

**NOTICE INVITING TENDER FOR SUPPLY OF NON-CONSUMABLES  
FOR THE DEPARTMENT OF EDUCATION, CENTRAL UNIVERSITY OF  
TAMIL NADU CAMPUS, THIRUVARUR**

**Tender No.02/2017-18  
Date of Issue: 19.04.2017  
Date of closing: 10.05.2017**



**Central University of Tamil Nadu  
Neelakudi Campus  
Thiruvārur-610 005**

## TENDER NOTICE

Central University of Tamil Nadu, Thiruvavur, Tamil Nadu (**herein after referred to as CUTN**) is a Central University established by an Act of Parliament, invites sealed tenders from reputed Original Manufacturers or their authorized agents/ dealers/ distributors for **the supply of Non-Consumables for Department of Education, Central University of Tamil Nadu as per the details provided in Annexure – I.**

### Pre-bid Conference:

A pre-bid conference will be held as indicated in the tender document. All prospective bidders/tenderers are requested to attend the pre-bid conference. In order to facilitate CUTN for proper conduct of the pre-bid conference, all prospective bidders/tenderers are requested to submit their queries with envelope bearing the tender number and date on top and marked **“Queries for Pre-Bid Conference”** so as to reach CUTN well before the date for Pre-bid Conference or by email to [purchase@cutn.ac.in](mailto:purchase@cutn.ac.in) with subject **“Queries for pre-bid Conference”**. CUTN will answer the queries during the pre-bid conference, which would become a part of the proceedings of the conference. All the participating bidders/tenderers shall sign the proceedings. These proceedings will become a part of clarifications/amendments to the bidding documents and would become binding on all the prospective bidders/tenderers. These proceedings will also be published in CUTN website for the benefit of all the prospective bidders/tenderers. Before submitting the bids, all prospective bidders/tenderers are advised to go through the CUTN website after the pre-bid conference, in order to enable/make cognizance of the changes made in the bidding document.

### Important Dates:

Events	Date	Time	Venue
Date of Commencement of Sale of Tender Document	19-04-2017 (Wednesday)	09:30 Hrs. onwards	-
Pre-bid Conference	01-05-2017 (Monday)	12:00 Hrs.	Conference Hall, Administrative Block, Room No. F1-02, (First Floor), CUTN
Last date of sale of Tender Document	09-05-2017 (Tuesday)	15:00 Hrs.	-
Last date of submission of tenders	10-05-2017 (Wednesday)	15:00 Hrs.	-
Opening of Technical Bids	10-05-2017 (Wednesday)	16:00 Hrs.	Conference Hall, Administrative Block, Room No. F1-02, (First Floor), CUTN

## **TERMS AND CONDITIONS FOR PURCHASE**

### **Eligibility:**

1. The Bidder must be an Original Manufacturer (OM) or his Authorized Dealer/ Authorized Distributor/ Authorized Stockiest/ having a Direct Purchase and Support agreement with the OM. In case, if the Bidder is a Dealer/ Distributor, A valid **LETTER OF AUTHORIZATION** from the Original item/Non-Consumable Manufacturer for Dealership, Distributorship or for channel partnership must be attached in original, with technical bid, without which the offer will not be considered.

The following criteria will be applicable: The bidder should have executed (i) three similar works, each of value not less than 40% of the estimated cost put to tender or (ii) Two similar works, each of value not less than 50% of the estimated cost, or (iii) one similar work of value not less than 80% of the estimated cost, during the last 5 years ending on the last day of the month previous to the one in which the tenders are invited.

2. Annual turnover should be a minimum of Rs.15 Lakh during the last three financial years. Audited financial statements or financial statement showing turnover duly certified by a Chartered Accountant to be enclosed as proof of the same.
3. Registration with CST/VAT

**The details provided in Annexure – I** are basic essence of the product. It must be ensured that the offers are strictly as per our item/ Non-consumable list as specified in Annexure - I. The items/ Non-Consumables (Annexure – I) mentioned in the quotation have to be supported with the printed catalogue/ leaflet / standard technical literature/ broacher for each of the item/Non-Consumable offered. Tendered specifications (Annexure – I) should invariably be highlighted in the leaflet/literature for our easy reference.

### **Rates:**

Rates Quoted items must be on **DOOR DELIVERY** Basis, which should be **inclusive** of all taxes, duties and levies. The break up may be given as given below:

Basic Price (+) Central Excise Duty (+) VAT/ CST, if any (+) Freight and Transport, if any (+) Installation and Commissioning Charge, if any (+) Any other charges, if any  
Grand Total on Door Delivery Basis at CUTN, Thiruvarur (i.e., F.O.R Destination basis)

- a) The price quoted shall be firm and fixed. The rate should be quoted both in figures and words.
- b) Where the Non-Consumables is composed of several items/ sub units / components, the rate should be clearly indicated for each of the item/ sub unit/ component.

- c) All applicable taxes, duties etc., should be clearly and separately mentioned in the Price bid.

**Validity of the Offer:**

The offer should be valid for **180 days**.

**Genuine Pricing:**

The bidder has to ensure that the quoted price for CUTN is not more than the Price Offered to any other customer in India to whom this particular item/Non-Consumable has been sold, particularly to Central University/IIT'S/NIT'S or any other Government Institutions. Name and contact details of the educational institutes/ government organizations where the quoted Non-Consumables has been supplied during the last three years should be attached with the Proforma for Technical Bid.

**EXEMPTION FROM EXCISE DUTY AND CUSTOMS DUTY:**

The CUTN is exempted from paying Central Excise Duty and eligible for Concessional Rate of Customs Duty. Wherever required/ applicable, we shall provide exemption certificate issued by Government of India to enable the vendor to clear the goods without payment of Excise Duty or Clearance of Imports at Concessional Rate of Customs Duty.

**PAYMENT TERMS FOR PURCHASES:**

- a) No advance payment will be made. No part payment will be made.
- b) CUTN shall not be responsible for any loss, damages and shortage during transportation. Payment shall be made for materials received in good condition only.
- c) Payment will be generally through Electronics Transfer of Funds (EFT) system for which the successful bidder has to furnish the following information: Name of the bank with branch where the accounts exist, Bank Account Number, IFSC Code etc.,

**Delivery Schedule:**

Unless otherwise specified, delivery of goods at CUTN will have to be made within 45 days from the date of receipt of the Purchase Order or as stipulated in the Purchase Order. All aspects of safe delivery shall be exclusive responsibility of the vendor. Part supply/ delivery is normally not acceptable, but may be allowed on genuine cases, on written request only. However, payment will be made only after full supply.

**Liquidated Damages for delayed supply:**

If the successful bidder fails to perform the supply or supply, installation and commissioning, within the stipulated time then penalty at the rate of 1% per week subject to a maximum of 10% of the order value will be levied and deducted.

**Purchasers' Right:**

Notwithstanding anything specified in this tender document, The Registrar, CUTN, in his/her sole discretion, unconditionally and without assigning any reasons, reserve the rights (a) To accept or reject the lowest tender or any other tender or all the tenders, at any time prior to the award of the tender, without incurring any liability to the affected tenderer or tenderers (b) To accept any tender in full or in part (c) To reject the tender offer not confirming to the tender terms (d) To give purchase preference to Public Sector Undertaking wherever applicable as per Govt. Policy/ Guidelines.

**No enquiry shall be made by the bidder(s) during the course of evaluation of the tender** till final decision is conveyed to the successful bidder. However, the Purchase Committee or its authorized representative can make any enquiry/seek clarification from the bidders. In such a situation, the bidder shall extend full co-operation. Any effort by the bidder to influence the scrutiny / evaluation committee of CUTN or any of its members in the processing of tenders or award decisions may result in the rejection of the tender.

**Black listing:**

The bidder should not have been blacklisted or debarred from participating in tenders in any State/ Central Government agencies or autonomous bodies or Universities / Educational Institutions.

**Arbitration:**

Dispute, if any, arising out of the supply of the Items shall be settled by Arbitration by SOLE Arbitrator to be nominated by the Registrar, CUTN as per the provisions of Indian Arbitration Act 1996. The Place of Arbitration shall be Thiruvavur, Tamil Nadu. The decision of the Arbitrator shall be final and binding on both the parties.

**Applicable law, Dispute and Jurisdiction :**

Legal disputes if any, in connection with this tender/ procurement/ contract, are subject to exclusive jurisdiction of Competent Court in Thiruvavur, (Tamil Nadu, India) ONLY.

**Force Majeure:**

Any delay due to Force Majeure will not be attributable to the Vendor.

**LIST OF LAB NON-CONSUMABLES****Chemistry Laboratory (Non-Consumables):**

S. No.	Item Name	Qty.	Req.Qty
1	Burette Stand with Clamp	Each	60
2	Digital Conductivity Meter Measuring Range 1 Micromho to 106 Micromho (1000 millimho) Measuring Frequency : 50 Hz or 1000 Hz Selectable. Accuracy : + 1% Built in null detector Works on 220V AC	Each	5
3	Cork Borer	Each	1
4	Digital Potentiometer Dual Channel Provision to do two experiments simultaneously. Single display with selector switch. Built-in standard cell of 1.018V.	Each	5
5	Dropper with teat - 6"	Each	60
6	Electronic Balance Top Pan, Calibration:External, Accuracy:0.001g, Capacity:500 g, Pansize:10cm x 100 cm	Each	1
7	Gas Preparation Set - Trough, Gas Jar, Beehive Shelf, Delivery Tube , Boiling Tube	Set	2
8	Hand Centrifuge Machine, 4 x 15ml Normal Tubes, Powder coated Aluminium Metal Body, Max RPM/RCF (Round) 3,000/ 1,077, Dimensions (HxWxD) 11.22" x 5.5" x 6.88" Weight 2lbs	Each	2
9	Induction Stove - Electric	Each	1
10	Pestle & Mortar, 275 ml	Each	15
11	Pipette Stand	Each	6

12	Porcelain Tiles	Each	60
13	Rubber Cork Assorted 100 N0s	Each	1
14	Spatula	Each	60
15	Spirit Lamp	Each	2
16	Sr. Secondary Micro Scale Chemistry Laboratory Kit (specification attached*)	1 Set	1
17	Test Tube Brush	Each	60
18	Test Tube Holder	Each	60
19	Test Tube Stand	Each	60
20	Tripod Stand 8"x4"	Each	60
21	Tongs, SS, 6"	Each	60
22	Water Still Sub Type : Manesty Type Capacity : 5-6 Ltr/hour Body : Aluminium Phase : Single	Each	1
23	Wire Guaze	Each	60

**\*Sr. Secondary Microscale Chemistry Laboratory Kit - Technical Specification**

S. No	Item Name	Specification	Quantity
1	Wooden Box with Revolving Top packed in 8-ply cardboard carton	Wooden Box of Medium Density Wood Fibre (MDF) material, Grade II (Red Colour), with bonded rubber wood, thickness 11 to 12 mm : Box size Door side 13", Height 12", Rest sides 14", two inside partitions, two doors with 02 pockets, magnetic locking of two doors, two sides open, painted bottle green. Revolving Top : height 90 mm, two steps square top painted white with ball bearing system having 30 holes of diameter 25 mm for keeping 15 mL bottles and 20 holes of diameter 16 mm for keeping vials. As per sample.	01 No.
2	Micro Beaker	Borosilicate glass, capacity 10 mL, height 34 mm diameter 25 mm.	12 Nos.
3	Beaker(50 mL)	Borosilicate glass, capacity 50 mL, height 56 mm, diameter 42 mm. with Graduation.	03 Nos.
4	Micro Filtration	Borosilicate glass, Boiling Tube : height 80 mm,	02 Nos.

	Unit	diameter 20 mm, having side tube for fitting rubber bulb, Small rubber bulb, rubber cork to fit on the boiling tube, Hirsch funnel - 01 number. As per sample.	
5	Micro Test Tube	Borosilicate glass, height 45 mm, diameter 10 mm. with rim.	24 Nos.
6	Micro Titration Flask	Borosilicate glass, height 50 mm, capacity 25 mL. As per sample.	04 Nos.
7	W -Tube	Borosilicate glass, 2 mm thick x 8 mm dia having length of arms 70-75 mm, with wide mouth in one arm. As per sample.	10 Nos.
8	Round Bottom Flask	Borosilicate glass, capacity 35 mL, short neck with rubber cork. As per sample.	02 No.
9	Stirrer	Soda glass with circular flat end, length 100 mm x 4 mm dia. As per sample.	02 Nos.
10	Droppers fitted with (i)02 mL Syringe (ii)and micro Bulb	Borosilicate glass, (i)length 100 mm, capillary length 50 mm, diameter 06 mm,(ii) length 50 mm, capillary length 25mm, diameter 06mm As per samples.	03 each
11	Chromatographic Jar with Cork	Soda glass, height 175 mm, diameter 30 mm. As per sample.	01 No.
12	Micro Burettes Packed in 6-ply cardboard carton containing four burettes	Borosilicate glass, capacity 05 mL, rotating screw type flow stop cock with Poly Tetra Fluoro Ethylene (PTFE) key and cup, sub division 0.02 mm, fitted with micro tip (capacity 2-200 micro litre). As per sample.	04 Nos.
13	Glass Rod	Soda glass, length 100 mm, diameter 4 mm.	02 Nos.
14	Alcoholic Thermometer	Glass, alcohol filled, graduation 0 - 60° C, sub division 0.1° C.	01 No.
15	Mercury Thermometer	Glass, mercury filled, graduation 0 - 250° C, sub division 1.0° C. As per sample.	01 No.
16	Dispensing Bottle	Low Density Poly Ethylene (LDPE), Capacity 15 mL, with screw type cap and nozzle. As per sample.	30 Nos.
17	Pasteur Pipette	Low Density Poly Ethylene (LDPE), capacity 03 mL.	20 Nos.
18	Micro Test Plate/Well plate	Polystyrene (PS), with 96 wells.	04 Nos.
19	Wash Bottle	LDPE, capacity 125 mL.	02 Nos.
20	Volumetric Flask	Borosilicate glass, with inter changeable stopper,	02 Nos.



		capacity 25 mL. As per sample.	
21	Petri Dish	Soda glass, without cover, diameter 96 mm.	02 Nos.
22	Capillary Tube	Soda glass.	01 Box
23	Watch Glass (Small)	Soda glass, diameter 50 mm.	02 Nos.
24	Micro Funnel	Soda Glass, diameter 32 mm. x overall size 80mm.	02 Nos.
25	Fusion Tube	Soda glass, diameter 05 mm, length 40 mm.	20 Nos.
26	China Dish	Diameter 85 mm. As per sample.	02 Nos.
27	Micro Measuring Cylinder	High Density Poly Ethylene (HDPE), capacity 10 mL.	02 Nos.
28	Vials	High Density Poly Ethylene (HDPE), height 55 mm, diameter 15 mm.	20 Nos.
29	Multimeter	Pocket size, digital, high impedance. As per sample.	01 No.
30	Micro Spatula	Stainless steel. Allover length 100mm.	02 Nos.
31	Forecep	Stainless steel, length 100 mm.	02 Nos.
32	Micro Test Tube Brush	Soft hairs for cleaning 4mL test tube.	02 Nos.
33	Circular Whatman Paper	Diameter 125 mm. good qualities.	20 Nos.
34	pH Paper (01 Paper Box containing 10 booklets)	Universal indicator. As per sample.	01 Paper Box
35	Micro Test Tube Holder	Wooden handle for hold the 10mm test tube.	02 Nos.
36	Calorimeter with 50 mL capacity Beaker	Borosilicate glass, 50 mL capacity, beaker fitted in Low Density Poly Ethylene (LDPE) foam sheet. As per sample.	01 No.
37	Tripod	Aluminium top 63 mm dia x 15 mm thick three blind hole dia 10 x 10 mm depth to hold test tube. Attach with three legs 4 mm dia x 165 mm and total length 180mm. As per sample.	02 No.
38	Heating Block	Alumunium, 63 mm diameter X 55 mm height, 02 holes dia 6mm x 30 mm deep, and split fitted with handle : Mild Steel Rod 06 mm diameter X 130 mm length. One 0.5mm deep cut on face for capillary tube. As per sample.	01 No.
39	Two - Way	For Base : Mild Steel Sheet 140 mm X 160 mm X 16	02 Nos.

	Burette Clamp and Stand	SWG. For Stand : Mild Steel Rod 06 mm diameter, 280 mm length. Mild Steel Nut 06 mm, Fly Nut 06 mm, 06 mm Washer. Spring Steel Strip 80 mm X 08 mm X 20 SWG to hold 02 burettes. As per sample.	
40	Electrodes Copper	Copper strip, length 80 mm, width 5 mm. x thickness 1 mm.	01 No.
41	Electrodes Zinc	Zinc strip, length 80 mm width 5 mm x thickness 1 mm.	01 No.
42	Micro Test Tube Rack	Perspex sheet size 100 mm X 27 mm X 12 mm 04 blind holes -----to hold Micro Test Tubes. As per sample.	02 Nos.
43	Kerosene Burner	0.4 mm thick plated tin sheet container dia 75 x 55 mm height fitted with container lid locked with four aluminium wick holder dia 6.3 x 42 mm height. Cover with ebonite insulator and aluminium spacer to lock the container lid and chimney holder inside dia 45 mm x 5 mm height. MS sheet plated with centre 20 mm dia seam hole attached with inner chimney dia 20 mm inside x 56 mm height. Fitted with 0.4 mm thick plated cap. Outer chimney dia 45 mm x 56 mm height MS sheet 0.63 mm thick plated fitted with chimney holder. Both chimney at crossing points holes dia 1.5 distance 6.5 x 5.6 mm. Overall Burner As per sample	02

**Physics Laboratory (Non-Consumables):**

S.No	Item Name		Item Description	Qty
1	Micrometer Screw Gauge	C.P Gun Metal Body and Nicely threaded steel C.P or Oxidised rod.Most Accurate		
			Pitch 1m, 15mm	4
			Pitch 1/2 mm , 15mm	4
			Pitch 1mm, 20mm	4
			Pitch 1/2mm, 20mm	4
2	Spherometer	Gun Metal C.P scale and Disc fitted with nicely threaded steel C.p or oxidised rod and legs, large size superior - 1/100mm	1/100mm	4
			1/200 mm	4
		Demonstration Model of Spherometer:Disc dia 15 cm,made from aluminium silver alloy, superior	15 cm	2
3	Optic Lever	On Bakelite Base		2
4	Physical Balance	Varanasi type with 7 stone Agates, fitted in nicely polished teak wood case with sun mica base and double divided doors,capacity-250 gm,sensitivity -1mg		2
5	Balance Bridge		Wooden	4
4	Digital Electronic Balance	Electronic Balance Model:BL220H Type: Top Pan, Calibration: External ,Display-1 mg/0.001 g ,Capacity:220 g,Pansize:100x100		1
5	Spring Balance	Fine Acrylic tube	Brass Scale	
			100g	2
			250 gm	2
			500g	2
			1kg	2

			2kg	2
6	Spring balance	Dial type-50kg	Dial type-50kg	1
7	Physical Weight Box	Brass C.P Weights in nicely polished seasoned wooden box, tested accurate		
			100g	4
			200g	2
			500g	2
			1000g	2
8	Physical Gram weight spare	Brass C.P	1g	4
			2g	4
			5g	4
			10g	4
			20g	4
			50g	4
9	Fractional Weight Set	Any weight from 1 mg to 500 mg in one dozen	Brass 1mg to 500	5
		Riders:10mg accurate	Riders : 5 or 10 mg in Round PVC Box Pack	2
		Forceps: Brass C.P thick for weight boxes	Forceps :Brass NP (SP Quality)	2
10	Slotted Weight	Brass CP Set of 5 with Hanger	Brass CP Set of 5 with Hanger	
			5gx5	2
			10gx5	2
			20gx5	2
			50gx5	2
			100gx5	2
11	Reading telescope	College Pattern, focussing from one meter to infinity, provided with high class optical combination and brass C.P fittings on nicely duco Printed round cast iron base with levelling screws, complete with Perspex scale		2

12	Travelling Microscope	College Grade, Comprising 17cm and 15cm stainless steel scales, Vernier reading to 0.01mm, provided with superb optical combination and superior fittings with heavy base, nicely finished in metallic grey and black contrast, housed in 12 mm thick beautiful storing cabinet with sun mica door. With high class Ramsden eye piece with cross line graticule for better performance and durability		2
13	Travelling Microscope	compact form with all the necessary arrangements for conducting Newton's ring Experiment. A standard microscope unit with 30x Magnification and rotatable cross line, complete with beautiful storing cabinet	Newton Ring's	2
13	Travelling Microscope	Senior College Grade, Comprising 22 cm and 15cm stainless steel scales with special arrangements for transverse Movement of the Microscope, with Special arrangements for transverse movement of the microscope, with superb optical combination and gun metal fittings with heavy base, nicely finished in metallic grey and black contrast, housed in 12mm thick beautiful storing cabinet with sun mica door with high class Ramsden eye Piece with cross line graticule for better performance and durability		2
14	Metre Scale		1 metre- Wooden	5
15	Metre Scale		0 centre	5
16	Vernier Calliper	Steel C.P With wheel motion Range 12.5cm and 5" with depth gauge	5" CP with wheel	5

		Range 15 cm and 6" with fine and clear graduation in velvet lined case	IME Type with Velvet Case	3
17	Pendulum Bobs	Set of 6 Different metals		
			12mm	2
			18mm	2
			25mm	2
18	Pendulum Bobs	With hook	Iron	
			12mm	2
			18mm	2
			25mm	2
	Pendulum Bobs	With hook	Aluminium	
			12mm	2
			18mm	2
			25mm	2
19	Pendulum Bobs	With hook	Lead	
			12mm	2
			18mm	2
			25mm	2
	Pendulum Bobs	With hook	Brass	
			12mm	2
			18mm	2
			25mm	2
	Pendulum Bobs	With hook	Zinc	
			12mm	2
			18mm	2
			25mm	2
20	U Tube Apparatus	for use as a manometer with glass U-Tube fitted on wooden stand with 45cm long scale 0 at its bottom with borosilicate glass tube		2
21	Hare's Apparatus	A three limbed glass tube mounted on polished wooden stand with 45cm long scale with 0 at the bottom with borosilicate glass tube		2
22	Pascal's Law Apparatus			1
23	Spirit Level	Brass Rod Heavy CP		
			2"	1
			4"	1
24	Viscosity Apparatus	Acrylic Tube		1

25	Constant Volume air thermometer			1
26	Aneroid barometer		4" Demonstration Type	2
27	Simple Pendulum	A Pendulum Bob, 25mm dia with hook, having hanging arrangement on nicely powder coated sturdy metallic Base 7x5x24" with brass pendulum bob	Complete Set	4
28	Compound Pendulum	Steel C.P bar 100x3.75cm, bored at equal intervals provided with removable Knife Edge and Bracket	Complete Set	4
29	Fly Wheel		Moment of Inertia	
			Wheel 20 cm with Rev Counter	2
			Wheel 25 cm with Rev Counter	1
30	Inclined plane		Graduated Arc Type	4
31	Fortin's Barometer: Teak Wood Case	With metric and English system scales reading 25" to 32" and 64 cm to 81cm with reflectors behind scale and cistern. Vernier operating with rack & pinion, reads 0.1" and 0.1cm, with brass pipe and fittings with borosilicate glass tube but without mercury		1
32	Laboratory Thermometer "Dimple" Mercury		0/200°C x 1°C	1
			0/300°C x 1°C	1
33	Linear expansion apparatus	vertical and horizontal type .specially designed to measure the linear expansion of metals with the help of optical lever as well as spherometer with brass C.P Pipe		1

34	Newton's Law of cooling Apparatus	Set of two units, brass C.P Superior		1
35	Searle's Thermal Cond. Apps.: 30x2.5 cms.	It consists of a Copper rod with its one end surrounded with a steam jacket for heating it from a boiler and the other end is kept cool by a stream of water floating through a spiral tube fitted to that, without thermometer		1
36	Thermocouple : on wooden base	Iron and copper wires, fitted on wooden base	Iron Copper	2
			Copper Constant	2
		Antimony and Bismuth, V Shaped, fitted on Bakelite base with terminals	Antimony Bismuth	2
37	Hooks Law Apparatus :	Fitted on Sturdy metal stand with mirror scale and hanger but without weights	w/o weight	2
			W/Weight Brass	2
			w/o weight : Size 12"	2
38	Bending of Beam Apparatus	Comprises a steel C.P bar one meter long, rests on the knife edge of 2 heavy table clamos.Hanger with knife edges supports to rest on the beam ,with spherometer attachment and electric contacts but without weights		2
39	Torsion Pendulum : 12.5 cm Dia	A carefully turned brass disc 125 mm dia and 12 mm thick is provided with a split chuck in the centre. An aluminium ring of dia exactly 125 mm has two pins which fit into two cavities in the disc so that the edge of the ring is in flush with the edge of the disc complete with wall bracket.		1
40	Double Inclined Plane :	1 meter long		2



41	Young's Modulus Appts.	it consists of two nicely duco painted frames connected by a link. The frames are fitted with spirit level,spherometer and self centring chucks.completw with 4 chucks, ceiling attachment and tension weight		1
42	Stop Clock	New standard clock movement with start,stop and fly back action with beautiful dial,fitted in nicely painted metal case		4
43	Stop Watch			1
44	Optical Bench	one meter long for advanced research work,consists of two steel rode supported on heavy cast iron feet,provided with 4 metal sliders and accessoried ,two of the sliders have transverse motion ,superior with steel bright chromium plated rods	College pattern with Metal Rider	2
45	Wire Gauge Screen	V Shape,made from soft wood, superior	Teak Wooden 15x5 cm	4
46	White Screen	In wooden frame,both side sun mica	Wooden with Sun mica	4
47	Universal Lenses Holder	w/o stand-Metal	w/o stand-Metal	4
48	Polaroid	set of two identical unite to fit over the object end of telescope and collimator of spectrometric velvet lined case	A Pair of 50mm Dia	2

49	Spectrometer Student's Regular Quality	College grade ,Designed to give maximum accuracy. Protected circle 15cm is read by two opposite Vernier's the collimator tube and telescope are adjusted to be collinear provided with stainless steel scale and superb optical combination, finished in fine metallic grey and black contrast, housed in 12mm thick beautiful storing cabinet with sun mica door with high class Ramsden eye piece with cross line graticule for better performance and quality		2
50	Diffraction Grating Superior Quality 38x50mm	Hilger and watt type, Size 38 x 50 mm.app.15000 lines per inch		2
51	Sodium Vapour Lamp 35 watts	Workable on 230 volts A.c with on/off switch,output socket and jewel light	with Transformer & wooden box complete set	2
52	Mercury Vapour Lamp Complete Set	with Chok & Wooden Box		2
53	Glass Prism		Equilateral Angled 1½" Indian	5
54	Prism : 25 x 25 mm H.T.		Borocilicate Crown Glass (1.51 RI)	2
			Extra Dense Flint Glass Prism 1.65	2
55	Different Angle's Prisms : 32 x 32 mm		(i) Angles 5x5x170, 10x10x160, 15x15x150, 20x20x140	1
56	Glass Slabs :		75 x 50 x 12 mm	5
			100 x 50 x 18 mm	4
57	Mirror Concave or Convex Highly Silvered Optically		2"	5
			3"	5
			4"	5

58	Lenses		Dia 2"	
	Double Convex		f=5 to 6 cm	5
			f=15cm	5
			f=20 to 100cm	5
	Double Concave		Dia 2"	
			f=5 to 6 cm	5
			f=15cm	5
			f=20 to 100cm	5
59	Air Wedge Plate: 75 x 25 x 3mm		75 x 25 x3 mm	2
60	Direct Vision Spectroscope with velvet case			1
61	Resonance Apparatus : All Metal		25 mm dia steel/cp	2
			25mm Dia Brass	1
62	Bar magnet		1(1/2)"	5
			2"	5
			Cobalt Steel 2"	1
63	Magnetic Needles	Metal Stand - 7.5cm Superior		5
64	Magnetic Compass All Brass 38 mm	Highly magnetised needle in aluminium case		2
65	Compass for Deflection Galvanometer	with anti parallex mirror and sensitive needle		2
	Compass for Tangent Galvanometer	with anti parallex mirror and sensitive needle		
66	Simple Cell (Voltaic Cell) with complete set	provided with a bulb on top with connections to copper and zinc plates.very useful to study the construction and characteristics of voltaic cell		2
67	Daniel's Cell with complete set	Jointless stout copper vessel with side brass terminal empty porous pot and thick zinc rod .superior		2
68	Lechanchie's Cells with complete set	Charged porous pot with brass terminal having E.M.F exactly 1.5volts,complete with thick Zinc Rod and high quality PP Jar		2
69	Crocodile Clip : Red or Black(Pkg. in 50 pairs)			1

70	Ballistic Galvanometer	OSAW Type for measurement of small quantities of electrical charge ,Robust and rigid in construction, easy to operate ,provided with zero adjusting and locking devices	100 ohms	1
71	Galvanometer with Stand DC 30-0-30	D.C 65 mm Dia.Accuracy class index $\pm 2.5$ F.S.D., Fitted in beautiful deluxe desk stand with lock type front terminals,ranges are available:30-0-30		2
72	Am-Meters with Stand DC 1.5 to 10 Amp.	D.C 65 mm Dia.Scale length $55 \pm 2$ mm,overall size 85 mm accuracy class index $\pm 2.5$ F.S.D ., Mounted in beautiful deluxe desk stand with lock type front terminals.		2
73	Milli-Ammeter with Stand DC 250 to 500 mA			2
74	Micro-Ammeter with Stand DC 0-25 to 500 $\mu$ l			2
75	Voltmeter with Stand DC 1.5 to 300 Volts	D.C 6.5 mm dia accuracy class index $\pm 2.5$ F.S.D Fitted in beautiful deluxe desk stand with lock type front terminals		2
76	Milli-Voltmeter with Stand DC 250, 500 mV	D.C 6.5 mm dia accuracy class index $\pm 2.5$ F.S.D Fitted in beautiful deluxe desk stand with lock type front terminals		2
77	Multimeter Analogue Regular Quality			2
78	Multimeter Digital		M830 B Model	2
79	Tangent Galvanometer: Aluminum	having 3 standards winding 2,5,50 or 2,50,500 with sensitive compass box,aluminium and brass parts		2
80	Copper Wire (D.C.C.) Dbl. cotton covered for connections		SWG22 (500 gm)	1
			SWG 24 (500 gm)	1
81	Nichrome Wire : Resistance Wire		SWG 24 (500 gm)	1

82	Resistance Boxes (7/16" Square Block Brass) Constant	with 12mm thick rectangular gun metal heavy blocks and silk covered non inductive windings, coils are connected with double nut system and fitted in spray painted teak wood box, standard quality accuracy $\pm 0.05\%$ to 0.1 %	0.1 to 1 ohms	1
			0.1 to 10 ohms	1
			0.1 to 100 ohms	1
			1 to 100 ohms	1
83	Post Office Box		4 Dial (Constant Coil)	1
			Mang Coils (4 Dial)	1
84	Metre Bridge		Brass fitting 2 gap Sunmica Base	2
85	Potential Meter		4 Wires Teak Wood College Quality	2
			With Pencil Type Kockey	1
86	Rheostat		4.3 C dia Tube	
			Size 15	2
			Size 25	2
87	Commutators : Round Four Way Plug Key			5
88	Copper Volta Meter Complete			2
89	2 MHz Gen. Purpose Oscilloscope			1
90	Regulated Power Supply For		Diode/Triode Experiments 300V at 30mA	2
91	Battery Eliminators: Input: 220Volts, Output: 12Volts DC		1 Amp	1
			2 Amps	1
92	Step Down Transformers: Input: 220V, Output: 12Volts AC		1 Amp	1
			5 amps	1
93	Step Up Transformers			1

## TENDERING PROCESS

1. The tender document and terms and conditions can be downloaded from our website [www.cutn.ac.in](http://www.cutn.ac.in);
2. The bidder is required to furnish a Demand Draft or a Bank Guarantee (**Annexure-V**) for Earnest Money Deposit (EMD) @2.5% on estimated value and that shall be interest free. The amount of EMD is mentioned at **Annexure-IV**.
3. Without EMD, the technical bid will not be opened and the tender will be rejected summarily.
4. The sealed tender should be submitted on or before **10.05.2017 at 3.00 P.M.**, through post or hand delivery and addressed to the Central University of Tamil Nadu, Neelakudi Campus, Thiruvarur-610 005, Tamil Nadu.
5. At the first stage, the envelope containing EMD amount of Tender document will be opened and at the second stage the envelope containing Technical Bid will be opened on **10.05.2017 at 4.00 P.M** in the presence of the bidders or their authorized representatives, who choose to be present at the time of opening.
6. At the time opening of Tender opening, the name of those who have submitted their offers along with the detail of their remittance of EMD will only be read out and no other information/ details whatsoever will be shared at this stage.
7. If in any case, unscheduled holiday occurs on prescribed closing/ opening date, the next working day shall be the prescribed date of closing/ opening.
8. At the third stage, price bid of the technically acceptable offers will be opened for further evaluation and ranking for award of the contract/ purchase order.
9. The bidders are advised to go through the tender documents and understand the terms and conditions specified therein before submitting the tender.
10. The Tender document consisting of Technical Bid, along with all annexures to the technical bid- (**Annexure II**) and Price Bid- (**Annexure III**) should be submitted in the Prescribed Format only.
11. The bidders are not allowed to make addition or alteration in the tender document.
12. Each and every page of the submitted bid shall carry the page numbers. (Including all supporting documents enclosed with the tender document) and the declaration for the same shall be submitted by the bidder as (**Annexure VI**).
13. All pages of the tender document shall be signed by the person or persons duly authorized to sign, on behalf of the bidder.
14. No paper / page shall be detached from the tender document. No addition or alternation should be made in the tender document. Conditional tender, late and delayed tender will not be accepted/ considered.
15. Printed condition at the back of the letter or bid from the tenderer will be ignored. If it is desired to apply any particular condition to tender, that must be clearly brought out in the body of the bid/ tender itself.
16. The CUTN shall not be responsible for any postal delay in receipt of the offer. Tender should be properly sealed.
17. The bidder shall ensure proper sealing of the covers containing tenders.

18. The offers submitted by telex/ telegram/ fax/ E-mail etc. shall not be accepted and will be summarily rejected.
19. The Vendor should stamp and sign on each page of the technical and price bid.
20. Offers should be clearly written or typed without any cutting or over writing. All cutting / over writing must be initialed and stamped.
21. Bidders must confirm the acceptance of all the terms and conditions of the tender.
22. Making misleading or false representation in the bid document will lead to disqualification of the bidder resulting in forfeiture of EMD amount.
23. The tender should be submitted through Registered Post or Speed Post or courier or through Hand delivery.
24. Any non-acceptance or deviations from the terms and conditions must be CLEARLY mentioned. However, bidder must note that any conditional offer or any deviation from the terms and conditions of this tender may render the bids liable for rejection.
25. **Earnest Money Deposit (EMD):** The Tenders/ Bids must be accompanied by Earnest Money Deposit. Tenders without EMD will not be entertained. The bidders who are registered with National Small Industries Corporation (NSIC) & Micro & Small Enterprises (MSEs) are exempted from EMD and tender. However, for claiming this exemption, the bidders MUST furnish an attested copy of the exemption certificate indicating Date of registration, date till registration is valid, whether registered for items for which tender has been submitted. The EMD shall be in the form of Demand Draft Drawn, in favour of **Central University of Tamil Nadu**, payable at **Thiruvarur**. The EMD may also be in the form of Bank Guarantee (**Annexure-V**). The EMD of all the unsuccessful bidders will be returned to them at the earliest after issue of purchase order.

**SPECIAL INSTRUCTIONS TO THE BIDDERS**

**Procedure for sealing and marking of bids:** The Tender / Bid Cover shall contain the following:

- a) **FIRST** envelope should contain the Earnest Money Deposit. The envelope should be sealed and super scribed as “EMD COVER”
- b) **SECOND** envelope should contain the Technical Bid along with enclosures desired in the Tender document. This envelope should be sealed and super scribed as “TECHNICAL BID” Cover.
- c) **THIRD** envelope should contain the Price Bid. This envelope should be sealed and super scribed as “PRICE BID” Cover.
- d) All the above mentioned THREE SEPARATE ENVELOPS are to be sealed and kept in one single Larger size outer envelope (**FOURTH** envelope) which should also be sealed and super scribed.
- e) **Each of the FOUR ENVELOPS** shall be super scribed with following details:

Tender reference Number .....for supply of ..... Due date of tender .....and time ..... Name of the Tender Inviting Department CUTN ..... Name and Complete address of the Bidder .....
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- f) If all the THREE inner envelopes and the ONE outer envelope (i.e., larger envelope) are not sealed and marked as instructed, CUTN will assume no responsibility for the misplacement or opening of any of the envelope accidental.
- g) There shall NOT be any price indication in the technical bid. If for any reason, it is found that the technical bid reveals the price bid related details in any manner whatsoever, or, the price bid is enclosed in the envelope super scribed, “Technical Bid”, the bid document will be summarily rejected in the first instance itself. Any offer containing both the Technical bid and Price bids in the same envelop will also be out rightly rejected.



**TECHNICAL BID PROFORMA****PART-A****(Company Profile)**

1.	Name and address of the Supplier with Phone No. and E-Mail ID, if any	:	
2.	Registration Number and date of registration of company/cooperative/ agency, if any	:	
3.	Year of Establishment	:	
4.	Type of Organization (Whether proprietorship, partnership, Private Ltd. Company or Co-operative body etc. In case the applicant is a non-individual, Certified copy of a Partnership deed/ Certificate of Incorporation/ Certificate of Registration issued by the Registrar of Cooperative Societies/ as the case may be enclosed)		
5.	PAN Number (photocopy to be enclosed)		
6.	Service tax, Sales tax/VAT Regn. No. (Number & photocopy of certificates to be given)		
7.	Details of EMD DD/PO No. & date Drawn on Bank		
8.	Length of Experience in the field	:	
9.	Experience in dealing with Central Educational Institutions/ Govt. Departments (Indicate the names of the Department and years of dealing with those Departments and attach copies of contracts order placed on the firms).		
10.	Annual Turnover (Rs. In Lakh) Audited financial statements of financial statement showing turnover duly certified by a Chartered Accountant should be furnished for the last three Assessment years.		2014-15 : 2015-16 : 2016-17 :
11.	<b>Service Support in India:</b> Track record of service provided to clients with supporting documents for past three years.		
11.	Additional information, if any (Attach separate sheet, if required)	:	

Signature and Seal of the bidder

**PART-B**

**(Items profile-To be filled by the bidder)**

The detailed description of the items/Non-Consumables should be mentioned and duly signed in each page by the bidder.

**Signature of the Bidder**

**Date:**

**DECLARATION BY THE BIDDER**

1. It is hereby declared that I/ we the undersigned, have carefully read and understood the terms and conditions of the tender document and it is certified that all the terms and conditions of the tender are acceptable to me/ us and I/ we will abide by the conditions.
2. The information / documents furnished along with our technical bid are true and authentic to the best of my/ our knowledge and belief. I/ we hereby declare that our proposal is made in good faith, without collusion and fraud. No forged / tampered documents are produced with the tender form for gaining unlawful advantage. We understand that CUTN, Thiruvarur is authorized to make enquiry to establish the facts claimed and obtain confidential reports from clients.
3. I/ We / am/ are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of our tender at any stage besides liabilities towards prosecution under appropriate law.
4. We understand that CUTN, Thiruvarur is not bound to accept the lowest or any bid that CUTN may receive.
5. Neither I/ We, nor anybody on my/ our behalf will indulge in any corrupt activities/ practices in my / our dealing with the CUTN, Thiruvarur.
6. Each page of the tender document and papers submitted by me/ us is authenticated, sealed and signed and I/ We take full responsibility for the entire documents. I/ We certify that the tender has been submitted in Official Tender Format only and no addition / modification / alteration has been made in the original tender document.

**Authorized signatory of Bidder with Seal**

**Name.....**

**Designation.....**

**PRICE BID PROFORMA**

1. The Price of the item/Non-Consumable as in **Annexure-I** is to be given individually in the format mentioned below:

<b>Sl. No.</b>	<b>Name of the Item/ Non-Consumable</b>	<b>No. of Units/ Sets</b>	<b>Cost per Unit/ Set</b>	<b>Total Cost (Inclusive of all taxes &amp; delivery Charges)</b>
1	List of items/ Non-Consumables as per <b>Annexure-1</b>			
<b>Grand Total (Inclusive of all taxes) (In Figures) (In Words)</b>				

2. The Price quoted for each items/Non-Consumables must include all costs associated with packing, transportation, transit insurance, all duties and levies, delivery of materials, loading and unloading on **DOOR DELIVERY** basis to the university at Thiruvapur including its installation, commissioning, integration and validation.
3. Maximum educational discount as could be offered should be mentioned.

**Note: It is mandatory to indicate the full name, make / brand of the items quoted (in addition, a brochure of product information may be attached along with).**

**Signature and seal of the bidder**

**PRICE BID PROFORMA**  
**QUOTATION BREAKUP**

S. No.	Name of the Item/ Non-Consumable	Qty.	Cost Per Unit (INR)	VAT/ CST	Transportation/ Freight Charges up to University	Other Charges if any.	TOTAL
1.	List of items/ Non-Consumables as per Annexure-1						
Grand Total (Inclusive of all taxes)(In Words)							

**Note:** This Proforma will be the part of Commercial Bid Proforma.

**Signature and seal of the bidder**

**Annexure-IV**

**List of Items/Non-Consumables to be supplied**

<b>Sl. No.</b>	<b>Name of item/Non-Consumable</b>	<b>No. of Units.</b>	<b>Estimated Value (In Rs.)</b>	<b>EMD Amount (In Rs.)</b>
1	List of Items/ Non-Consumables as per <b>Annexure-1</b>		5,90,547	15,000

**MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD**

Whereas .....  
(hereinafter called the "tenderer") has submitted their offer dated.....for  
the supply of .....  
(hereinafter called the "tender") against the purchaser's tender enquiry No.....  
..... KNOW ALL MEN by these presents that WE .....  
.....of ..... having our registered office at  
..... are bound unto  
..... (hereinafter called the "Purchaser) in the sum of  
..... for which payment will and truly to be made to the  
said Purchaser, the Bank binds itself, its successors and assigns by these presents.  
Sealed with the Common Seal of the said Bank this..... day of  
.....2017

**THE CONDITIONS OF THIS OBLIGATION ARE:**

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
  - a) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date

.....  
(Signature of the authorized officer of the Bank)

.....  
.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

**Declaration**

We hereby undertake that there are \_\_\_\_\_ pages, serially numbered, in the submitted tender including the supporting documents.

**(Please number all the pages including blank page, if any)**

**Signature and seal of the  
bidder**