internal Speaker
9	Ethernet	Integrated Gigabit (10/100/1000 NIC) LAN & inbuilt wifi
10	Slots	1 x PCIex16, 1xPCIex1, 1 M.2, 3-IN-1 SD Card reader
11	Bays	One 3.5" HDD convertible to two 2.5" SSD with caddy
12	Ports	Minimum 8 USB Ports (4 USB 3.1 Gen 1, 4 USB 2.0) out of which 2 USB ports in front ; (1) VGA video port; (1) HDMI Port ; (1) RJ-45 network connector ; (1) RS-232 serial port ; 1 universal audio jack for headphone& MIC ; 1 audio line in, 1 audio line out
13	Form Factor	SFF
14	Power Supply	MAXIMUM 180 W power supply with 90% efficiency
15	Keyboard/Mouse	USB 104 keys keyboard (Same make as PC) USB 2 Button Scroll Mouse (Same make as PC)
16	Operating System	Genuine Microsoft Windows 10 Home SL with one button recovery
17	Diagnostic Tool	BIOS Diagnostics
18	Security	TPM 2.0 Security Chip / SATA port disablement (via BIOS) Serial, USB enable/disable (via BIOS / Removable media write/boot control Optional USB Port Disable at factory (user configurable via BIOS) Power-On password (via BIOS) ; Administrator password (via BIOS) ; Setup password (via BIOS) Support for chassis padlocks and cable lock devices
19	Compliance And Certification	Energy Star ver 6.1 for the given form factor of desktop & monitor EPEAT certified in India for the given form factor of desktop & Monitor FCC, CE, RoHS Certificate for quoted desktop & Monitor UL Certificate Windows certificate ISO 9001, 14001,20001,27001 for OEM
20	System Weight / Volume	Weight should be less than 4.4 KG and volume less than 7.8 L (As global Datasheet)
21	Information Accessibility	Product details, specifications and brochure to be available in public domain.
22	Support	Drivers should be available for download from OEM site for at least 3 years from the date of purchase order
23	Market Credibility	The OEM vendor should be of positive net worth for the last three years
24	Monitor	19.5" Monitor with resolution of 1600 x 900 or higher TCO 7.0 Certified
25	Other	The detailed Technical specifications of the Model with images should be available to public on OEM's official website for verification.
26	Warranty	5 Years comprehensive OEM warranty
Laptop Make: HP 250G6 Commercial Business Laptop.		Processor: 6 th Gen Intel® Core™ i3-6006U @ 2.0GHz, 3MB, 2 Cores Memory: 4GB DDR4RAM Hard Disk: 1 TB SATA 5400RPM Operating System: Windows 10 Pro 64-Bit license Warranty: 1 Year Onsite Warranty with ADP

4. Aquaguard Storage cum Purifier Quantity - 2

1.	Aquaguard storage Cooler cum purifier with 80 Litres capacity AG 80PSS Model 	<ol style="list-style-type: none">1. With external dimensions (wxdxh)- 640x450x1350,2. Operating power supply-230 ± 10 % v ac, 50 hz, running current in amps (max)-3.2 ± 10 %,power in watts-625 ± 10 %,3. Water storage tank capacity-80 ltr, capacity with comfort level water outlet temperature at 17 deg c-60 lph,4. Refrigerant- Freon 22,5. Compressor make- Emerson6. Thermal insulation for storage tank-PUF,7. Total no. of faucets-02 (1 normal+1 cold), recommended max water flow rate through the faucets in lpm-1.5,no of stages for filter cum purifier-038. No of purifier circuits-02,purifier fault indication (buzzer),visual control (leds),water flow swith,10 minutes uv auto shut off,9. Storge tank material & body material-SS 304, working with - 0.4 kg/cc min. Water input pressure and 2 kg/cc of max. Water input pressure, integrated water cooler cum purifier with endpoint purification technology, make Eureka Forbes Limited
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5. Self Appraisal Diary

Suppliers are requested to collect the specimen diary from Principal's Office before submitting quotations.

6. Auditorium Hall Sound System

1. PENCIL BOX(WALL MOUNTAIN)-	AHUJA-	10pcs
2. CORDLESS MICROPHONE-	AHUJA-	2pcs
3. MICROPHONE STAND-		4pcs
4. AMPLIFIER-	AHUJA- 250w-	1pcs
5. PODIUM CORDLESS MICROPHONE-	AHUJA-	1pcs
6. MICROPHONE(WITH WIRE)-	AHUJA-	3pcs
INSTALLATION Charge		

Principal,
Katwa College