



GOVERNEMENT COLLEGE OF PHARMACY

Kathora Naka, AMRAVATI 444 604

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

Fax. No. (0721) 2531242 2531827
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GCOPA/Store/FIRST EXT./2016-17/68

Date: 20/01/2017

Subject: Quotation for supply of Lab Equipment for the year 2016-2017.

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 30 Jan 2017. Date of Opening 31 Jan 2017.

Sr. No.	Name of Equipment	Detail Specifications	Qty. Required
1	Autoclave (Verticle)	Fully automatic, inside and outside chamber carries flange, fly screw, cross pin heater with SS stand, micro controller with time and temperature programmable, sensor, adjustable pressure 10-20 psi. 80 liter or more (lab scale) capacity.	02No.
2	Colorimeter	Range 400-710nm, LCD display, printer attachment facility, Standard 10mm square cuvettes, resolution 1%T, 0.01Abs, 0.1 to 1 Concentration, % transmittance 0-100%, Abs-0-1.99 A, Conc-0-19999, K factor-0-19999, sample system-10mm path length with glass tube. Eight Filters with scanning wavelength 400-700.	01 No.
3	Hot air Oven	Standard double wall construction, inner chamber with SS & exterior with mild steel, temp. range 50-250 °C and thermostatically controlled, 2-3 shelves, air circulating fan, digital temp. regulator, size 24"x24"x36".	02 No.
4	Incubator	Incubator with compressor with three shelves, with electronic digital temperature indicator cum controller with accuracy of + /- 0.5 °C. Incubator (24"x24"x24") Bacteriological Lab Type.	01 No.
5	Mechanical stirrer	Stainless steel rod with propeller blade, fitted with motor with speed upto 4000 rpm with speed regulator, provision for height adjustment, Lab size.	12 Nos.
6	Sieve Set	Sieve 200 mm Dia. Brass From mesh 8, 10, 12, 16, 22, 24, 30, 44, 60, 66, 80, 100, 120 [13 sieve].	2 Nos.
7	Sieve Shaker	Sieving motion: throwing motion with angular momentum, Amplitude: analog, 0 - 3 mm, Time display: analog, 1 - 60 min.	03 Nos.
8	Water Bath (rectangular)	Rectangular 12 Holes, size 30x40x10 cm, double wall, inner wall by SS and outer by mild steel, temp. range 40 -100 °C, complete with concentric ring, plug cord.	07 Nos.
9	Digital Electronic Balance	Readability: 0.01 g, Capacity: 3200 g, Repeatability: 0.01 g, Pan size up to 170mm X 190 mm, Power connection 220/230 Volt AC, Calibration: Internal.	01 No.



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10	LCD Projector	Multimedia Projector, 210 Watt or more, LED lamp Up to 1024 pixel X 768 pixel Resolution Brightness 30000 or more Lumens Image Aspect ratio: 4:3 Standard and 4:3 Compatible O. S. Version: Android 4.2.2. HDMI, Audio in & out, WiFi, Noise level 36 db, battery backup 1hrs, 3 yrs warrenty.	03 Nos.
11	Rota Rod apparatus	With at least 4 stations (for study of four animals at a time) For both rats and mice (with rods for rats and mice) Full automatic control, Digital Display. Programmable speed of rotation of rod.	01 No.
12	Software Packages for Pharmacology Experiments	Software package for Kymograph experiments (Including Dose response curve, Effect of antagonist, Determination of antagonist potency, bioassays etc.). Operable on set of 25 computers at a time. With exam mode.	01 No.
13	Spiro meter	With Digital Display To measure lung function tests (Volumes).	01 No.
14	Capsules Filling (Hand Operated)	A compact hand operated machine suitable to fill two-part hard gelatine capsules no. 0, 1 & 2 by interchange able plates. Main body made of heavy cast iron and all contact parts made of brass richly plated or stainless steel. Handle locking arrangement makes the operator to lift the loading plate without fear of damaging the capsules. Pressing is achieved by cam system which also saves time to press the plunger as compared to screw system. Plate of stainless steel for any one no. Is supplied with machine. For filling 100 to 200 capsules.	01 No.
15	Disintegration test apparatus	Programmable Temperature & Time, Moulded, Clear acrylic water bath with illumination for better visibility, Baskets are automatically lifted at the end of the test, low water level alarm with indication on display for safety.	01 No.
16	Inclined Manometer	Inclined glass tube, uses- for fluid or gas flow measurement.	10 Nos.
17	Laminar air flow system	Simple switches control the blower, lights, outlets while a mini-helic gauge measures plenum performance, Unidirectional airflow moving along parallel flow lines at a constant velocity of 90 fpm ($\pm 10\%$) minimizes air turbulence within the work zone lessening the chance for cross contamination, Class 100 Air Quality, Textured Powder Coat Urethane Finish, Germicidal UV Light.	01 No.



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18	Lipsticks moulds	Made up by brass or other metal,available in 4 & 6 hole (2gm,5gmCapacity)	20 Nos.
19	Moisture Balance (Analyzer)	Range-0-100%,accuracy $\pm 0.2\%$,weight 20 kg,IR radiation and temp.control regulator	01 No.
20	Ointment filling/sealing machine	Sealing machine suitable for folding the aluminium tubes by hand, Suitable for aluminium / plastic / lami tubes of 5 gms. to 150 gms.manually.	01 No.
21	Orifice Meter	Variable head meter, consist thin plate with sharp aperture (orifice), orifice diameter 1/5 th of pipe diameter, orifice plate placed between long straight glass pipe, mercury manometer with glass tube attached to pipe.	10 Nos.
22	Psychrometer	Wodden frame attached with mercury thermometers which can read temperature in increments of 0.1°C. hollow shoe lace that has been soaked in water	02 Nos.
23	Rota Meter	Vertically oriented glass tube, metering float, turn down ratio 12:1, Accuracy $\pm 2\%$ FSD, ranges 2.5 to 40000 LPH of water.	08 Nos.
24	Spheronizer	Main Drive for Spheronizer, Spheronizer Chekkar Plate 1mm Pitch SS316 S. S. 304 body On/off switch, Compressor, Spheronisation by rotating disk at horizontal plane.	01 No.
25	Chekkar Plates	Spheronizer Chekkar Plate 2mm Pitch SS316 S.	01 No.
26	Air Compressor	20 lit tank capacity, auto On/off, Oil free air filter and controller	01 No.
27	U-Tube Manometer	Range 200-0-200mm, calibrated scale- mm/cms, Glass tube- borosil 4mm, and accuracy- ± 0.5 to 1% FSD, uses- for fluid and gas flow measurements.	10 Nos.
28	Venturi Meter	Provision with two cones,inlet cone- vortex angle 300,outlet cone- vortex angele 70,discharge coefficient (CD)- 0.975, accuracy- 1%FSD,pressure loss- low, range ability 4 to 1, uses- for liquid like water and gas flow measurement.	10 Nos.
29	Water Bath with shaker	Microprocessor shaking control is digitally set from 15 to 250 oscillations per minute, Digital temperature control from above ambient to 65°C (98°C with optional gable cover),	02 Nos.
30	Gas Chromatography (Servicing)	As this is proprietary item: Servicing and Demostration need from the concern supplier. Note: Visit instrument before submitting quotation.	01 No.



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31	Digital Electronic Balance	Digital Electronic Balance Readability 0.01g or better Capacity 3200g Repeatability 0.01g Pan size 170 x 190 mm or better Power Connection 220/230 voltAc Calibration: Internal Linearity 0.02g or better Weighing : MonoBloc	01 No.
32	Digital Melting Point Apparatus	Digital Melting Point Apparatus Control Microcontroller- based Detection Automatic - Photo sensing Temperature Range Ambient +5°C to 250°C or more Heating Rates 0.2°C/min, 0.5°C/min, 1.0°C/min 2.0°C/min, 3.0°C/min, Scan rate 5 & Scan rate 10 Temperature Readability 0.1°C Max. Cooling Time from 300°C to ambient (25°C) 20 minutes Accuracy of Temperature Ambient + 7°C to 200°C - ±0.5°C 200°C to 300°C - ±0.8°C Sampling Glass Capillary Tube (One end sealed) a) O. D. 1.4 to 1.6mm b) I. D. Approx. 1.0mm c) LENGTH 70 to 80mm d) FILLING HEIGHT 4 to 5mm Temperature Sensor PT 100 (RTD) Data Storage Non volatile memory Program Storage 20 User programs parameters with ADD / EDIT facility Printer Output, Key Board, Display 20 x 2 line back lighted Liquid Crystal Display (LCD) Environmental Operating Conditions a) Operation Indoor b) Temperature Ambient to 45°C c) Relative Humidity 5 to 90% non condensing Power 230 VAC, ±10% / 50 Hz. 100W Dimensions 31 x 42 x 20cms. (W x D x H) Complete accessories with Installation and demonstration.	01 No.
33	Laboratory Oven	Heat Circulation: Horizontal Fan Assisted Capacity: Up to 4 perspiro METER Units or better No. of Shelf's: 2 Stainless Steel Shelves (Detachable) Maximum Temperature: Ambient to 250 °C or better Accuracy: + 2 °C or better Heater Capacity: 750 watt x 2 Heaters = 1500 Watt Electric Supply: 220 + 10% Volt. 50 Hz Single Phases. AC. Rate of Heating Thermostat (19) 20 %: 1° C Per 1 ½ Minute Thermostat at (19) 50 %: 2° C Per Minute Thermostat at (19) 100 %: 3° C Per Minute Overall Dimensions of the UNIT: 550 (L) x 700 (W) x 820 (H) mm. 21.5" (L) x 27.5" (W) x 32.5" (H) Inch. Complete accessories with Installation and demonstration. (Operating Manual)	01 No.



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34	UPS System	UPS system for computer Capacity: 600VA/360W, Micro processor controlled, Input voltage 230 VAC, Range: 140-300 VAC, Input Frequency: 45-65 Hz (Autosensing), Output frequency: 50hz or 60 Hz., Battery type: 12V7AH x 1, Power outlets: 3-pin x 3, Dimensions: 279 x 100 x 142 mm Complete accessories with Installation and demonstration	08 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.
- Sales tax / VAT 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.



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- 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.
- 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, VAT, Professional Tax, Service Tax)

Sr. No.	Description of Registration	Registration No.	Validity Period	Copy attached	
				Yes	No
1.	<u>PAN card</u>				
2.	<u>VAT</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:

---- Sd----
Principal
Govt. College of Pharmacy,
Amravati.