

SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING

PAPPANAMCODE, TRIVANDRUM – 695018

TEL: 0471-2490572, 2490772, FAX: 0471-2493920

Web: www.sctce.ac.in, E-Mail: principal@sctce.ac.in

NOTICE INVITING TENDER

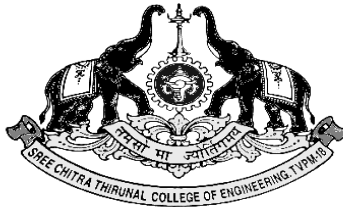
No. 2415/AC1/ 2017/SCTCE

Dated: 06-07-2018

Sealed Tenders are invited for the Procurement of electronic equipments for implementing the project entitled 'Design & Development of a Holographic Data Storage System' under TDAP Scheme of Kerala State Council for Science, Technology & Environment for which the details are as follows:-

Last date of sale of Tender form	: Up to 15:00 Hrs. of 26.07.2018
Submission of Tender form	: Up to 15 :00 Hrs. of 26.07.2018
Date of opening of Tender	: At 15 :30 Hrs. on 26.07.2018

Tender forms containing terms, conditions and technical specification can be obtained from the College Office on any working day up to 15:00 hrs. of 26.07.2018 at the rate of Rs.1000/-. Copy of Cash Receipt for the purchased Tender Documents from this office may be submitted along with the tenders. Those bidders who download tender forms containing terms and conditions from the College Website may submit the Cost of Tender Forms in as separate Demand Draft taken from any nationalized Bank favouring "The Principal, Sree Chitra Thirunal College of Engineering" payable at Thiruvananthapuram, along with the Tender.



SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING

PAPPANAMCODE, TRIVANDRUM – 695018
TEL: 0471-2490572, 2490772, FAX: 0471-2493920
Web:www.sctce.ac.in, E-Mail: principal@sctce.ac.in

INVITATION OF TENDERS FOR SUPPLY OF GOODS / SERVICES

Date: 06/07/2018

1. Tender Reference No. : 2415/AC1/2017/SCTCE
2. Last date for receipt of quotation : 26/07/2018; 03:00 PM
3. Date & Time of opening of Quotation : 26/07/2018; 03:30 PM
4. Quoted rates should be valid for : 90 days
5. Address to which quotations are to be sent: THE PRINCIPAL,
SREE CHITRA THIRUNAL COLLEGE
OF ENGINEERING,
PAPPANAMCODE,
THIRUVANANTHAPURAM - 18

The envelope will also bear the following identification:-

Tender for the Procurement of electronic equipments under TDAP Scheme of KSCSTE

Tender No: 2415/AC1/2017/SCTCE

Do not open before: 26/07/2018; 03:30 PM.

CONDITIONS OF TENDERS FOR THE SUPPLY OF GOODS / SERVICES:

1. Bidders have the option to quote for all the items or a part thereof. Bids may be send in sealed covers with the tender reference number and last date for receipt of tenders duly super scribed on the cover.
2. Incomplete and late tenders are liable to be rejected summarily.
3. Amount of EMD is 1% of the total cost of goods quoted subject to a maximum of Rs. 5000/- in the form of a crossed demand draft, favouring Principal, Sree Chitra Thirunal College of Engineering, Thiruvananthapuram. Unsuccessful bidder's EMD will be discharged/ returned as promptly as possible, but not later than 30 days after the expiration of the period of bid validity prescribed by the Purchaser. The successful Bidder's EMD will be discharged upon the Bidder signing the Contract and furnishing the performance security. The EMD may be forfeited:
 - (i) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
 - (ii) in case of a successful Bidder, if the Bidder fails to sign the Contract; or to furnish performance security
4. Tenders shall contain the complete specifications and brand names. Printed brochures and a list of reputed customers should be submitted, wherever applicable.
5. 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.
6. All duties, taxes, license fees, packing and forwarding charges (if any), and other levies payable until delivery at the destination shall be included in the price. All such price components may be shown in the quotation.
7. The Bidder shall assure the support and supply of spares for at least three years for the products quoted after the warranty/ guarantee period. If the Bidder is not the manufacturer, then the manufacturer on his letterhead should give above commitment.
8. Bidder should be an ISO certified manufacturer or should be authorized business partner and service provider of ISO certified manufacturer or authorized agent of manufacturer. The item quoted should be internationally recognized and branded.
9. The Bidder should submit the proof for running the business and/or necessary service centre for the last three years. Bidder shall not **assign or sublet** the contract to any other sub-vendor.
10. Tenders containing conditions like "subject to prior sale" may not be considered. Period within which the items can be supplied on placement of firm order should be clearly mentioned.
11. Sree Chitra Thirunal College of Engineering, Thiruvananthapuram will award the Order for supply of Goods /Services to the bidder whose tender has been determined to be substantially responsive, and who has offered the lowest evaluated quotation price. The Principal does not bind himself to accept the lowest of any offer and reserves the right to select one or more from the offers made as considered expedient.
12. The Bidder should furnish the contract agreement and performance security within 15 days from the date of receipt of the order for supply of goods/services, failing which the order will be cancelled without further notice and awarded to next eligible bidder.

13. In respect of all items especially, electrical items, other things being equal, preference will be given to goods bearing ISI Certification mark or augmarking and to products conforming to ISI Specifications.
14. The Sree Chitra Thirunal College of Engineering, Thiruvananthapuram, prior to the expiration of the tender validity period, will notify the bidder whose bid is accepted for the award of contract. The terms of accepted offer shall be incorporated in the purchase order.
15. If the bidder/supplier, after accepting the Purchase Order for supply of Goods/Services, fails to deliver any or all of the Goods or to perform Services within the period(s) specified in the Order, Sree Chitra Thirunal College of Engineering, Thiruvananthapuram shall, without prejudice to its other remedies under the Rules of Purchase, proceed to cancel the order or agree to accept a delayed delivery on the condition of payment of liquidated damages by the bidder/supplier a sum equivalent to 0.50 % of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5 % of the agreed price. Once the maximum is reached Sree Chitra Thirunal College of Engineering, Thiruvananthapuram may proceed on its own to consider the termination/cancellation of the Order and may inform the bidder about the cancellation of the said purchase order.
16. Delivery of the goods, including unloading, positioning at the specified place, commissioning etc. should be borne by the Contractor.
17. Normal commercial warranty shall be applicable to the supplied goods. Bidder shall arrange for extended period of warranty / guarantee if asked for in the Tender Form. Bidder shall clearly indicate the arrangements for support and maintenance during the period for which the warranty shall be in force.
18. No advance payment terms shall be admitted. Normally complete payment will be made within a period of one to three weeks from the date of installation and satisfactory working / date of completion of service if the documents are in order.
19. Notwithstanding the above, Sree Chitra Thirunal College of Engineering, Thiruvananthapuram reserves the right to accept or reject any tenders, and to cancel the bidding process, and reject all tenders at any time prior to the award of order without assigning any specific reason thereof.
20. All legal disputes shall be subject to the jurisdiction of the Courts of Law of Kerala State.

-Sd-

PRINCIPAL
SCT COLLEGE OF ENGINEERING
PAPPANAMCODE
THIRUVANANTHAPURAM – 695 018
TEL: 0471-2490572, 2490772

FORMAT OF TENDER

(For use of the bidder. See note below)

Tender Ref..No.

Last Date:.

Sl. No.	Description of Goods	Specifications	Qty. (Numbers)	Quoted Unit Rate in Rs.	Total Amount

1. We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs..... (amount in figures) (Rupees.....only) (amount in words) within the period specified in the Invitations for Tenders.
2. We also confirm that commercial warrantee/guarantee of.....months shall apply to the offered goods from the date of installation/commissioning.
3. We undertake that in competing for (and if the award is made to us in executing) the above contract of supply of goods, we will strictly observe the laws against fraud and corruption in force in the Republic of India, as required by Sree Chitra Thirunal College of Engineering, Thiruvananthapuram.

Place:

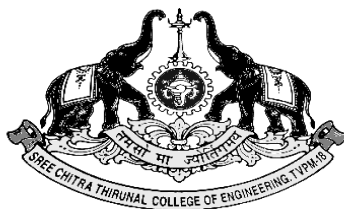
Signature of the Bidder

Date:

List of Enclosures:

- 1.
- 2.
- 3.

(Note: Bids should be submitted on the official stationary of the bidder)



SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING
PAPPANAMCODE, TRIVANDRUM – 695018

No.	Specifications	Unit
A	<p>Holography development kit Should consists of the following 21 item with the given specifications with the given quantity</p>	
01.	<p>Optical Honeycomb Tabletop Pneumatic Isolated Support Specifications: Optical Honeycomb Size = 1800 mm X 1200 mm X 200 mm 5mm thick magnetic SS top skin – 410 Grade Bottom skin made of 5mm thick epoxy coated steel 0.25mm thick aluminium honeycomb core Core cell size of 5 sq.cm (approx.) M6 tapped holes at 25mm grid Nylon cups under each tapped Holes ± 0.1mm flatness on top over 300 mmx 300 mm area (non-cumulative error) Semi-solid epoxy bonding Side walls finished with black form sheet having matte finish Compressed wooden particle boards as side walls to dampen acoustic vibrations</p> <p>Pneumatic Isolated Support Passive Isolated Support, Interconnected legs. Air pressure = 25-35 PSI Air filter provided for moisture free air Isolates vibrations in the critical range of 10-50 HZ Height-900mm Adjustable height-10mm</p>	1
02.	<p>Helium- Neon Laser (Red) 5mW Specifications: Output power = 5mW Wavelength = 633nm Beam diameter = 0.8mm Output power stability = ± 2.5% Power Input = 220 V AC, 50 Hz</p>	1
03.	<p>Variable Beam Splitters with mount Specifications: Diameter = 75mm Thickness = 3mm ± 0.2mm Material = N-BK7 Diameter Tolerance = +0.00, -0.2mm</p>	1

04.	<p>Mirrors Specifications: 1 inch mirror Material = Borofloat (Schott) Thickness Tolerance = $\pm 0.2\text{mm}$ Dimensional Tolerance = $+0.00, - 0.2\text{mm}$ Clear Aperture = 90% of diameter Surface Quality = 40 - 20(Scratch - dig) Surface Flatness = $\lambda/4 @ 632.8 \text{ nm}$ Parallelism = $\leq 3 \text{ arc min}$ Coating = Protected Aluminium Reflectivity, $R_{\text{avg}} = > 88\% @ 450\text{nm} - 2\mu\text{m}$, Bevel = $0.2\text{mm} \times 45^\circ$</p>	2
05.	<p>Mirrors Specifications: <u>2 inch mirror</u> Diameter = 2" Material = Borofloat (Schott) Thickness Tolerance = $\pm 0.2\text{mm}$ Dimensional Tolerance = $+0.00, - 0.2\text{mm}$ Clear Aperture = 90% of diameter Surface Quality = 40 - 20(Scratch - dig) Surface Flatness = $\lambda/4 @ 632.8 \text{ nm}$ Parallelism = $\leq 3 \text{ arc min}$ Coating = Protected Aluminium Reflectivity, $R_{\text{avg}} = > 88\% @ 450\text{nm} - 2\mu\text{m}$, Bevel = $0.2\text{mm} \times 45^\circ$</p>	1
06.	<p>Lenses with holder Specifications: <u>1 inch lens</u> Diameter = 1" Suitable for hologram generation</p>	1
07.	<p>Lenses with holder Specifications: <u>2 inch lens</u> Diameter = 2" Suitable for hologram generation</p>	1
08.	<p>Spatial Filter assembly with Magnetic Base Specifications:- <u>Spatial Filter Assembly</u> 10mm linear movement 3mm XY adjustment M6 mounting holes post/base mountable Black anodized finish Compatible with standard microscope objectives <u>Post</u> 12mm diameter Stainless steel, SS 304 Precision ground finish M6 & M4 tapped holes</p>	1

	<u>Post Holder</u> suitable for 12mm post. Aluminium alloy M6 tapped hole at the base Posts are held in position by thumb screws Black anodized finish <u>Magnetic Base</u> ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area	
09.	Beam Steering device with Magnetic Base Specifications:- <u>Beam Steering device</u> Optics size = 1" Optics type = Mirror Optics Holder = Kinematic adjustable Materials = Aluminium Alloy and Stainless steel Finish = Black anodized <u>Magnetic Base</u> ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area	1
10.	Mirror Mount with Magnetic Base Specifications:- <u>1" Mirror Mount</u> Mirror diameter = 1" Tilting range = ± 3 degrees Sensitivity = 20 arc sec Material = Aluminium Alloy Finish = Black anodized Post mountable Driven by 80 TPI lead screw <u>Post</u> 12mm diameter Stainless steel, SS 304 Precision ground finish M6 & M4 tapped holes <u>Post Holder</u> suitable for 12mm post. Aluminium alloy M6 tapped hole at the base Posts are held in position by thumb screws Black anodized finish <u>Magnetic Base</u> ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area	2

11.	<p>Mirror Mount with Magnetic Base Specifications:- <u>2" Mirror Mount</u> Mirror diameter = 2" Tilting range = ± 3 degrees Sensitivity = 20 arc sec Material = Aluminium Alloy Finish = Black anodized Post mountable Driven by 80 TPI lead screw <u>Post</u> 12mm diameter Stainless steel, SS 304 Precision ground finish M6 & M4 tapped holes <u>Post Holder</u> suitable for 12mm post. Aluminium alloy M6 tapped hole at the base Posts are held in position by thumb screws Black anodized finish <u>Magnetic Base</u> ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area</p>	1
12.	<p>Plate Holder with Magnetic Base Specifications: <u>Object holder</u> Object holder size= 63mm Material = Aluminium Mounting hole = M6 tapped hole <u>Post</u> 12mm diameter Stainless steel, SS 304 Precision ground finish M6 & M4 tapped holes <u>Post Holder</u> suitable for 12mm post. Aluminium alloy M6 tapped hole at the base Posts are held in position by thumb screws Black anodized finish <u>Magnetic Base</u> ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area</p>	2
13.	<p>Object Holder with Magnetic Base Specifications: <u>Object holder</u> Object holder diameter = 50mm Material = Aluminium Mounting hole = M6 tapped hole</p>	2

	<u>Post</u> 12mm diameter Stainless steel, SS 304 Precision ground finish M6 & M4 tapped holes <u>Post Holder</u> suitable for 12mm post. Aluminium alloy M6 tapped hole at the base Posts are held in position by thumb screws Black anodized finish <u>Magnetic Base</u> ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area	
14.	Laser Clamp Specifications: Material = Aluminum Clamping to breadboard = M6 Screws	1 Set
15.	Pinholes Specifications: Pinhole diameter = 15 microns Pinhole diameter tolerance = ± 1.5 microns Material = SS 12 micron thickness case material = Aluminium Anodized	15
16.	Microscope objectives Specifications: <u>Magnification = 20X</u> Numerical aperture = 0.25 Focal length = 20mm Working distance = 2.5 mm Outside diameter = 25mm	2
17.	Microscope objectives Specifications: <u>Magnification = 10X</u> Numerical aperture = 0.40 Working distance = 7mm	1
18.	Microscope objectives Specifications: <u>Magnification = 40X</u> Numerical aperture = 0.65 Working distance = 0.65mm	1
19.	Post, post holder and magnetic base Specifications: <u>Post</u> 12mm diameter Stainless steel, SS 304 Precision ground finish M6 & M4 tapped holes <u>Post Holder</u> suitable for 12mm post. Aluminium alloy M6 tapped hole at the base	3

	Posts are held in position by thumb screws Black anodized finish Magnetic Base ON/OFF switch Aluminium Platform 10 Kgs. Of magnetic clamping force M6 Tapped holes at 25mm grid 65x50mm mounting area	
20.	Baffle Screens Specifications: Base = Aluminium Screen = Black acrylic, Matt finished	3
21.	Bevel Protractor Specifications: To measure beam angles Material = SS Angle graduation = 180 degree	1
22.	Sample Object	2
23.	Wooden Scale	1
B. Optical Beam Shutter		
	Default Position: Closed Close Activation Time: <10 ms One 8-32 (M4) Tap on Four Sides Four 4-40 Taps Around Aperture on Both Sides for 30 mm Cage System Compatibility	1

Special Terms and conditions

- 1) A minimum warranty of 2 years should be provided, if not specified.
- 2) The bidder should be OEM or authorized Dealers/ Channel partners/ Distributors of reputed brand having authorization for sales and after sales support for quoted equipments (enclose OEM certificate/letter specific for this tender).
- 3) The bidder must have completed at least 3 years of experience/operation in the field of supply, installation and support of quoted equipments.
- 4) Prices quoted will be firm for the entire period of Contract. The quoted price should be inclusive of all taxes & levies, freight, unloading charges etc. It is the responsibility of the Bidder to clearly identify all costs associated with any item or series of items in this Tender Document and submit the total cost likewise.
- 5) Proposed product as available on the website of the manufacturer must be mentioned along with the relevant link. Enclose full technical details of product(s) including specifications with make and model. Related technical brochures should be attached.
- 6) Payment will be made only after the installation, testing and satisfactory working or completion of service for which the supplier shall submit bills in duplicate (original + copy) giving the reference number of the supply order.
- 7) Conform to international standards/specifications.

We look forward of receiving your tender and thank you for interest in this Tender

-Sd-

PRINCIPAL
SCT COLLEGE OF ENGINEERING
PAPPANAMCODE, TVM-18