

Issued to: _____

**Tender No 09/UPTTI/2016
Schedule-2
Tender Document for Textile Chemistry
(Equipments)**

**Last date of submission: 30-01-2017 at 10.30 AM
Time and date of opening of Technical bid: 30-01-2017 at 11.00 AM
Time and date of opening of Financial bid: 06-02-2017 at 11.00 AM**

**Uttar Pradesh Textile Technology Institute,
Kanpur**

INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS

Dear Sirs,

Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF Items as per List enclosed as annexure-I
and as per

Tender notice No: as above

(Please note that schedule of requirement of all items under this Tender notice is also displayed on the notice board and at our website www.uptti.ac.in.

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

Sl No	Brief description of the goods	Specification*	Qty	Delivery Period	Place of Delivery	Installation requirement if any	EMD (Rs.)
1	Ultrasonic Probe Sonicator PCI / PSI	As per annexure-1 and 2	01	1 Months	UPTTI Kanpur	Inclusive along with the power switch gear and connections etc	2500.00
2	Rota dyer machine		01				1500.00
3	Xenon light fastness tester		01				4500.00
4.	Laboratory model winch dyeing machine		01				1500.00
5.	Flammability Tester		01				1500.00
6.	Washing Fastness Tester		01				1500.00
7.	Water Bath		20				2500.00
8.	Steam Ager		03				11500.00
9.	HT HP Glycerin Bath Dyeing M/C		01				3500.00
10.	Lab model Rotary Screen Printing Machine		01				4500.00

11.	Limiting Oxygen Index Tester		01			5500.00
12.	LAB COATER MACHINE		01			50500.00

2. **Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable by the contractor under the contract **shall be included in the total price of individual equipment.**
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. *(Please note that the bid will be rejected in the absence of above)*
- d) The Prices should be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation for one schedule.

4. **Validity of Quotation**

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for tender submission.

5. **Evaluation of Quotations**

(i)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.

6. **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 for the respective individual item of the schedule. Bidder can quote for one of all items.

- 6.1 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 the award of contract.
- 6.2 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.
7. **100% Payment after receipt, check/installation & commissioning and verification of material but within 30 days. Please note that payment terms demanding advance of any type will not be acceptable.**
8. Warranty/ Guarantee of three year from the date of Installation shall be applicable to the supplied goods and services unless otherwise specified in the **special terms & conditions** of the tender document or in the specification sheet.
9. You are requested to provide your offer according to the date & Time mentioned in the tender notice.
10. We look forward to receiving your quotations and thank you for your interest in this project.
11. **General Terms and conditions/Guidelines/Instructions for preparation and submission of offers/Tenders:**

(11.1) How to prepare the offers/Tenders:

The essential details of specifications & instructions are to be followed strictly in accordance with the tender notice. The tendering firms are requested to submit their offer in two parts. The first part will be named as **TECHNICAL OFFER** & the second part will be called **FINANCIAL OFFER**.

The Technical offer as well as financial offer are to be prepared separately,(i.e. in separate covers), indicating very clearly on the envelopes with the relevant enclosure given as under:

Both Technical Offer and Financial Offer must be kept in one covering Envelope (i.e. in Third envelope) and should be properly sealed. In Technical Offer and Financial offer BID COVERS, it may specifically be indicated properly the Tender Notice No: _____, Dated _____ Due/Opening on _____ on.

- (11.2) In case of U. P. state firm, enclose valid trade tax registration certificate. In case of outside U.P. firms, enclose valid C.S.T. registration certificate or VAT registration certificate.
- (11.3) All the enclosures should be valid on the date of opening of the Tender

- (11.4) After opening the tender any changes in the rates shall not be acceptable and offer will be rejected in this case.
- (11.5) It shall be responsibility of the tendering firms to present themselves on the date of technical & Financial opening and meeting thereof and acquaint themselves with the shortcomings. No separate intimation will be sent to them in this regard.
- (11.6) The security money/Earnest money as specified above shall have to be given/ submitted along with the technical offer. **Offers without E.M/Security will be rejected.**
- (11.7) Tenderer (Authorized person) shall **sign the offer and all the enclosure being submitted by them with their designation, seal and date.** All documents may be numbered starting from the first pages 1, 2, 3.....
- (11.8) If any regulatory act is applicable in item then enclose copy of clearance of the competent authority.
- (11.9) **Conditional offers shall not be acceptable and such offers shall be rejected out rightly. Optional bids will also be rejected. Please do not bid with options in bid. Please note again that anything OPTIONAL in the quotation will disqualify the quotation even after opening the financial bid. You are requested to quote your final configuration which you fee is conforming to our specifications.**

12. Special Terms & Conditions:

1. Prices:

- a) The quoted prices should be Inclusive of all (Net). The price for each of the above items may be quoted separately in order to enable us to increase or decrease the quantity depending upon site requirement.
- b) Bidder may quote any one or all items of this tender. The estimation of lowest price will be done on individual item basis of this tender.
- c) Prices are to be quoted strictly in the following format. Please note that no forms for sales tax rebate will be provided.

- d) Please note that no duty exemption certificate will be provided.
- e) The quotation, in which total value is not indicated in the above format, will be rejected.

2. Warranty: Three years comprehensive for the whole system.

- a) Recurring annual charges for any AMC or renewal for the three years must be included in the above rates.

b) The rates must be quoted inclusive of three years warranty for each of the above equipment system and inclusive of all renewals for the warranty period for software/ equipment etc.

3. Technical bid should be accompanied with the following documents:

- a. The bidder should have **certificate of OEM authorization** for the equipment quoted. Please enclose the required certificates with the technical bid. In absence of which, the bid shall not qualify for financial comparison. **Please produce certificate in the OEM's original letterhead only.** In case scanned copy of authorization letter on original letterhead of OEM has been obtained through mail. The soft copy of the attachment is to be provided to us on the day of opening of Technical Offers. Certificates which are not clearly visible or signature without name and designation of the authorized signatory will not be accepted
- b. The bidder should have supplied the items of like nature in at least one government departments / Public Sector companies or limited companies, universities or large schools of repute, costing not less than Rupees 10 lakhs. **Please attach proof (order copy) with technical Bid.**
- c. Technical Leaflet/ catalogue / Brochure of the product quoted
- d. The certificates as per terms and conditions mentioned in specification sheet (Annexure-II) of concerned schedule of requirement
- e. A demand draft for earnest money of the quoted price (Refundable to non-successful bidders within seven working days from the date of opening of tender). The DD should

be made in favour of 'Director, Uttar Pradesh Textile Technology Institute, Kanpur', payable at Kanpur.

- f. **In the absence of Earnest money or in case of Earnest money deposited less than the required, the bid will be considered as non responsive.**
 - g. 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 Institute, Kanpur, Payable at Kanpur. Photocopies of Bid document or downloaded from our website can be used but the document fee as described above must be deposited to us before submitting the tender.
 - h. General information form as per annexure-I
 - i. The certificate of registration in the sales tax / trade Tax/VAT
 - j. **Please ensure that the quoted item must be in conformity with the specifications/ requirement as per our document.**
4. The bidder shall have to deposit a bank guaranty for the 10 % amount of the final order for the period of warranty (three years), if the order is to be placed in favor of the bidder. This BG will be released on the successful completion of warranty period.
5. Payment: After delivery
6. Delivery: Within 1 month Days

Director

Uttar Pradesh Textile Technology Institute,
11/208, Parwati Bagla Souterganj, Kanpur

Tel.No 0512-2530199
Fax No.0512-2531814
E-Mail: info@uptti.ac.in

13. FORMAT OF QUOTATION
(May be retyped on Supplier's Letterhead)

Name of the Supplier: _____

Address of the Supplier: _____

Supply and Installation of Items at UPTTI Kanpur					
S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
1	Ultrasonic Probe Sonicator PCI / PSI	Nos.	1		
	Service Tax@.....				Rota dyer machine
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
2	Rota dyer machine	Nos.	1		
	Service Tax@.....				
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
3	Xenon light fastness tester	Nos.	1		
	Service Tax@.....				
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
4	Laboratory model winch dyeing machine	Nos.	1		
	Service Tax@.....				
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
5	Flammability Tester	Nos.	1		
	Service Tax@.....				
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
6	Washing Fastness Tester	Nos.	1		
	Service Tax@.....				
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
7	Water Bath	Nos.	20		
Service Tax@.....					
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
8	Steam Ager	Nos.	3		
Service Tax@.....					
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
9	HT HP Glycerin Bath Dyeing M/C	Nos.	1		
Service Tax@.....					
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
10	Lab model Rotary Screen Printing Machine	Nos.	1		
Service Tax@.....					
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
11	Limiting Oxygen Index Tester	Nos.	1		
Service Tax@.....					
				TOTAL	

S.NO.	ITEM DESCRIPTION	UoM	Qty	Rate(Rs.)	Total(Rs.)
SUPPLIES					
12	LAB COATER MACHINE (Including accessories & Options)	Nos.	1		
Service Tax@.....					
				TOTAL	

Signature of Supplier (Please Sign in above Box)	Date (Please write in above Box)	Place (Please write in above Box)	Rubber stamp (in Above Box)

(Please sign and stamp on each page of quotation).

14 General Information Form

1	Name of the Firm	
2	Address of the Firm	
3	Sales Tax registration Number	
4	Tender fee receipt no	
	Tender fee receipt date	
5	EMD Details	Bank Draft to be attached on the Top of Technical Bid.
	EMD Amount	
	Bank Draft Number	
	Name of Bank	
	Branch	
	Date of Bank Draft	
6	Certificate of Sales Tax registration.	Attached as Page Number _____ of Technical bid.
7	Catalogue of Item no 1	Attached as page numbers from _____ to _____ of Technical Bid.
8	Catalogue of Item No 2	Attached as page numbers from _____ to _____ of Technical Bid.
	Catalogue of Item No 3	
11	Letter/ Certificate of Authorization from the OEM of Item No 1	Attached as Page Number _____ of Technical bid.
12	Letter/ Certificate of Authorization from the OEM of Item No 2	Attached as Page Number _____ of Technical bid.
13	Letter/ Certificate of Authorization from the OEM of Item No 3	Attached as Page Number _____ of Technical bid.
14	Documents certifying 3 (b) in Special Terms & Conditions above	Attached as page numbers from _____ to _____ of Technical Bid.

Signature of Supplier (Please Sign in above Box)	Date (Please write in above Box)	Place (Please write in above Box)	Rubber stamp (in Above Box)

Annexure-I &II
List & specification for Items
For Textile Chemistry Equipments

1. Specifications Ultrasonic Probe Sonicator PCI/PSI:

S No	Model	Specification	
		Pro 250	Pro 500
1	Frequency	20 KHz	20 KHz
2	Power	250 W	500 W
3	Probe Dia(Titanium Alloy)Standard	6 mm(1/4")	9.5mm(3/8")
4	Temp Range	0-99	0-99
5	Display	LCD	LCD
6	Timer(Selectable)	Yes	Yes
7	Overload Protection	Yes	YES
8	Operation Program	10	10
9	Power Supply	220 V AC/50 HZ	220 V AC/50HZ
10	Dimensions LxWxH(mm)	490x370x250	490x370x250

2. Rota dyer machine:

Embedded with Digital Controller and Indicator, Double Walled Structure, Mineral Glass Wool Insulation in Double Wall, Stainless Steel Body, Simple Design Provides Easy Operation, low Noise Pollution and Low Maintenance

Material - S S 304 Grade, Beaker 316 Grade, **Supply** -220 volt AC, 50 H **Motor** – ¼ HP , AC Graded
Max Heating -99^oc **Max rate of Heating** -1-2^oC/min, **Max rate of Cooling** -1-2^oC/min . **No of Heater** -2 (1500 W)

3. Xenon light fastness tester:

1x 2200 W air-cooled Xenon Lamp, approx. 2000 cm² ± 300 cm² exposure area, Touch screen with colour display to monitor and display test parameters, Control of Irradiance, Setting and Control of black Standard Temperature, Chamber Temperature, Relative

Humidity, Display of Diagnostic Message, Storage for 10 user-defined tests, English and Hindi User Interface, Non-aging filter systems for ISO 105-B02 and AATCC TM16 for measuring and controlling irradiance (in W/m²) and Black Standard Temperature on sample level, Selectable temperature control either by Chamber Temperature (up to 65 °C) or by Dual Control: Chamber Temperature and Black Standard Temperature (up to 100 °C) simultaneously, humidity control, Sample rack suiting for more than 20 standard textile samples, Pre-programmed standards ISO 105 B02 and AATCC TM16-2004 (Option 3), Switch-off by radiant exposure, light exposure or total operating time

UV-protected test chamber window, Advanced Auto Start functions, internal memory chip for storing instrument data, Data output via Memory Card .

4. Laboratory model winch dyeing machine:

Specification: Body material: SS

Maximum liquor capacity: 15 litre

Heating: Electrical

Winch Speed: Maximum upto 20 rpm

Electrical Supply: 230 V

Dyeing temperature: Upto 97°C

5. Flammability Tester

- Open-type burning chamber structure;
- Chamber body in calcium silicate board, and wrapped by stainless steel external;
- Standard Meker laboratory burner;
- Record burning time automatically;
- Auto-ignition mode to avoid operative error;
- Timer accuracy up to 0.1second;

Provide with a standard specimen holder.

6. Washing Fastness Tester

- Quality stainless steel.
- Possess electric heater
- The microprocessor based programmer for temperature control.
- Buzzer to indicate the completion of the process cycle or step.

Specification

Electric Supply	: Single phase 220 Volts, AC Supply
Heater Supply	: 1500-3000 watt Single Phase
Number of Beakers (Test Vessels)	: 06 Nos. Leak-proof Beakers with Gaskets
Volume of each Beaker	: 500±50 ml X 06 Beakers
Speed of Rotation	: 40±2 rpm
Temperature Controller	: PROGRAMMABLE MEMORY BASED DIGITAL
Temperature Regulation	: PT-100 with ±2.0°C (As per I.S.O.)
Timer (Digital)	: 0-99 Minutes
Motor	: Single Phase, Geared Motor 220 Volt AC
Net Weight of the Unit	: 50 Kg±20kg

7. Water Bath

Body	: Double walled with SS Tumblers
Bath Opening	: 6 holes of 3" dia with beakers (S.S.)
Heater Wattage Range	: 1.5 to 4.0 Kw
Control Panel	:Temp. Controller, With Mains & Load Indicator, Mains Switch
Temperature Range	: Ambient to 95° C
Temperature Stability	: ± 0.5°C or better
Outer body of Bath	: S.S. 304 grade
Interior Tank	: S. S. 304 grade (Double walled)

8. Steam Ager

Sample size range	: 200 mm x 1.50 mt to 200 mm x 2.0 mt.
Temperature	: 130-135°C.
Maximum Working pressure	: 4 Kg/Cm ²
Material of Construction	: SS 304
Internal Diameter of Vessel	: 380-390mm
Height of the vessel	: 535 -540mm
Electrical Load	: 3.0 Kw to 4.5 Kw
Electrical Supply	: 220V, Single Φ, 50Hz

9. HT HP Glycerin Bath Dyeing M/C

Beaker Capacity	: 250 ml
Number of beakers	: 12
Heating Medium	: Glycerin
Temperature Range	: Up-to140°C
Cooling	: Through Water circulation
Power supply	: 440V, Three Φ, 50 Hz
Approx Heating Load:	4Kw to 6 Kw.
Accessories	: 1 No. Hook type Spanner for Lifting Beakers : 1 No. Stand for Beaker Mounting : 1 No. Normal Screw Driver for opening Easy Lock system

10. Lab model Rotary Screen Printing Machine

Specifications:

Type: Flat Bed Screen (Automatic)

Max Print Area (Inch X Inch): PRINTING WIDTH 1250MM

Object to be printed: Fabric

- Printing Width: up to 1250 mm
- Printing Repeat: 300 mm to 640 mm
- Printing Speed: 4 to 80 mtrs/ minute
- No. of Colors: 2,4

11. Limiting Oxygen Index Tester

Glass column: inner diameter 75 ± 5 mm, height 450 ± 5 mm, Oxygen/Nitrogen flowmeter with least count 0.1 litre/min, with Gas mixing facility, Gas pressure : 0.1 MPa, L-6 adjustable flame burner, U-Shape sample holder, digital display of gas flow and gas content (O_2 and N_2 both), With facility to measure the combustion temperature during burning

12. LAB COATER MACHINE

Technical data

Temperature range	Up to 250 °C / 300 °C
Dwell time	5 s to 999 min
Air circulation	infinitely variable
Feed and delivery	automatic
Sample sizes	330 x 430 cm max. (only drying) 280 x 300 mm max. (coating and drying)
Coating speed	0.2 – 4 m/min (coating device with motor drive)
Setting accuracy of the coat thickness	0.01 mm
Operation	Univision
Dimensions W x D x H	1015 x 1135 x 950 mm ($\pm 10 \times 10 \times 10$ mm variation can be considered) (D = 1450 mm, transport frame extended)

Accessories

Adjustable pin frame

Pin frame adjustable in length and width, both to stretch textile materials

Reversing pin frame

Paper and foil frame

Sieve frame, for holding loose material

Options

Exhaust air fan

Automatic cover lifting

Driven air flap control Laminating device type «SV-K», for laminating PVC in the reversing method

Coating device with motor drive

Smart view for data recording