

Issued To _____

Tender Document
For Purchase of
Textile Laboratory Equipment and Machines

Tender No: 06/UPTTI/2016-17

Schedule-1

Department of Innovation & Incubation Centre

Last date & Time of submission	22.10.2016,10.30A.M
Date & Time of opening technical bids	22.10.2016, 11.30 A.M
Date & Time of opening of financial bids	26.10.2016, 10.30 A.M

Uttar Pradesh Textile Technology Institute
11/208, Souterganj, Parwati Bagla Road, Kanpur
U.P. – 208001
Website: www.uptti.ac.in

**INVITATION FOR QUOTATION FOR SUPPLY OF GOODS FOR
DEPARTMENT OF INNOVATION & INCUBATION CENTRE**

To

Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF Items as per List enclosed as Annexure-II

And as per

Tender Notice No: 06/UPTTI/2016-17

Dear Sir/ Madam,

You are invited to submit your most competitive quotation for the following goods:-

Brief description of the goods	Specification*	Qty	Delivery Period	Place of Delivery	Installation requirement if any	Approximate Cost(Rs.)	EMD (Rs.)
BINOCULAR BRIGHT FIELD MICROSCOPE	As per Annexure-II	01	03Months	IIC Centre, UPTTI Kanpur	Along with installation & commissioning	3.0 Lac	3500.00
BIO SAFETY CABINET TYP E-II B1		01				3.0 Lac	3500.00
BENCH TOP REFRIGERATED INCUBATOR SHAKER		01				7.0 Lac	7500.00
REFRIGERATED BANCHTOP CENTRIFUGE		01				6.0 Lac	6500.00
BACTERIAL AND MOULD COLONY COUNTER		01				0.4 Lac	1500.00
GEN.GLASSWARE		As per Annexure-II				2.5 Lac	3500.00

-20°C DEEP FREEZER		01				2.0 Lac	2500.00
ULTRAVIOLE T TRANSMITTANCE ANALYZER		01				15.0 Lac	15500.00
PADDING MANGLE		01				1.5 Lac	2500.00
ORBITAL SHAKING INCUBATOR TABLE TOP		01				2.0 Lac	2500.00
TEST TUBE SHAKER		01				3.0 Lac	3500.00
MINI STENTER / DRYER		01				1.5 Lac	2500.00
VORTEX MIXERS		01				0.60 Lac	1500.00
MICROBIOLOGICAL INCUBATORS		01				1.0 Lac	1500.00
LABORATORY AUTOCLAVE		01				1.0 Lac	1500.00
FT-IR SPECTROMETER WITH FULLY COMPUTER CONTROL:		01				15.0 Lac	15500.00

1. Tenders should be submitted either in person or by post in sealed envelopes on which schedule No, item quoted, the name of tender, tender number and date along with name and address of the firm will be written.
2. The **Technical bid-I** should accompanied with the following documents:
 - a) A demand draft/FDR for earnest money (Refundable to non successful bidders) as shown in above table must be made in the name of 'Director, Uttar Pradesh Textile Technology Institute, Kanpur' payable at Kanpur.
 - b) The copy of receipt of tender document fee (The tender document fee is Rs 500- and is payable in cash or through DD in favour of Director, Uttar Pradesh Textile Technology Institute, Kanpur' payable at Kanpur)
 - c) General information as per annexure-I
 - d) The certificate of authorization as dealer from the manufacturer in case of dealers. The dealers must be at least one year old with the same company as 'authorized'.
 - e) The certificate of registration in sales tax/trade tax.
 - f) PAN
 - g) The product catalogue/ literature for the quoted product giving detailed description and specification of the product.
 - h) For the product quoted, the list of existing users (to whom you have supplied the same product) with current telephone numbers (to whom you have supplied the same product)
3. Firms will have to attach the list of customers to whom they have supplied similar items during the last two years along with performance reports. Total turnover of the firm must be at least 40 Lacs per year in the last 02 consecutive years. A certificate to these effects should be issued from the sales tax department. The firm has to submit copy of audited balance sheet.
4. In case of dealer, the firm has to submit the authorization certificate from Original Equipment manufacturer. The firm must have executed at least one such order during the last two years of the items being quoted. All tenders received after due date and time will not be considered.
5. The detailed specifications and make of the equipments /material must be given.
6. No sales tax form "C" or "D" etc. for concessional rates shall be provided by the Institute.
7. Tenders without sample wherever required may not be accepted.
8. In case of imported equipment, commission allowed to agents must be specifically mentioned.
9. Free demonstration shall be done in the Institute premises if required.
10. Transit Insurance shall be done by the suppliers at their own cost.
11. Tenders without mentioned earnest money deposit will not be entertained.
12. Standing of the firm and major supplies in recent past with proof must be attached.
13. Deduction of TDS as per Govt. Rules.
14. Tenders will be opened in the presence of those who choose to be present on the opening date and time.
15. Any dispute will be subjected to Kanpur (UP) Jurisdiction only.
16. Conditional tenders will not be accepted.
17. Warranty/ Guarantee of one year from the date of Installation shall be applicable to the supplied goods.

18. Rates and other taxes such as excise, sales/trade tax/ VAT and levies etc should be recorded separately and very clearly. Cutting/correction, if any, shall be properly attested by the tenderer.
19. Conditional offers or optional bidding shall not be acceptable and such offers shall be rejected out rightly.
20. **TENDER BID-II (Financial)** shall contain rate schedule only F.O.R. **Uttar Pradesh Textile Technology Institute, Kanpur (UP) in Indian Rupee but giving breakup of their rates, sales tax/VAT, excise duty, packaging and forwarding to the destination (UPTTI Stores), Installations and commissioning charges if any, and other expenditure if any** for each item quoted in separate sealed envelope and written on cover of envelope the name of equipment quoted for. The rates must be quoted in both figures and words. Any overwriting and/or cutting must be duly attested failing which tenders are likely to be rejected.
21. **Evaluation of Quotations**

The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

 - a) Are properly signed; and
 - b) Conform to the terms and conditions, and specifications

The Quotations would be evaluated separately for each item.
22. **Award of Contract**

The purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

 - 22.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to award of contract.
 - 22.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
 - 22.3 Successful bidder has to submit 5 % security money for the period of 01 year from the date of supply & installation of machine. On satisfactory performance certificate the security will be returned back.
 - 22.4 Payment will be made only after successful installation and operation in the concerned department after verification from the departments.
 - 22.5 If the supply is not made within prescribe period the firm shall be liable to pay a penalty equal to 0.10% of value of purchase order per day. However this can be waved off by the Director under special circumstances. If the firm fails to supply the equipments earnest money deposit will be forfeited.
 - 22.6 100% Payment after receipt, check/installation & commissioning and verification of material.
 - 22.7 Warranty/ Guarantee of one year from the date of Installation shall be applicable to the supplied goods.
23. We look forward to receiving your quotations and thank you for your interest in this purchase.

24. Two to three days training should be provided by the suppliers which will be included in cost of machines.
25. The Director reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Director

Uttar Pradesh textile Technology Institute,
11/208, Parvati Bagla Road, Souterganj, Kanpur
Tel No 0512-2531814, Fax No: 0512-2530199, E-mail: info@upti.ac.in

Please Fill This Annexure positively

Annexure I

1.	Date of Application	
2	Name of Firm	
3	Address of Firm	
4	Sales/Trade Tax Registration No	
5	Address of the firm	
6	Whether Manufacturer/ Authorized Dealer	
	Certificate of authorization in case of dealer	
7	Name & address of the service centre Or the authorized agency that will provide Warranty services on your behalf	
8	Tender fee receipt no	
	Tender fee receipt date	
9	EMD details	
	EMD Amount	
	Bank Draft Number	
	Name of Bank	
	Branch	
	Date of Bank Draft	
10	List of Users	
11	Certificate of Sales Tax Registration	
12	Original Catalogue of product	
13	Any document in requirement of general terms and condition	

Signature of Proprietor

Seal

Annexure-II

Name & Specifications for the machines under Tender notice No 06/UPTTI/2016-17

Department of Innovation & Incubation Centre

1. BINOCULAR BRIGHT FIELD MICROSCOPE-

Binocular bright field microscope-

Magnifications of 40x- 1000x , binocular eyepiece tube with inclination: 30°, interpupillary distance:47-75mm. Eyepiece with diopter adjustment facility on both eyes, quadruple nosepiece reversed type, stage should be rectangular 216 x 150mm surface stage mounted on the main body stage should accommodate 2 slides at a time. Should have features: plan achromat 4x (0.10/30mm); plan acromat: 10x (0.25 / 0.7), 40x (0.65 / 0.65), 100x oil (1.25 /0.23), should have high intensity led with fly eye lens for eco illumination and life, time of 50,000 hrs at least, focusing fine: 0.2mm per rotation, coarse: 37.7mm per rotation, minimum reading: 2 , phase contrast, simple polarising, & epifluorescence attachment in future.

Camera & software:

ccd research grade, 2/3 inches, color 5.0 mega-pixel, high resolution, networking facility, software for capturing images, storing, time lapse recording consisting of digital camera head. Digital camera control unit with software included for image acquisition (live view and basic measurement), annotation with report generation facility, camera interface cable, ac adapter power card (220-240v)

Brand- NICON/ CAL ZWESS/ LABOMAT/ Equivalent.

2. BIO SAFETY CABINET TYPE-II B1-

Microprocessor Controller based with LCD Display, Menu Control, automatic filter alarm system, 2-Stage Exhaust Protection, High-efficiency particulate Air (HEPA) Filters: Rated for min. 99.9% efficiency at 0.3 micron particle size Pre-Filters, UV Burn out, with View window, Laminar Airflow Velocity: Average of 0.45 m/s measured 150mm/6" filter face for 45 air changes/min. Re-circulation of 70% of total Air Velocity. Exhaust of 30% of total Air Velocity and duct length upto 6 feet, UV Sterilization: Emission in the germicidal band UVC 254nm. Alarm: Door unsafe position, Virus Burn Out Unit at Exhaust, Motorized Door, Electrically Operated for best operator comfort, Exhaust System, for ducting length above 6 feet, Dimension 4x2x2 feet

Brand- Eppendorf/Haier/ Lab Guard/ Equivalent.

3. BENCH TOP REFRIGERATED INCUBATOR SHAKER-

microprocessor controlled, temperature control range from -15°C to 60°C, control accuracy $\pm 0.1^\circ\text{C}$, Shaking speed from 50 – 400 rpm with control accuracy of ± 2 rpm, It should have acceleration/deceleration circuit prevent sudden starts/stops to eliminate flask closure wetting, timer of 0.1 to 99.9 Hrs, large easy to read display, Display should visible from all angles across the room, and in the dark, UniCentric drive to ensures quiet, vibration free and reliable operation at higher loads and speeds, audible and visible alarms alert user when speed deviate more than 1 rpm, temperature more than 1°C from set points. should have RS-232 port for Data Logging, should have facility to calibrate the temperature and speed via keypad, should have automatic restart after power interruption with non-volatile memory, Universal Platform of appropriate size having capacity to holds assortment of various size of

flask sizes upto 2 Ltrs., should be supplied with 250ml clamps (5 Nos.), 500ml clamps (05 Nos), made up of single piece without any welding etc
Brand-Eppendorf/ Amerex/MaxQ™ Compact 4450

4. REFRIGERATED BANCHTOP CENTRIFUGE-

St Automatic rotor recognition stores up to 50 routine programs, Backlit graphical liquid crystal display, Maximum speed: 17,500rpm Maximum RCF: 30,130 x g, 18-24 place 1.5/2ml capacity rotor with aerosol tight metallic lid, Maximum Speed: 7,830 rpm
Built-in condensation drain to eliminate water accumulation and prevent corrosion, Temp. Range -11°C to + 40°C, Braking time upto 15 sec Acceleration time upto 14 sec, Suitable stabilizer of 3 KVA

Brand- Eppendorf/ Beckman Coulter/ Labnet/ Sigma 2-16P/ Equivalent.

5. BACTERIAL AND MOULD COLONY COUNTER-

Should counting Bacterial and Mould colonies in culture work, should provide uniform glare free illumination to minimize the strain on eyes and clearly defines even small colonies. Minimum 100 mm dia lens to cover the entire illumination field with high magnification , Counting plate with standard Wolfhugel ruling to ensure clearly differentiated and sharply defined colonies, automatic 3 digits L.E.D. Digital Display, Each touch of Marking Pencil on the Petridish increments the colony count by '1' and the glowing L.E.D. Digital Display depicts the total colony count.

Maximum colony count possible upto 999. Provided with a manual RESET of digital display. ON/OFF switch, counting pencil, cord and plug. Suitable to work on 220 V, single phase, 50 Hz, AC supply

Brand- Yorko/Thermo/Cole Parmer/ Equivalent.

6. Glass Ware-

- (i) 90 mm Petri plates
- (ii) Conical Flask 250, 500 and 1000 ml
- (iii) Beaker 50, 100, 250. 500 and 1000 ml
- (iv) Micropipettes (Variable and Autoclable)
- (v) Stoppers
- (vi) Reagent Bottles for Media
- (vii) Taste Tube
- (viii) Chemical Rack

Additional Quantity required as per details (i) 100 (ii) 20 each (iii) 10 each (iv) 3 (v) 100 (vi) 100 (vii) 100 (viii) 4

Brand- Borosil/Torsion/Eppendrp/Equivalent.

7. -20°C DEEP FREEZER-

Temp range -18 to 23°C, Exterior Construction Enamelled Steel Drawers 2 + 1 Flap, Door Hinging, Right Door Style Solid, Operating Temperature -20°C, Capacity (Litres) 320 , Style : Underbench, Tropicalised for harsh Indian summer, UV-protected galvanised sheets for interior and exterior, Adjustable Shelves, Energy-efficient Cooling Unit, Eco-friendly Refrigerant, Uniform cooling, Clear product visibility with reflective glass, Self-closing door with locking facility

Gross Capacity: 300 ltr, Temp. -12-22°C, Power supply 230V/1Ph/50Hz, Refrigerent R404A, Glass type: Low-emissive Toughened Glass, No of Doors: 1, Internal Light: Yes

Brand- Bluestar/ Haier/ LG/ Glacier/ YORKO/ Eppendorf/ Equivalent.

8. ULTRAVIOLET TRANSMITTANCE ANALYZER-

Spectral Range 250 - 450 nm, Wavelength Accuracy +/- 1.0 nm or better, Lamp: Xenon Flash Lamp with continuous spectral distribution, Transmittance Measurement Range: 0 % – 100%, Absorbance measurement Range: 0 - 2.7 A or greater, Dynamic Range (Absorbance) 0 - 2.7 AU or greater, Data Interval: 1 nm or better, Measurement area at least 0.6 cm², computer Interface USB 2.0 , Power requirement 110 - 120/220 - 240 VAC, 60/50 Hz , Operating Requirements 0 - 50°C, 0% - 70% RH , USB Computer interface,
Brand- Lab sphere/ SDL Atlas/ Perkin Elmer/ Shimadzu/ Equivalent.

9. PADDING MANGLE-

Model : Table Top
Material of construction: at least SS 304 - SS 316
Working width: 450-500 mm.
Automation: Microprocessor Controller
Bowl hardness: 65°-70° Shore Hardness
Bowl Dimensions (450-500 mm WW):
Working Pressure: 0.1-5 Kg/Cm²
Cloth Speed: Variable upto 6 Mtr / Min
Heated Trough's Capacity: 900 ml
Unheated trough Capacity: 200 ml
Electrical supply: 230V AC Single phase,
Compressed air Pressure: 0.6 MPa
Padding roller diameter: 125 mm

10. ORBITAL SHAKING INCUBATOR TABLE TOP-

1. With safety switch to stop shaking when opening door
2. Built-in circulating fan for temperature stability.
3. Adjustable speed range.
4. Rubber non-slip mat to prevent slipping

TEMP. RANGE	Ambient+5°C to70°C
TEMP. ACCURACY	±0.1°C
TEMP. CONTROL	PID temperature control
TEMP. DISPLAY	LED Digital Display
SHAKING SPEED	30 to250r.p.m
SHAKING STROKE	25mm
POWER VOLTAGE	110 V,60 Hz /220V,50Hz
AMPS	2.5

Make- Eppendorf/ Equivalent.,

11. TEST TUBE SHAKER-

Oscillation mode: Orbital
Display: LED display for speed
Control: Speed & time setting knob
Time: 0 ~ 120 minutes
Speed Range: 40 ~ 240 rpm
Oscillation Amplitude: ø15mm
Maximum Load: 30 x 15ml or 18 x 50ml
Platform Size: 250x230mm

External Material: ABS special
Power: 40W
Power supply: 220V AC Single phase 50Hz
Make- Eppendorf/ Equivalent.

12. MINI STENTER/DRYER –

Suitable for all drying setting, baking and thermo soling process, Table model, Sample size upto 36X42cm Automatic pin frame transport with preselect able dwell times from 10 sec to 6 min Electric heating 6 kw Temperature range 20 to 250°C with air circulating fan Specially designed pin frame to hold all types of samples in length and or width Suitable for discontinuous operation with padding mangle .

13. Laboratory Autoclave –

Operating Pressure 15 psi Operating Temperature 121 C Capacity 35 liter
Operating Pressure 15 psi Operating Temperature 121 C Capacity 35 liter Chamber dimension 300X500mm Construction by 304 Stainless steel Sterlization time 0-99 Min Control Digital Voltage 230V.

14. Microbiological incubators –

Temperatures from 0 °C to 50 °C , Stainless steel interior with rounded edges and corners Capacity 35 Ltr, Allows the user to program temperature profiles with up to 10 steps via the control panel. After completion the program can be repeated, switched off or the temperature is maintained. Maximum time per program stege

15. Vortex Mixers-

Speed range: 120V: 3200 rpm Orbit: 4.9mm Overall dimensions (L x W x H): 4.8 x 6.8 x 4.8" (12.2 x 17.3 x 12.2cm) Electrical (50/60 Hz): 120 volts, 1.2 amps, 150 watts Control: 3-way power switch, LED display for time/speed up/down keys for set-point control, pulsing key .

16. FT-IR SPECTROMETER WITH FULLY COMPUTER CONTROL:

Spectral range: 375-7500cm⁻¹ with standard beamsplitter, 500-6000 cm⁻¹, optional with high humidity Zn-Se optics, **Signal-to-noise ratio:** typically >50,000:1, (1min measurement time, spectral resolution 4 cm⁻¹), Spectral resolution: better than 2cm⁻¹, optional better than 0.8 cm⁻¹ resolution freely adjustable from 0.8 cm⁻¹ to 256 cm⁻¹. **Wavenumber accuracy:** <0.05 cm⁻¹@2000cm⁻¹. **Wavenumber precision:** <0.0005 cm⁻¹@2000cm⁻¹. (SD of 10 repeat measurements) **Photometric Accuracy:** Better than 0.1%T. **Temperature stability** 100% line; 1% per °C, **Interferometer:** Rocksolid, permanents aligned, high stability **Optics:** sealed and desiccated, all mirror gold coated, **Detector:** High sensitivity DLATGS, room temperature. **A/D Converter:** true 24 bit dynamic range. **Validation:** IVU internal validation unit, automated OQ/PQ test and protocols, automated test according to European Pharmacopoeia **Accessory recognition:** Automatic accessory recognition, automatic performance test and automatic setting of appropriate measurement parameters **Available measurement:** Transmission KBr pellets holder, variety of liquid techniques and gas cells ATR diamond, ZnSe and Ge crystal, flow through cell, heatable crystal plate, Diffuse Reflection, Specular Reflection, refelection with video-option, **Computer interface:** Ethernet, remote control via W-LAN (option, e.g. for use in glove box) Operating System: Window 7. **Power:** 100-240 V AC, 50-60Hz,, 20W (low energy

consumption). **Dimension:** ATR (22x33x26 cm) (wxdxh), **Software:** suitable software must be provided which is designed to save valuable analysis time. An intuitive wizard guides the user through the analysis procedure, from measurement via data-treatment and evaluation to the final documentation.

Configuration for Computer and Printer:- 500 GB HDD, 3 GB RAM, Dual core processor, LCD 17" Monitor, DVD Writer, Mouse & Keyboard, Serial port-1, USB Port-4+ nos. with standard supply and Latest laser Jet B & W Printer.

Make: BRUKER/ PERKIN ELMER/ METLAR/ Equivalent.