



Uttar Pradesh Textile Technology Institute

11/208 Souterganj, Kanpur-208001

Notice Inviting Tenders

Online tenders for the financial year 2018-19 through Double bid system are invited from experience suppliers through the Govt. E-Procurement Portal <https://etender.up.nic.in>



Tender Publishing Date :23.01.2019 at 4:00 PM

Tender Closing Date :18.02.2019 at 5:00 PM

Technical Bid Opening : 19.02.2019 at 11:00 AM

Financial Bid Opening : 23.02.2019 at 11:00 AM

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs
1.	Tender No:10/UPTTI/2018-19 for fabrication of Thermal Conductivity Tester for Textile and other Similar Materials.	5.50	6500
2	Tender No:11/UPTTI/2018-19 for Thermal Image Analyzer	5.00	5500
3	Tender No:12/UPTTI/2018-19 for High Precision Digital Multimeter	01.50	2500
4	Tender No:13/UPTTI/2018-19 for Ultra Sonicator	01.00	1500
5	Tender No:14/UPTTI/2018-19 for Analytical Balance	01.50	2500
6	Tender No:15/UPTTI/2018-19 for Cryostat	01.00	1500
7	Tender No:16/UPTTI/2018-19 For Double Distillation Unit	0.80	nil
8	Tender No:17/UPTTI/2018-19 For Heating Mental with Distillation Assembly	01.00	1500
9	Tender No:18/UPTTI/2018-19 For Solar Drier	01.00	1500
10	Tender No:19/UPTTI/2018-19 For Digital Micro Volt Meter	00.50	nil
11	Tender No:20/UPTTI/2018-19 For Refrigerator	00.25	nil
12	Tender No:21/UPTTI/2018-19 For Variable DC Power Supply	00.50	nil

Director, UPTTI, Kanpur right to increase/decrease quantity of the supply and to accept or reject any without assigning reasons their of. For any clarification contact Director, UPTTI, office on any working day during office hours. Tender will be accepted via online mode only.

Director
UPTTI, Kanpur

INVITATION FOR E BiDDING

FOR SUPPLY OF GOODS UNDER

Pandit Deen Dayal Quality Improvement Program

Funded By

Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh

(Please note that schedule of requirement of all machines 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: as per annexure 1
2. Each bidder shall submit only one quotation for one schedule.
3. **Validity of Quotation**
Quotation shall remain valid for a period not less than 60 days after the deadline date specified for tender submission.
4. **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.
(ii) The Quotations would be evaluated separately for each schedule. If one schedule contains more than one item then all those items less than one schedule shall be quoted in one offer but the evaluation will be done separately for each item.
5. **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.
6. 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.
7. 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.
8. 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. Bills are to be submitted at the Institute along with the material. **However the Payment will be made by Dr. APJ Abdul Kalam Technical University, Lucknow.**
9. Warranty/ Guarantee of one year from the date of Installation shall be applicable to the supplied goods unless otherwise specified in the special terms & conditions of the tender document or in the specification sheet.
10. You are requested to provide your offer according to the date & Time mentioned in the tender notice.
11. We look forward to receiving your quotations and thank you for your interest in this project.

12. General Terms and conditions/Guidelines/Instructions for preparation and submission of offers/Tenders:

- (12.1) Online Two Part Bidding process is adopted please take care while filling bid.
- (12.2) 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.
- (12.3) All the enclosures should be valid on the date of opening of the Tender
- (12.4) Dropped
- (12.5) 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.
- (12.6) the security money/Earnest money shall have to be given/ submitted as desired along with the technical offer. **Offers without EMD will be rejected.**
- (12.7) bidder (Authorized person) shall send one hard copy of filled technical bid and **sign the bid 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...at our address through Speed post/ courier or by hand. ...

“Director Uttar Pradesh Textile Technology Institute, Kanpur, 11/208, Souterganj, Parwati Bagla Road, Kanpur, U.P.-208001”

- (12.8) if any regulatory act is applicable in item then enclose copy of clearance of the competent authority.
- (12.9) 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
- (12.10) the printed catalogue of machine /equipment with all technical literature is to be submitted with the hard copy bid also. **In the absence of Technical details, the offer may be treated as non responsive and may not be considered.**

Special Terms and Conditions.

1. The machine will be ordered by the institute and is to be delivered at the institute.
2. The payment will be done by Dr. A.P.J. Abdul Kalam Technical University after presenting the bills and completion report. The Supplier will present the bills to the Institute (UPTTI) and Institute will forward the bills to Dr. APJ Abdul Kalam University for payment.
3. Fabricated Product to be delivered within 4 months of placing the order.
4. During fabrication the instrument design and development will be periodically reviewed by the concerned faculty members of the institute.
5. Institute will have the copyright of the Fabricated machine.
6. Demonstration and Installation at the Institute.

7. Proper Training to the related persons.
8. 1 years of Annual Maintenance contract.
9. Delivery of all the technical documents and papers related to the instrument.

Director

Uttar Pradesh Textile Technology Institute,
11/208, Parwati Bagla Souterganj, Kanpur
info@uptti.ac.in

Annexure-I

Tender No: 10/UPTTI/2018-19

Tender Specification for Fabrication of Thermal Conductivity Tester for Textile and other Similar Materials

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
1.	Tender No:10/UPTTI/2018-19 for fabrication of.	5.50	6500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Fabrication of thermal conductivity tester For Textile and other similar materials

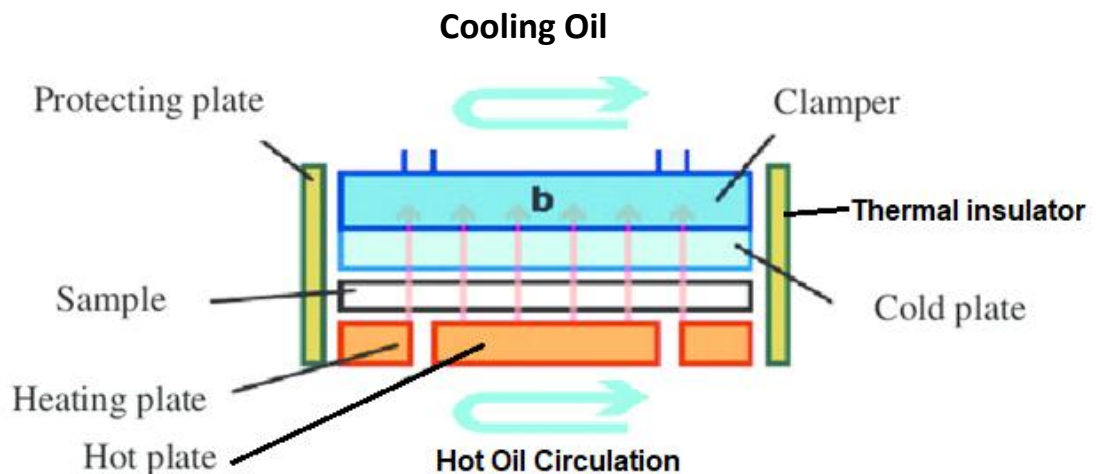
The specifications are as follows:

Specifications/Inclusion

- The machine will be fabricated by the fabricator as per requirements/specifications/inclusions laid down by the institute.
- The machine is intended for use in research and will be copyright of the institute.

1. Design and Material specifications for the Instrument
2. Proposed List of Material Required

Description of the Machine



Diagrammatical representation of Instrument Setup

Proposed List of Material Required

S. No.	Part Descriptions	Qty Required	Material of Construction/ make
1	Main Table	01	MS Powder Coated
2	Twin Shaft	02	SS
3	SS Tank for Cool circulation	01	SS
4	SS Tank for Hot Circulation	01	SS
5	Cool Tank Drive Motor	01	Crompton
6	Speed regulation by VFD	01	Crompton
7	Gear Box for Motor	01	Rotomax
8	Control Panel	01	MS Powder Coated
9	Twin Shaft assy	One set	MS/SS combination
10	Circulation Pump	02	Crompton
11	Hot oil circulator max temp 250 °C	01	

12	Chiller Circulator min temp -20 °C	01	
13	Light material Hot	01	Copper and Teflon

Additional adopter plate required over the hot surface

Item S. No 13

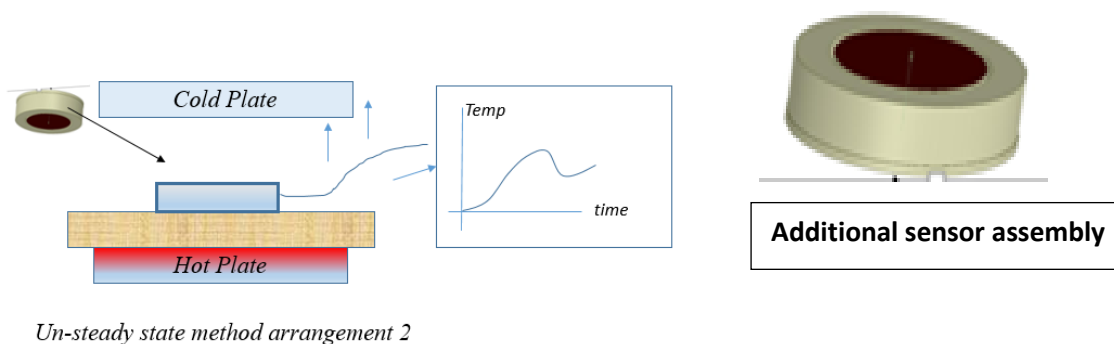
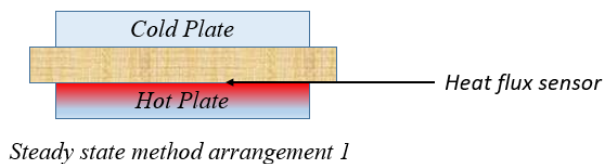
MOS Teflon and Copper

Hot up to 250 °C

Copper Plate wt 18 Grams, Thickness 1.6 mm

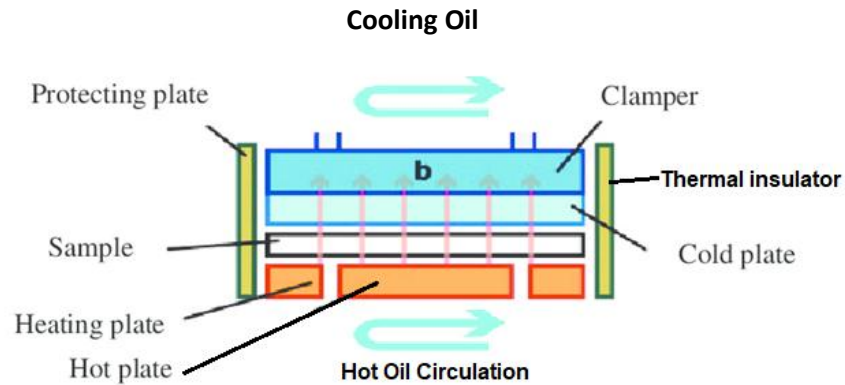
Thermal Sensor Fitted

Required for measuring transient thermal behavior of the textile insulation

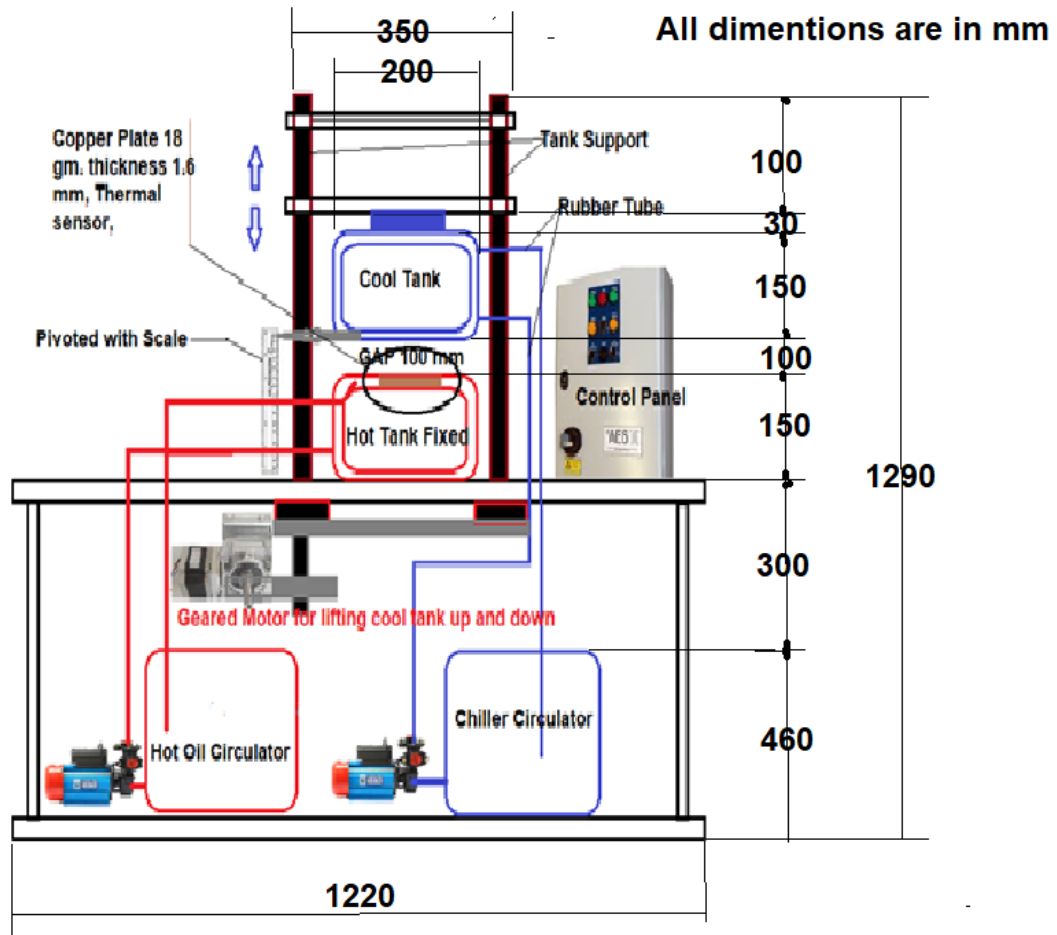


3. Detail Technical Requirements

1. Insulating Jacket or protective plate as mentioned in the fiugure for the test setup made up of light composite material.



2. The heating plates at the top and bottom should be made up of **rough surfaces that simulate skin and black body radiating in nature** (emissivity 0.98).
3. The sensor assembly for measuring the transient response of the insulation should be made of teflon or very light material incorporating the copper disc as specified (painted black acrylic colour).
4. The cooling liquid for the cooling chamber should preferably be able to bring the temperature of the top plate below zero degree. This can be developed as a future effort.
5. Weight of the heating plates should be as light as possible so that its thermal mass is reduced.
6. A separate accurate thickness measuring gauge is required for measuring thickness of clothing materials.
7. Pc: Computer : Desktop PC i-5, 500GB Hard disc , 4GB RAM, Graphic card, Windows 7 or better licensed version, 17 inch LED monitor and other accessories.(required for data logging)



Proposed diagrammatic representation of the Instrument

Special Terms & Conditions:

10% Security Money is to be deposited by the successful bidder in the form of Fixed deposit in the name of Director, Uttar Pradesh Textile Technology Institute, Kanpur, for the period of warranty. The security deposit will be returned after successful completion of warranty period.

End

Tender No: 11/UPTTI/2018-19

Tender Specification for Thermal Image Analyzer

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
2	Tender No:11/UPTTI/2018-19 for Thermal Image Analyzer	5.00	5500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Tender Specification of THERMAL IMAGE ANALYZER	
1	Detector Resolution : 160×120 pixels
2	Output thermal image resolution : 640x480 Pixels
3	Thermal sensitivity (NETD) : 0.1°C or Less
4	Temperature range:- - 20 to 250 °C
5	Built-in digital camera with power LEDs.
6	Instrument should have manual & motorized focus
7	Instrument should have voice annotations via headset
8	Spectral range: 8 to 13 μm & Refresh rate - 9 Hz or better
9	Colour Palettes: at least 7 options.
10	Analysis functions: up to 3 measurements points, Hot/Cold/Spot recognition, Area measurement (Min/Max/Avg) isotherm and alarm values
11	Field Of View - Standard Lense-32°x23° (±5° will be considered)
12	Storage device: SD card of at least 2 GB (1600-1800 images)
13	OEM/Vendor should have their own facility in India for Service & Calibration (Provide Valid Documents)
14	4 hrs operation of the camera with battery is required.
15	The instrument should be able to work also on power while charging.
16	Fully featured Professional Software should be supplied as a part of the package
17	File Format: export options in .bmp, .jpg, .png, TIFF.csv, .xls
18	Tripod mounting arrangement should be provided with the instrument
19	Vendor will provide demo for the quoted model to complete the technical evaluation
20	Vendor will provide training / Installation after delivery at the Institute Lab
21	Warranty / Guarantee: All the items supplied should be under a minimum warranty period for 12 from the date of installation
22	Manufacturer should have minimum 03 years of selling experience for the quoted model in India. Attach Proof.
23	Test Reports should be provide for the quoted model (From Indian Authorized Lab)
24	Certificate for authorized dealer required in original.

Special Terms & Conditions:

10% Security Money is to be deposited by the successful bidder in the form of Fixed deposit in the name of Director. Uttar Pradesh Textile Technology Institute, Kanpur, for the period of warranty. The security deposit will be returned after successful completion of warranty period

Tender No: 12/UPTTI/2018-19

Tender Specification for High Precision Digital Multimeter

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
3	Tender No:12/UPTTI/2018-19 for High Precision Digital Multimeter	01.50	2500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Tender Specification of HIGH PRECISION DIGITAL MULTIMETER

- 6.5 digit resolution
- Basic V DC accuracy of up to 0.0024%
- Dual display
- 100 μ A to 10 A current range, with up to 100 pA resolution
- Wide ohms range from 10 Ω to 1 G Ω with up to 10 $\mu\Omega$ resolution
- Equipment should measure frequency and period.
- Equipment should measure capacitance and temperature.
- USB memory drive port is required.
- Graphical display is required.
- Paperless recorder mode, statistics, histogram or equivalent.
- CAT I 1000 V, CAT II 600 V
- Three-year warranty

Tender No: 13/UPTTI/2018-19

Tender Specification for Ultra Sonicator

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
4	Tender No:13/UPTTI/2018-19 for Ultra Sonicator	01.00	1500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Specification for Ultrasonic Sonicator

- Capacity 15 Ltr.
- Tank Size 300 X 300 X 150mm(L X W X D) Preferable
- Ultrasonic Power 300Watts
- MOC : Tank SS304L, 16 G and Outer SS304, polished and buffed.
- Frequency 33 khz \pm 3 Khz.
- Transducer: Sandwich type, bonded on base of SS tank, PZT Generator: Micro Controller based generator with latest MOSFET based technology with automatic frequency tuning for maximum output.
- Timer : Digital timer with 0-99 min
- Supply : 220 VAC, 50 Hz, Single Phase
- Heater :To be provided with digital control.
- Drain : To be provided
- Accessories :Tank Lid 304 and Basket
- Special Terms and conditions applied

Tender No: 14/UPTTI/2018-19

Tender Specification for Analytical Balance

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
5	Tender No:14/UPTTI/2018-19 for Analytical Balance	01.50	2500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Tender Specification of Micro balance

Maximum Capacity	220 g
Readability	0.1 mg
Repeatability (Test Weight)	0.1 mg (200 g)
Minimum Weight (USP, 0.1%)	0.16 g
Adjustment	Internal
Display	Backlit LCD
Settling Time	2 s Max
Interfaces	RS232
Housing	Die-cast aluminum, plastic ABS
Linearity	0.2 mg or better
Linearity \pm	0.2 mg or better
Temperature accuracy (\pm)	2 ppm/ $^{\circ}$ C or better
Resolution	0.1 mg or better

Tender No: 15/UPTTI/2018-19

Tender Specification for CRYOSTAT

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
6	Tender No:15/UPTTI/2018-19 for Cryostat	01.00	1500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Specifications for Cryostat

- Size of the bath: 60x60x60cm,
- Temp 0 deg to 95 deg C
- Fully digitally controlled

Tender No: 16/UPTTI/2018-19

Tender Specification for Double Distillation Unit

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
12	Tender No:16/UPTTI/2018-19 For Double Distillation Unit	0.80	nil	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

ALL GLASS DOUBLE DISTILLATION UNIT

Specifications-

- 1.It should give pyrogen free double distilled water with output of 4 litres/hr.
- 2.Double distilled water conductivity should be between 0.8 to 1 microsiemens/cm.
- 3.The boiler and condenser should be of borosilicate glass.Both the boilers should have replaceable silica heater.
- 4.It should have built-in Pressure Temperature switch(PTS) for safety of the boiler.There should be no requirement of a separate auto cut device.
- 5.It should have gate valve to prevent water wastage.
- 6.The entire unit should be mounted horizontally and the boiler should be equipped with quartz Teflon stopcock for easy draining and cleaning of the boiler.
- 7.Company should have after sales service support

Tender No: 17/UPTTI/2018-19

Tender Specification for Heating Mental with Distillation Assembly

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
13	Tender No:17/UPTTI/2018-19 For Heating Mental with Distillation Assembly	01.00	1500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Specifications & Description

- Funnel Dia (in)200 to 300
- Max Flask Size (mL)5000
- MaterialPolypropylene
- Max temperature (° F)842
- Max temperature (° C)450
- Distribution Of Watts Upper Half (watts)360
- Distribution Of Watts Lower Half (watts)600
- Power (VAC)230
- Height (in)7.5
- Width (in)12.75
- Depth (in)15.75
- DescriptionFlask Heating Mantle, 2000 to 5000 MI; 230 V

Tender No: 18/UPTTI/2018-19

Tender Specification for Solar Drier

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
14	Tender No:18/UPTTI/2018-19 For Solar Drier	01.00	1500	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

SEED SOLAR POWERED AIR DRYER, with maximum 8 kgs. wet loading capacity at 14 Kg per square meter of high density material. Dryer with Solar window of 0.37 sq.mtrs. and Solar Drying area of 0.56 sq.mtrs. Non corrosive Aluminum cabinet coated with high temperature powder coating and stainless steel and brass hardware, 2 Nos. stainless steel (SS 304) closed trays of size 532 mm x 532 mm x 20 mm each.

1 Nos. Solar Fans operated on 12V DC,

1 Nos. Solar Photovoltaic Panels

1 Nos. standby 12 AC/DC converters

1 Nos. x 1 KW standby electrical heaters operated on 220V 50 HZ AC supplied with accessories

1. Thermometer – 1 No.

2. Dust Cover - 1 No.

Blue Filter for Shade Drying

Additional 2 nos of Steel trays

Tender No: 19/UPTTI/2018-19

Tender Specification for Digital Micro Volt Meter

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
15	Tender No:19/UPTTI/2018-19 For Digital Micro Volt Meter	00.50	nil	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Tender Specification of Digital Micro-Volt Meter

- **Range** : 1mV, 10mV, 100mV, 1V & 10V with 100% over-ranging
- **Resolution** : 1 μ V
- **Accuracy** : $\pm 0.2\%$ ± 1 digit
- **Input Impedance** : $>1000M\Omega$ (10M Ω on 10V range)
- **Display** : 3½ digit, 7 segment LED with autopolarity and decimal indication
- **Power Supply** : 220V $\pm 10\%$, 50Hz

Tender No: 20/UPTTI/2018-19

Tender Specification for Refrigerator

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
16	Tender No:20/UPTTI/2018-19 For Refrigerator	00.25	nil	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Tender Specifications of Refrigerator

250 L Frost Free Double Door 5 Star rating

Tender No: 21/UPTTI/2018-19

Tender Specification for Variable DC Supply

Sl.No.	Brief Description of the Goods	Estimated Cost (Rs. Lac)	EMD to be Deposited Rs	Tender Publishing Date	Tender Closing Date	Technical Bid Opening Date	Financial Bid Opening
17	Tender No:21/UPTTI/2018-19 For Variable DC Power Supply	00.50	nil	23.01.2019 at 4:00 PM	18.02.2019 at 5:00 PM	19.02.2019 at 11:00 AM	23.02.2019 at 11:00 AM

Specification for Variable DC Power Supply

- Variable Output 0-30V DC & Fixed Output 5V / 2A DC.
- Coarse & fine adjustment setting for both Voltage & Current.
- Fully protected against output short circuit and overload.
- 3 digit display for each Voltage & Current function.