



GOVERNEMENT COLLEGE OF PHARMACY

Kathora Naka, AMRAVATI 444 604

(0721) 2531690 (O)
www.gcopamravati.ac.in

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e-mail: gcopamt@gmail.com

No. GCOPA/Store/State Grant-Equip/2023-24/

812

Date: 09.08.2023

Subject: Quotation for Supply of Lab Equipments for the year 23-24.

Dear Sir,

I have to request you to kindly quote your lowest reasonable rates for the following item and send the quotation in the sealed cover, so as to reach the undersigned on or before Dt. 23.08.2023 Date of Opening Dt.24.08.2023.

Sr. No	Specifications	Qty. Required
	List 1 :	
1.	<u>Drinking Water cooler :</u> Storage Capacity : 150 Ltr., Cooling Capacity : 20-100 Ltr., Number Of Taps : 2-3, Color : Silver, Body Material : Stainless Steel. With Aqua Water Filter system.	02 Nos.
2.	<u>UV/Visible Scanning Spectrophotometer :</u> <ul style="list-style-type: none">• Measurement mode - photometric, spectrum, quantitation, kinetics, time course and bio-methods Suitable for effective Ultra-fast scan• Supplied with microcells for micro-volume measurement• Have the provision for connection of USB memory stick• Low stray light – less than 0.02%T at 340 nm, 400 nm• Source Lamp Deuterium; Tungsten-Halogen• Source Lamp Life 2000 hours or more• Supplied with spare pairs of source lamps (Deuterium; Tungsten-Halogen)• Beam Type Double• Bandwidth 1.0 nm or less• Min Wavelength (nm) 190• Max Wavelength (nm) 1100 or more• High resolution - Wavelength Accuracy ± 0.1 nm or less• Wavelength Reproducibility ± 0.1 nm or less• Photometric - Absorbance (A) between -4 and +4• Photometric Drift < 0.0003 A/hour or less; Photometric accuracy - 0.006 or less• Detector Silicon photodiode• Monochromator – Holographic gratings• Operated standalone without PC (using LCD Display) as well as with a PC with UV-Vis software.	01 No.
3.	<u>Digital Polari meter :</u> <ul style="list-style-type: none">• Measurement of dark samples upto 1% transmittance• Supplied with various types of sample tubes• Sample tube length : 100 mm or 200 mm• Light source : Monochromatic Sodium Lamp.• Wave length: 589.44nm• Modulator : Faraday magneto optical modular• Measuring Range -Optical Rotation : -450 ~ +450• Measuring Range International Sugar Scale: -1200 ~ +1200 Z• Minimum transmittance of sample : 1%	01 No.
4.	<u>Desktop Computer i5 :</u>	



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	<ul style="list-style-type: none">• Operating System: Windows 11• RAM : 16 GB• Monitor - 21" with latest version configurations and all accessories.	35 Nos.
5.	<u>Desktop Computer i7 :</u> <ul style="list-style-type: none">• Operating System: Windows 11• RAM : 16 GB• Monitor - 21" with latest version configurations and all accessories.	10 Nos.
6.	<u>Halogen Moisture Analyzer :</u> Readability 0.001 %MC (0.1mg), <ul style="list-style-type: none">• Demonstrate Real-time drying curve• Drying programs - 4 or more• Min. Moisture Range (%MC) - 0.01• Readability - 0.001 % or less• Repeatability - 0.05 % or less• Drying Programs• Supplied with PC software and other accessories• Must have Password Protection and allow Multiple Users with Auto-Lock feature• Drying Temperature 40 °C – 230 °C or more• Temperature Increments 1 °C or programmable• Display Mode - g/kg, %MC• Useful for the analysis of Chemicals, Pharmaceuticals and Food, • Capacity 1 g or less	01 No.
7.	<u>Fluorescence Spectro fluorometer :</u> <ul style="list-style-type: none">• Capable of fluorescence spectroscopy with high-speed 3D measurements and ultrafast scanning• Supplied with advanced software• Suitable for routine analysis of pharmaceuticals, food science, and chemicals.• Capable of measuring Fluorescence quantum yield and fluorescence quantum efficiency• Provide high sensitivity, stability, speed and reliability.• High Signal/Noise, • Scanning speed - 60,000 nm/min or more, • Xe lamp life - 2,000-hr or more• Scan range - 900 nm or more. • Equipped with bioluminescence, chemiluminescence and electro-luminescence analysis. • Provide Fluorescence Excitation-Emission Matrix and Synchronous Scanning• Equipped with spectral-correction function• Supplied with accessories for analyzing liquids, gels, solids, films and powder samples., • Supplied with temperature-controlled cuvette holder, integrating sphere, solid sample holder, microsample holders and polarizers	01 No.
8.	<u>Layophilizer (10 Liter) :</u>	



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8.	<u>Lavophilizer (10 Liter) :</u> <ul style="list-style-type: none">• Temperature Room temperature to - 80 °C condenser options• Microprocess controlled• Made from stainless steel• LCD Display and touch control of all parameters• Acrylic drum for process view• Allow easy cleaning of the cold trap with cooling coils• Sample connection attachments in the drum• Inner stainless steel trays for sample loading in vials, Petri dishes, beakers, etc.• Supplied with mechanical sealing device under vacuum	01 No.
9.	<u>IR Beam Splitter :</u> Compatible for IR Affinity 1 FTIR Shimadzu	01 No.
10.	<u>Tablet Compression Machine :</u> <ul style="list-style-type: none">• Capacity - 12000 Tablet Per HourVoltage - 440VFrequency - 50HzMaterial - Stainless Steel with all accessories.	01 No.
11.	<u>Interactive Board 109" :</u> Panel Size : 109" inch. Display Type / Tech : TFT LCD Module with DLED backlight Backlight Life : 50,000 hours (Min) Surface Treatment : Hardness 7H, Antiglare coating. RAM & Storage : upto 1 TB Touch Type / Tech : IR Recognition.	04 Nos.
12.	<u>Smart Board 86" :</u> Color - Black, Power Consumption- 220 - 300 W, Usage/ Application - Education, Effective Touch Area - 70" x 41", Model Name/Number - IFP86S, Input Type - Finger Touch, Touch Points – 20, Features - Android 9, 4GB RAM, 32GB ROM, Aspect Ratio - 16:9, Brightness - 450 cd/m2, Touch Sensor – IR, Resolution - 4K, UHD, Internal Speaker - 20W.	02 Nos.
13.	<u>Air Conditioner - 1.5 T - 5 Star :</u> Capacity 1.5 Ton 5 Star Inverter Split AC (185V SZS) <ul style="list-style-type: none">• Capacity 1.5 Ton. ,• Star Rating 5 Star.• Type Split.• Condenser Coil Copper.• Power Requirement AC 230 V, 50 Hz.• Power Consumption 1355 W.• Dimensions 990 mm x 315 mm x 242 mm.	04 Nos.
14.	<u>Laminar Air Flow (Vertical) :</u> <ul style="list-style-type: none">• Type of configuration: Freestanding, bench top• Type of air flow direction: Vertical• Size of the working area(W×D×H) (feet's) 3×2×2• Type of air cleanliness: Class 100• Material used for the work bench: Stainless steel 304 grade• Material used for the front door : Acrylic transparent• Material used for the Side panels: Acrylic	01 No.



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	<ul style="list-style-type: none">• Laminar air flow Velocity (m/s) 0.4 to 0.45• Type of light LED• Number of LED lamps: 1• Noise level (± 5) in DB: 60• Availability of Pre-Filter(washable) for air filtration with 10 microns: Yes• Availability of HEPA filter(Microns): 0.3• Availability of air/gas cock: Mains switch• LCD display for velocity, time & lamp on/off Yes• UV Hour meter : Yes• UV Germicidal lamp: Yes• DOP HEPA filter testing: Yes	
15.	<u>Laboratory Refrigerator :</u> Control panel temp selection and settings <ul style="list-style-type: none">• Microprocessor based temperature controller• Type of Door 2/4 doors• Material for Construction of body - Galvanized steel• Epoxy coated finish with proper insulation• Have Rotary air circulation to maintain temperature• Frost free and CFC free• Equipped with internal light• Proper Door locking system for security• High Energy star rating• Adjustable number and position of shelves• Should be hermetically sealed• Supplied with Voltage stabilizer• Inner chamber of stainless steel• Low noise and vibration proof Compressor	02 Nos.
16.	<u>Microscope Digital :</u> <ul style="list-style-type: none">• Magnification -1000X• Useful for all digital laboratory imaging• Co-axial focusing system. pre-focusing lever & tension adjustment• Reverse angle quadruple nosepiece.• Supplied with Dust cover, blue filter, polarizer, Touch screen, high resolution color LCD.• Built-in camera with 16 Megapixel resolution.• Pre loaded capture and measurement software. LCD screen Rotatable.	02 Nos.



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17.	<p><u>Language Lab Software 25 user, 2 teacher console :</u></p> <ol style="list-style-type: none">16. The software should be capable of being installed on desktops, laptops, and in any windows based operating systems.17. Language lab should be developed as per CEFR refereed standards i.e. syllabus should be divided as per A1, A2, B1, B2, C1, C2 standards18. The content should focus on building all four language skills namely, LSRW.19. The content should have activities, exercises, and should be loaded with audio-video samples.20. The main purpose of the Language lab is for self-practice for students, hence user interface should be easy to navigate and does not require any Teacher or facilitator to guide or monitor the student in the learning process21. There should not be any limitations. Students should be able to go through the module unlimited time till he/she gets proficient in the topic22. After completion of every Course, an assessment/Quiz should be available for the student to check their knowledge levels23. Students should be able to record and download the voice unlimitedly24. Software should not require high configuration machines. Even normal PCs and Laptops should be able to handle the software without any issue.25. Graphic rich content to be used to explain concepts to students.26. Indian neutral /accent-free voice should be used in the Language lab27. All levels and backgrounds of students i.e. rural students should also use easily and effectively28. Should Provide equal weightage on LSRW29. Basics of grammar must be covered in brief30. Special activities to overcome Mother Tongue Influence (MTI). A focus on 'Mother Tongue Influence (MTI) to overcome pronunciation differences of consonant sounds using mouth movements.	01 No.
18.	<p><u>Refractometer (Abbe) Digital :</u></p> <ul style="list-style-type: none">• Enable measurement of refractive index of transparent, translucent liquids and solid substance.• Capable of Automatic temperature correction of brix.• Provided RS-232 Interface.• Illuminated Backlite LCD display• Equipped with hard glass prism• Measuring Range: Refractive Index nD : 1.3000 to 1.7000 or better• Measuring Range Brix: 0 to 95% or better• Measuring Range Brix-TC : 0 to 95% or better• Accuracy: Refractive Index nD : +/-0.0002 or better• Accuracy Brix : +/-0.1% or better• Temperature display - 0 to 50 or better• Range of temperature for correction of Brix value : 15 to 45 or better• Power Supply: 220 V +/-10%, 50Hz	01 No.



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19.	<u>Autoclave :</u> <ul style="list-style-type: none">• Type Vertical, Top loading cylindrical Autoclave machine for steam and pressure sterilization• Sterilizer chamber capacity in L (usable volume) 40 - 60 liter• Working Pressure of Chamber : 16 pound per square inch• Sterilizer Chamber door Operation: Manual• Door sealing: By elastomeric rubber gasket suitable to withstand temperature upto 140 degree C & pressure upto 20-30 psi• Type of control system available for Steriliser cycle operation: Microprocessor based temperature controller with control accuracy $\pm 1.0^{\circ}\text{C}$• Audio- visual Alarm facility available for notifying: Temperature sensor with range 100°C to 300°C, unit should be provided with a low water alarm system as well as steam release valves and safety valves• Working Temperature :121 - 123 degree Celsius	01 No.																						
20.	<u>Xerox Machine cum Printer :</u> <table><tr><td>Functions</td><td>Print Scan Copy</td></tr><tr><td>Technology</td><td>Laser</td></tr><tr><td>Family Brand</td><td>imageRUNNER</td></tr><tr><td>Color output</td><td>Color B&W</td></tr><tr><td>Connectivity</td><td>USB</td></tr><tr><td>Usage</td><td>For Office</td></tr><tr><td>Paper size</td><td>A4</td></tr><tr><td>Print speed</td><td>upto 30 pages/min</td></tr><tr><td>Print Volume(per month)</td><td>upto 10000 ppm</td></tr><tr><td>Features</td><td>Duplex printing</td></tr><tr><td>Warranty</td><td>1 year warranty from the date of purchase</td></tr></table>	Functions	Print Scan Copy	Technology	Laser	Family Brand	imageRUNNER	Color output	Color B&W	Connectivity	USB	Usage	For Office	Paper size	A4	Print speed	upto 30 pages/min	Print Volume(per month)	upto 10000 ppm	Features	Duplex printing	Warranty	1 year warranty from the date of purchase	01 No.
Functions	Print Scan Copy																							
Technology	Laser																							
Family Brand	imageRUNNER																							
Color output	Color B&W																							
Connectivity	USB																							
Usage	For Office																							
Paper size	A4																							
Print speed	upto 30 pages/min																							
Print Volume(per month)	upto 10000 ppm																							
Features	Duplex printing																							
Warranty	1 year warranty from the date of purchase																							
21.	<u>UPS 5 kVA :</u> <ul style="list-style-type: none">1.0 Type Single phase, IGBT based, Online UPS2.0 Input 240V$\pm 10\%$ V AC, 50$\pm 5\%$ Hz, Single phase-three wire (Phase + Neutral + Ground)3.1 Output 5.0KVA230V$\pm 10\%$ V AC, 50$\pm 5\%$ Hz, Single phase-three wire (Phase + Neutral + Ground)3.2 Output Waveform Sinusoidal3.3 Voltage Regulation $\leq \pm 2\%$3.4 Inverter Efficiency $\geq 80\%$3.5 Overload Capability 110% for ≥ 10 Minutes3.6 Total Harmonic distortion (THDI) $< 5\%$ at Full load3.6 Transient response Less than $\pm 10\%$ voltage variation at sudden application/removal of full load and it shall recover within 500msec.4.0 Environment Approx.:0-50$^{\circ}\text{C}$ & 95% RH5.0 Charger Charging mode shall be providedBattery Charging Voltage & Current shall be adjustableLine & load Regulation: $\leq \pm 2\%$	01 No.																						



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	Output Ripple : $\leq 3\%$ 6.0 Battery shall be of Sealed Maintenance (SMF) or VRLA type Battery Backup shall not be less than 4Hrs.at full load 7.0 Functional Test – Certificates : <input type="checkbox"/> Insulation Resistance & HV test <input type="checkbox"/> Load Regulation & Transient response test <input type="checkbox"/> Efficiency <input type="checkbox"/> Ripples <input type="checkbox"/> Battery capacity test <input type="checkbox"/> UPS Functional Test <input type="checkbox"/> Spare PCBs/Cards Test Reports 8.0 User Manual One set of User Manual (It shall include Specification, Operating Procedure, BOM, Alarm-annunciations, PCB Functions details, PCB Circuit diagrams & Trouble shooting) shall be provided with each UPS.																																							
	List 2 :																																							
22.	Digital Photo colorimeter : <table><tr><td>Wave Length Range</td><td>400 to 700nm</td></tr><tr><td>Resolution</td><td>1% T, 0.01 Abs., 1 Conc., 1 K Factor</td></tr><tr><td>% Transmission</td><td>0 - 100% T</td></tr><tr><td>Absorbance</td><td>0 - 1.99 A</td></tr><tr><td>Concentration</td><td>0- 19999</td></tr><tr><td>K Factor</td><td>1 - 19999</td></tr><tr><td>Photo Detector</td><td>Silicon Photodiode/Photo Cell</td></tr><tr><td>Display</td><td>16x2 line alphanumeric LCD display with backlit for %T, Abs., Conc., K Factor</td></tr><tr><td>Keyboard</td><td>8 Keys, soft touch membrane type</td></tr><tr><td>Data Storage</td><td>Upto 100 samples</td></tr><tr><td>Light Source</td><td>6.8V, 0.3Amp. Tungsten Lamp</td></tr><tr><td>Sample System</td><td>10 mm path length matched glass test tubes</td></tr><tr><td>Filters</td><td>420, 440, 490, 520, 540, 570, 600, 700nm</td></tr><tr><td>Printer Interface</td><td>Parallel Printer interface for any dot matrix printer</td></tr><tr><td>RS232C Interface</td><td>Available (on request)</td></tr><tr><td>Dimensions</td><td>240 x 254 x 90 mm (L x B x H)</td></tr><tr><td>Weight</td><td>2.5 Kg. (Approx.)</td></tr><tr><td>Power Supply</td><td>230V AC+10% 50Hz. with in-built stabilizer</td></tr><tr><td>Accessories</td><td>Matched Test Tube Set of 5, Operation Manual, Dust Cover, Spare Lamp</td></tr></table>	Wave Length Range	400 to 700nm	Resolution	1% T, 0.01 Abs., 1 Conc., 1 K Factor	% Transmission	0 - 100% T	Absorbance	0 - 1.99 A	Concentration	0- 19999	K Factor	1 - 19999	Photo Detector	Silicon Photodiode/Photo Cell	Display	16x2 line alphanumeric LCD display with backlit for %T, Abs., Conc., K Factor	Keyboard	8 Keys, soft touch membrane type	Data Storage	Upto 100 samples	Light Source	6.8V, 0.3Amp. Tungsten Lamp	Sample System	10 mm path length matched glass test tubes	Filters	420, 440, 490, 520, 540, 570, 600, 700nm	Printer Interface	Parallel Printer interface for any dot matrix printer	RS232C Interface	Available (on request)	Dimensions	240 x 254 x 90 mm (L x B x H)	Weight	2.5 Kg. (Approx.)	Power Supply	230V AC+10% 50Hz. with in-built stabilizer	Accessories	Matched Test Tube Set of 5, Operation Manual, Dust Cover, Spare Lamp	01 No.
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23.	Water Filter with RO : <table><tr><td>Special Feature</td><td>Removes Impurities, Enhances PH, Boosts Immunity, TDS Adjustment</td></tr><tr><td>Product Dimensions</td><td>40L x 25W x 52.5H Centimeters</td></tr><tr><td>Package Information</td><td>Dispenser</td></tr><tr><td>Power Source</td><td>Corded Electric</td></tr></table> <ul style="list-style-type: none">• Multiple purification by RO+UV+UF+Alkaline+ TDS Control which	Special Feature	Removes Impurities, Enhances PH, Boosts Immunity, TDS Adjustment	Product Dimensions	40L x 25W x 52.5H Centimeters	Package Information	Dispenser	Power Source	Corded Electric	02 Nos.																														
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	<p>removes even dissolved impurities such as arsenic, rust, pesticides & fluorides, and kills bacteria and viruses to make water 100% pure and suitable for drinking</p> <ul style="list-style-type: none">• The Alkaline feature in this purifier enhances the pH of the purified water up to 9.5, and thus, provides alkaline and healthy drinking water• Alkaline water helps in reducing acidity, regulates body's pH levels, boosts your immunity, and fortifies your health• TDS control system allows adjustment of tds level of purified water which retains essential natural minerals in drinking water• UV LED Light in the storage tank keeps purified water bacteria free and pure					
24.	<p>pH Meter : Measuring Range Resolution Accuracy pH Range 0 to 14 pH (Min.) 0.001 pH ± 0.002 pH mV -1000.0 - 1000.0 (Min.) 0.1 pH ± 0.2 Rel. mV -1000.0 - 1000.0 (Min.) 0.1 pH ± 0.2 Temperature MTC -10.0 - 100.0 °C (Min.) 0.1 °C ± 0.1 °C Temperature ATC -5.0 - 100.0 °C (Min.) 0.1 °C ± 0.1 °C Temperature Compensation : It should have both Automatic and Manual temperature compensation Display : It should have Thin Film Transistor (TFT) display of more than 4, inch color (Blue/Red/Green/Yellow) display for better vision of readings with clear and well arranged icons of parameters like pH, Temperature, mV, date & Time etc. Ingress protection level : It should be IP54 complied protection level. Power requirements : It should be operable with 9 -12V/10W DC adapter. Storage of instrument : It should be able to stored in temperature of 5 to 40 °C and Relative humidity of 5 to 80% (non-condensing) GLP compliance : It should be GLP complied . It should have Membrane keypad , preferably Polyethylene terephthalate (PET)) To improve the reproducibility, it should allow to choose from at least three endpoint criteria according to our requirements. The Electrode holder should move in a perfectly vertical way, making it easy to place the sensor in the perfect position i.e. vertically in the measurement beaker. It should be able to connect peripherals via USB and RS232, increasing its possibilities significantly. Export of measurement data and calibration data should be possible to USB stick or to direct PC software whenever required by us. It should allow monitoring of limits of parameter pH by giving a warning message when the value falls below or exceeds the predefined limits.</p>	01 No.				
25.	<p>Multifunction Printer MFP :</p> <ul style="list-style-type: none">• A4 Black and White Laser Printer, Perfect for Home• Print, copy, scan• Print speed up to 21 ppm (black)• USB; Wireless direct printing	04 Nos.				
26.	<p>Hot Air Oven :</p> <table><tr><td>Temperature Range</td><td>5°C above ambient to 250°C maximum</td></tr><tr><td>Temperature Accuracy</td><td>+ / - 2°C</td></tr></table>	Temperature Range	5°C above ambient to 250°C maximum	Temperature Accuracy	+ / - 2°C	04 Nos.
Temperature Range	5°C above ambient to 250°C maximum					
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	<table><tr><td>Temperature Uniformity</td><td>+ / - 1°C</td></tr><tr><td>Controls</td><td>PID Controller</td></tr><tr><td>Temp Display</td><td>LED Display</td></tr><tr><td>Sensor</td><td>PT-100</td></tr><tr><td>Heating Element</td><td>Nichrome wire / Kanthal A1</td></tr><tr><td>Safety device</td><td>Over temperature protection Electric leakage breaker Temperature safety as per DIN 12880 Class 3.1</td></tr><tr><td>Exterior Chamber</td><td>MS powder coated</td></tr><tr><td>Interior Chamber</td><td>304 stainless steel</td></tr><tr><td>Insulation</td><td>Mineral Wool</td></tr><tr><td>Doors</td><td>Solid doors w/ silicone rubber gasket & lock</td></tr><tr><td>Shelves</td><td>2 – 3 Stainless steel shelves (Removable)</td></tr><tr><td>Air Circulation</td><td>Forced air circulation</td></tr><tr><td>Power Supply</td><td>220 Volts</td></tr></table>	Temperature Uniformity	+ / - 1°C	Controls	PID Controller	Temp Display	LED Display	Sensor	PT-100	Heating Element	Nichrome wire / Kanthal A1	Safety device	Over temperature protection Electric leakage breaker Temperature safety as per DIN 12880 Class 3.1	Exterior Chamber	MS powder coated	Interior Chamber	304 stainless steel	Insulation	Mineral Wool	Doors	Solid doors w/ silicone rubber gasket & lock	Shelves	2 – 3 Stainless steel shelves (Removable)	Air Circulation	Forced air circulation	Power Supply	220 Volts	
Temperature Uniformity	+ / - 1°C																											
Controls	PID Controller																											
Temp Display	LED Display																											
Sensor	PT-100																											
Heating Element	Nichrome wire / Kanthal A1																											
Safety device	Over temperature protection Electric leakage breaker Temperature safety as per DIN 12880 Class 3.1																											
Exterior Chamber	MS powder coated																											
Interior Chamber	304 stainless steel																											
Insulation	Mineral Wool																											
Doors	Solid doors w/ silicone rubber gasket & lock																											
Shelves	2 – 3 Stainless steel shelves (Removable)																											
Air Circulation	Forced air circulation																											
Power Supply	220 Volts																											
27.	<p>Hot Plate magnetic stirrer : Maximum stirring speed-1200 rpm with stepless speed control and good speed stability, Heating Capacity - 600W Hotplate Size -175mm dia., Supply – 220/240V,50Hz, A.C Hotplate-Should be chemically resistant to acid and alkali Top Plate Material – Stainless steel, Stirring Unit – Should be enclosed so that corrosive fumes do not enter it. , Controls for both hotplate and stirrer should be provided with suitable indicators. Necessary electrical cables should be provided., Warranty – 1 year</p>	10 Nos																										
28.	<p>Analytical Balance (0.1 mg) : Resolution(g) 0.0001g Cal.weight Internal Calibration Min weighing(g) 0.0004g Stable Time ≤3s Display LCD (white back light with black font) Pan size Φ80mm(standard) Φ90mm (optional) Operation temp 5-35°C Repeat ability ±0.0002g Liner ±0.0003g Dimension 300X200X285mm Draft shield size 180x175x200mm LCD Size 96x24mm</p>	02 Nos.																										



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	Option RS232C (standard RS485/ USB/Printer) Packing size 425x320x415mm Gross weight 8.0kg	
29.	<u>Fire Extinguisher (CO2 powder type) :</u> Co2 fire extinguisher capacity 4.5 kg Capacity 4.5 Kg Operating Temperature -30 Degree C to +60 Degree C Fire Rating 8 B Brand Fire Squad Certifications ISO, ISI Discharge Time 8-16sec Discharge Range 2 meter Fire Type B, C Discharge Rate 95% Minimum Order Quantity 10	08 Nos.
30.	<u>Fire Extinguisher (water type):</u> Capacity 9 litre Discharge Time 10-15 sec Discharge Range 2 meter Operating Temperature -5 Degree C to + 55 Degree C Fire Rating 4 A Fire Type A Approvals ISO, ISI Expelling Agent Nitrogen gas Discharge Rate 95% Test pressure 35 bar	08 Nos.
List 3 :		
31.	<u>Inverter Battery 12V, 150 AH :</u> Battery Voltage : 12 V Battery Type : Tall Tubular Warranty : 54 Months Battery Capacity : 150 AH	04 Nos.
32.	<u>Photo Copier Machine (Color) :</u> Print Technology Laser Supported OS Windows 7 Supported Paper Size A4 Warranty Upto 1 Year Phase 2 Phase	01 No.
33.	<u>CCTV Surveillance System :</u> 32 CH HD DVR (2 HDD) : Support 32ch 1080N encoding; 1HDMI/VGA simultaneous video output ;	01 No.



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	<p>HDD Support 2 SATA(Up to 8 TB); 11*10/100/1000 Mbps auto-sensing Ethernet port, RJ45 port; 1 Support the onvif protocol; 1 Cloud services, P2P, alarm information push to phone; 1 Support DHCP, FTP, DNS, DDNS, NTP, UPNP, EMAIL, 3G, WIFI, IP search, Alarm center, etc; 1 Mobile phone remote monitoring (iOS, Android); 1Multi browser access (IE, Chrome, Firefox, Safari); 1Support for more than twenty languages; 1 Perfect protection circuit , unique triple watchdog function 1 Support WEB, CMS, VMS, MYEYE Platform.</p> <p>IR DOME HD MEGA PIXEL CAMERA : 16 Nos.</p> <ul style="list-style-type: none">•1MP / 720 P / With IR – CUT• TRANSMITTING DATA OVER 500 M• IR RANGE : 20 MTR <p>IR BIG BULLET HD MEGA PIXEL CAMERA : 16 Nos.</p> <ul style="list-style-type: none">• 1.3 MP / 960 H / With IR – CUT• TRANSMITTING DATA OVER 500 M• IR RANGE : 40-50 MTR <p>CAMERA POWER SUPPLY</p> <p>Casing Capping Wiring Fitting with all Cameras, Wire & Cabling with installation of DVR and all complete fitting.</p> <p>*(Please quote the rate in running feet)</p> <p>System with warranty and AMC for next 3 years</p>																			
34.	<p><u>LCD/DLP Projector :</u></p> <p>1610HD DLP Business and Education Projector (1280 x 800) Specification.</p> <table><tr><td>Type</td><td>Projectors</td></tr><tr><td>Model Name</td><td>1610HD</td></tr><tr><td>Device Chipset</td><td>DLP</td></tr><tr><td>Desplay Mode</td><td>WXGA, 480i, 480p, 576i, 576p, 720p, 1080i, 1080p</td></tr><tr><td>Resolution</td><td>1280 x 800</td></tr><tr><td>Lamp</td><td>Philips 225 W user-replaceable</td></tr><tr><td>Lamp Life</td><td>Up to 3000 hours Normal, Up to 4000 hours Eco-Mode</td></tr><tr><td>Projection Distance</td><td>Projection Distance: 1.2 m to 10 m; Projection Lens: F-Stop: F/2.4 to 2.66</td></tr><tr><td>Power Supply</td><td>Universal AC 100 - 240 V, 50 - 60 Hz with PFC input</td></tr></table>	Type	Projectors	Model Name	1610HD	Device Chipset	DLP	Desplay Mode	WXGA, 480i, 480p, 576i, 576p, 720p, 1080i, 1080p	Resolution	1280 x 800	Lamp	Philips 225 W user-replaceable	Lamp Life	Up to 3000 hours Normal, Up to 4000 hours Eco-Mode	Projection Distance	Projection Distance: 1.2 m to 10 m; Projection Lens: F-Stop: F/2.4 to 2.66	Power Supply	Universal AC 100 - 240 V, 50 - 60 Hz with PFC input	02 Nos.
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35.	<p><u>UPS offline for PC :</u></p> <p>Line Interactive UPS Legend 650 UPS -</p> <ul style="list-style-type: none">• Type: Line-interactive• Output Power Wattage: 360 W• Input Voltage: 140 V Output Voltage: 230 V• Input Frequency: 50 Hz ± 10% Output Frequency: 50 Hz ± 1 Hz, W x H x D: 10 cm x 14.3 cm x 28.1 cm	50 Nos.																		
36.	<p><u>HPLC Analytical Columns (C8) :</u></p>																			



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	<p>Type Reversed Phase</p> <p>Phase C8</p> <p>Particle sizes 3,5,10u</p> <p>Carbon loading 12%</p> <p>End capped Yes</p> <p>pH range 1-10</p>	01 No.
37.	<p>HPLC Analytical Columns (C18) :</p> <p>Matrix Silica Particle Platform</p> <p>Matrix Active Group C18 Phase</p> <p>Particle Size 5UM</p> <p>Surface Area 100 m2/g</p> <p>Operating pH 2.0 - 7.5</p> <p>Temperature 10-50 Degree C</p> <p>Pressure 300 Bar Max.</p> <p>Flow Rate 4.0 mL/min</p>	01 No.
38.	<p>Bacteriological incubator :</p> <p>Capacity (Litre) 100 Lit</p> <p>Number of Trays 2</p> <p>Power (Watt) 400 Watts</p> <p>Voltage (Volt) 230 V</p> <p>Chamber Temperature 80 Degree C</p> <p>Accuracy +- 0.1 Degree C</p> <p>Size 450 x 450 x 450 mm</p>	01 No.
New List 1 :		
39.	<p>Microwave synthesizer/Extraction Unit :</p> <ul style="list-style-type: none"> •Technique- Microwave Catalyst Reaction •Power-less than 900W, Frequency- 2450 MHz, Capacity- 30 Liter •Power adjustable, •High Sensitive LCD liquid crystal Touch Screen to control parameters, •programmable controlling, experimental data storage. •memory camera which for recording and capturing picture of reaction., •Temperature control range- 20 – 500°C •Supplied with computer connection with software. •Supplied with Glass and Teflon vessels Stainless steel inner and Outer, •Equipped with over-heating protection system. 	01 No.
40.	<p>Autoclave (Horizontal) :</p> <ul style="list-style-type: none"> • Safety Valve: For excess pressure inside jacket and steam generator , • External chamber: Corrosion Resistant 304 Grade Stainless Steel, Painted , • Construction Material: SS 304, • Tray Perforated tray made of SS 304 , • Radial locking system: Stainless Steel 304 , • Heaters: ISI mark immersion heaters • Wall Type: Triple Walled • Door: Double Doors w/ automatic pressure locking • Working temperature: 121 degree Celsius 	01 No.



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	<ul style="list-style-type: none">• Sterilizing Temperature: 121 degree Celsius• Working pressure(PSI): 21 , • Pressure: Automatic pressure control switch, Analog dial type pressure gauge, Manual pressure release valves for chamber & jacket	
41.	Laboratory Water Purification System : litre per hour or more •Standards -End toxin Level - less than 0.001 EU/ml, Bacteria – less than 0.1CFU/ml, TDS- less than 500 ppm, Total organic carbon – low and within Pharma copoeial limit and standards •Supplied with storage unit, 60 liter reservoir to reset daily usage, water dispenser and high grade tank, automatic flush device to ensure periodic cleaning, online resistivity meter •Capable of producing Type I ultrapure water and Type II pure water of Pharma copoeial standards simultaneously. •Equipped with dry run protection when the inlet water is unavailable.	01 No.
42.	Laptop : • Intel Core i5-1235U (12th Gen), 3.3 Ghz Processor • 16 GB RAM 512 GB SSD Storage • 15.6" (39.62 cm) Display • Intel Iris Xe GPU • 65W, Upto 6 Hrs Battery Life	08 Nos.
New List 2 :		
43.	Revolving Chair for Conference room : Seat Material Polyester Color Black Warranty 1 Year Seating Height 18 -19 Inches Height Adjustable Yes Back Type Mid Back Arm Type Adjustable Arms	20 Nos.
44.	Office Chairs (non revolving) (Office and Library) : Arm Type Fixed Arms Brand Om Furniture Rotatable No Seat Material (Upholstery) Leather	20 Nos.
45.	Laboratory Stools (wooden) : Material Wood Features Termite Proof Surface Treatment Paint Coated Load Capacity 70 kg	40 Nos.



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TERMS AND CONDITIONS FOR QUOTATIONS

The quotation should be submitted as per **TWO ENVELOPE SYSTEM ONLY**. Both the Bids (Technical as well as Commercial) shall have to be submitted. Bids not submitted will not be entertained.

i) Envelope No.1: Technical Bid

Technical Envelope shall contain following documents:-

- Technical literature/ Leaflet/ Samples/ Information/ of the make and model no etc quoted.
- GST / CST registration certificate.
- Authorization certificate from manufacturer.
- No deviation certificate.
- List of users with complete address, name of contact persons, contact numbers and email address.

ii) Envelope No.2: (Commercial Bid)

- The rate should be quoted only for the items specified in the Technical Bid (Envelope No.1) and should be for items of given specification / Make /Model/ Manufacture.
- Bidder should not quote his offer any where directly or indirectly in Technical Envelope (T1), failing which the Commercial Envelope (C1) shall not be opened and his tender shall stand rejected.
- Inspection charges if any are to be borne by the supplier.

Validity: The rates offered should be valid up to 31st March of year from the date of opening of Quotations.

Delivery: Rates quoted will be considered FOR destination, Installation & training at College Premises unless otherwise stated.

Payment: Payment will be made as and when the grant is available after receiving the goods in satisfactory conditions and satisfactory demonstration/Installation etc. at the consignee's destination at cost of supplier.

Taxes: Rates quoted will be considered **inclusive of all taxes**, if not stated separately in the quotation. (Statement like taxes extra or as applicable will not be considered).

General Note:-

- The supply shall be executed according to instruction by Institute.
- The **technical support shall be provided by the vendor/ supplier without any additional charge during guarantees/ warranty period.**
- In lieu of any defect in material, the agency shall replace the material.
- For any quoted brand if Authority letter from the company in original stating that he is authorized to participate in the quotation and minimum three quotations are not available it will be rejected.
- Do not quote for the brand for which authority letter is not available.



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- Manufacturer / supplier should submit the signed and stamped rate catalogue/ booklet whenever demanded by us so as to enable us to know which make is quoted along with model no / sr. no. of the item / code no etc.
- Rate quoted as per authorized pricelist will be considered. Any change / deviation in the rate of any item should be informed in advance and will be only applicable if approved by purchase committee.
- The supplier has to submit copy of authorization letter from the company.
- Proof of permission to manufacture the equipment/ item mentioned in the tender document from competent authorities.
- Proof of permission for sales/trading of the equipment/ item or of similar kind mentioned in the quotation document from competent authorities.
- The Institute reserves the right to reject any or all quotations without assigning reason therefore.
- Warranty and AMC if applicable.
- **The dispatch number of this office should necessarily be superscripted on the Envelope.**
- Supplier must furnish following Registration Description on separate sheet with technical bid.
- Supplier also give the details of CMP registration no. for on line payment.

Description of Registration to be filled up by Agency

(PAN card, GST, Professional Tax, Service Tax)

Sr. No.	Description of Registration	Registration No.	Validity Period	Copy attached	
				Yes	No
1.	<u>PAN card</u>				
2.	<u>GST</u>				
3.	<u>Professional Tax</u>				
4.	<u>Service Tax</u>				

**Signature & Name of the authorized person
of quoting agency with the seal of the firm**

Date:

Principal
Govt. College of Pharmacy,
Amravati.