

[BY REGISTERED/SPEED POST]

To

Open Quotation
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Subject: Request for quotations to supply Free space optic communication testbed chamber for DST SERB project for the Department of Electronics and Communication Engineering, IKGPTU Main Campus Kapurthala.

Dear Sir,

This is in reference to purchase of a Free space optic communication testbed chamber for DST SERB project for the Department of Electronics and Communication Engineering, IKGPTU Main Campus Kapurthala.

1. You are invited to submit your most competitive quotations **along with technical specification compliance sheet (Annexure A)** for the following equipment:

1.	Free space optic communication testbed chamber	Specifications: Attached in annexure- A
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2. **Quotation:**
 - a) Overwriting in quotation should be avoided.
 - b) All duties, transportation charges, packing charges and other levies payable by the supplier shall be included in the unit price. **Price of each equipment/item should be quoted separately.**
 - c) Applicable taxes shall be quoted separately for all items.
 - d) Quotation shall remain valid for **90 Days** after the last date of quotation submission.
 - e) Each bidder shall submit only one quotation.
 - f) The prices should be quoted in Indian Rupees only.
3. **Evaluation of Quotations:** The Purchaser will evaluate and compare the quotations determined to be substantially responsive, i.e., which
 - a) are properly signed and stamped.
 - b) confirm to the terms and conditions, and specifications. Any quotation other than the specifications mentioned will not be considered.
4. **Award of Purchase Order:**

The Purchaser will issue the Purchase Order to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price for each equipment/item.

 - a) 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.
 - b) The vendor/supplier whose quotation/bid is accepted will be issued Purchase Order by the Purchaser prior to the expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
5. **Payment Terms:** All goods will be delivered to Store Department of I.K. Gujral Punjab Technical University, Main Campus, Kapurthala. No advance payment will be made. University will not pay

any extra amount as the quote amount is inclusive of all taxes/Govt. levied duties/transportation charges etc. Payments shall be made in Indian Rupees as follows:

- a) Delivery, Installation & Acceptance – **100%** of total cost

6. **Warranty:** All supplied items under purchase must have warranty of **12 Months** from the date of successful acceptance of items.

7. **Last Date & Time:** You are requested to provide your offer within eighteen days from the dispatch date of this letter.

8. Training Clause (if any) **Yes**

9. Testing/Installation Clause (if any) **Yes**

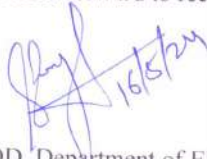
10. Information brochure/product catalogue, if any must be accompanied with quotation clearly indicating the model quoted for.

11. **Sealed Quotations:** Quotations sent via email should be summarily rejected. Please subscribe on the envelop "Quotation for Free space optic communication testbed chamber for DST SERB project for the Department of Electronics and Communication Engineering. To be opened by Committee only". Only sealed quotations to be submitted/delivered at the address mentioned below:

**[Quotation for Free space optic communication testbed chamber for DST SERB project for the Department of Electronics and Communication Engineering]
TO BE OPENED BY COMMITTEE ONLY**

To
**THE REGISTRAR,
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR-KAPURTHALA HIGHWAY, VPO – IBBAN
KAPURTHALA-144603 (PB)**

We look forward to receiving your quotation and thank you for your interest in this project.


HOD, Department of Electronics and Communication Engineering
(Authorized Signatory)

ANNEXURE A

Technical Specifications

Technical Specifications of "Free space optic communication testbed chamber" is as under:

S.No	Item (Quantity)	Specifications	Compliance (Yes/No)
1	Tabletop FSOC test-bed chamber (01 unit)	To be used to facilitate environmental control with mist and smoke generators, temperature and humidity regulation. Should act as a robust FSOC test-bed for experimentation and innovation in optical communication.	
		Components	Specifications
		Optical source/s	Diode laser, 650nm/850nm, 30mW, open lead for 5V DC power supply, circular beam,
		Optical detector/s	Photodiode, Centre wavelength: 650nm/850nm, Rectangular/square aperture, current output with suitable gain TIA.
		Two number Tip tilt platform	Laser and photodiode tip tilt holder, post, post holder, mounting base.
		Two number Mini optical bread board	15cm X 15cm X =2 inch, M6 holes, Aluminium, black coating.
		Four number Mirror steering platform	Manual steering, chamber wall mounting option, micro steering.
		Four number Mirrors	=100% PRM, 1 inch diameter, coating for 650nm/850nm
		Plywood/ equivalent material atmospheric turbulence chamber with one side transparent glass/acrylic.	Waterproof walls, Size: 1m X 1m X 1m with suitable mist generator, smoke generator, turbulence circulating fan, temperature and humidity controller, temperature pad. Appropriate turbulence generators have to be selected while developing the chamber.
	Any other in addition to above		

