



INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

GT ROAD, KALYANPUR, KANPUR – 208016

UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/CSE/2024-2025/11

BID SUBMISSION END DATE- 01-07-2024

TENDER DOCUMENTS

For

“Purchase of Lidar (Quantity – 01)”

Tender document

**Department of Computer Science and Engineering
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India**

Date of Publishing	21-06-2024 (17.00 hrs)
Bid Submission Start Date	21-06-2024 (17.00 hrs)
Last Date and time of uploading of Bids	01-07-2024 (16.00 hrs)
Last Date and time of submitting , EMD at IIT Kanpur (if any)	NA
Date and time of opening of Technical Bids	02-07-2024 (16:00 hrs)
Date and time of opening of Financial Bids	Will be separately notified for Technically shortlisted/qualified bidders

Interested parties may view and download the tender document containing the detailed terms & conditions from the website <https://www.iitk.ac.in/new/tenders-notice>

Enquiry date: **21-06-2024**

Enquiry No: **IITK/CSE/2024-2025/11**

IIT, Kanpur reserves the right to accept or reject any or all the tenders without assigning any Reasons thereof.

Quotations are invited for Purchase of Lidar (Quantity – 01).

The detailed technical specification is described below:

<u>Technical Specification for Lidar (Quantity – 01)</u>	
Technical Specification	<ul style="list-style-type: none">• It has a range of 100 m, and the sensor's low power consumption (~8 W), light weight (830 g), compact footprint (~Ø103 mm x 72 mm), and dual return capability make it ideal not only for autonomous vehicles but also robotics and mobile terrestrial 3D mapping applications.• It supports 16 channels, ~300,000 points/second, 360° horizontal field of view and a 30° vertical field of view, with ±15° up and down.• It does not have visible rotating parts, making it highly resilient in challenging environments (Rated IP67) while operating over a wide temperature range (-10°C to +60°C).Sensor Resolution: 640 x 480• It provides a full 360-degree environmental view to deliver accurate real-time 3D data.
SENSOR	<ul style="list-style-type: none">• 16 Channels• Measurement Range: 100 m• Range Accuracy: Up to ±3 cm (Typical)1• Field of View (Vertical): +15.0° to -15.0° (30°)• Angular Resolution (Vertical): 2.0°

	<ul style="list-style-type: none"> • Field of View (Horizontal): 360° • Angular Resolution (Horizontal/Azimuth): 0.1° – 0.4° • Rotation Rate: 5 Hz – 20 Hz • Integrated Web Server for Easy Monitoring and Configuration
LASER	<ul style="list-style-type: none"> • Laser Product Classification: Class 1 Eye-safe per IEC 60825-1:2007 & 2014 • Wavelength: 903 nm
MECHANICAL/ ELECTRICAL/ OPERATIONAL	<ul style="list-style-type: none"> • Power Consumption: 8 W (Typical)² • Operating Voltage: 9 V – 18 V (with Interface Box and Regulated Power Supply) • Weight: ~830 g (without Cabling and Interface Box) • Environmental Protection: IP67 • Operating Temperature: -10°C to +60°C³ • Storage Temperature: -40°C to +105°C
OUTPUT	<ul style="list-style-type: none"> • 3D Lidar Data Points Generated: <ul style="list-style-type: none"> • Single Return Mode: 300,000 points per second • Dual Return Mode: 600,000 points per second • 100 Mbps Ethernet Connection • UDP Packets Contain: - <ul style="list-style-type: none"> • -Time of Flight Distance Measurement • - Calibrated Reflectivity Measurement • - Rotation Angles- Synchronized Time Stamps (µs resolution)
Warranty	1 Year

Terms and Conditions

1. Quotation must be valid for 120 days.
2. All quotations must contain complete technical details of the product
3. All prices are to be FOR IIT Kanpur.
4. The vendor must provide official email address for communication and should notify that clearly in the quotation description, just referring to letterhead will not be accepted as sufficient proof of official email of communication.
5. Delivery period must be within 4 weeks from purchase order date.
6. Our standard payment terms and conditions is 100% after installation, inspection and approval.
7. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within aforesaid delivery period.
8. Preference will be given to only those vendors who have Service/ Repairing centre stationed at Kanpur (Single point of contact in Kanpur for any service related issues)
9. No Call Locking will be entertained (in/out stationed). If at all it is required, then it will be performed by local Maintenance Engineer.
10. Testing of the product onsite is mandatory

11. In no case, the suppliers shall be provided with remote access of the servers/machines.
12. It is mandatory to quote for optional items; else the quotation may be rejected.
13. Reporting time should not be more than 2 hours
14. Resolving time should not be more than 2 days
15. At any time prior to the deadline for submission of bid, the Institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
16. Vendor is expected to submit only one best bid per tender specifications.
17. ****Only original equipment manufacturer /Authorized channel partners/Authorized system integrators having letter of support from OEM are eligible to bid.**
18. A higher warranty may be given preference.
19. IIT Kanpur reserves the right for accepting and rejecting any quotation without assigning any reason thereof. Also, IIT Kanpur has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason. Any discrepancy or dispute will only be settled in Kanpur Courts /Local Administration only.
20. Vendors are requested to quote only in Indian currency (Rupees). If the vendor wants to quote in an alternate currency, the vendor should seek an explicit permission from the department before sending the bid.
21. If all or any of the components of the equipment is/are to be imported, the vendor holds its full responsibility for its delivery at IIT Kanpur and that too in the stipulated time period. If for any reason the vendor does not want to deliver to IIT Kanpur, the vendor needs to seek an explicit permission from the department, before sending the bid.
22. Maximum educational discount should be offered wherever applicable.
23. Every communication must be received at IIT Kanpur within 2 business days from the date stamped on the letter if posted via conventional postal email.
24. Any communication letter if posted via conventional postal mail must also be sent on following email purchase@cse.iitk.ac.in and email of the PI (Project Investigator).
25. If taxes & duties are not quoted separately by the bidder, the final figure/price will be deemed to be inclusive of taxes & duties.
26. The basic Price/rate, GST, Packing & Forwarding charges and Freight charges must be mentioned separately & specifically. The offer quoted inclusive of Taxes, Packing & Forwarding charges and freight charges will summarily be rejected. The same is essential keeping in view the applicability of GST. The impact (%age) of GST on item, /items will be admissible as applicable on the basic rate being statutory levy only during currency of Purchase Order/Contract against party's request along with necessary documents in support of their claim/amendments.
27. **Two-bid system:**
 1. Sealed quotations are invited Technical bid & financial bid from reputed, eligible & resourceful bidders for supply, installation of Server, etc. complete in all respect. The sealed envelopes with the quotes should be super scribed mentioning whether it is a technical or financial bid.

2. If the financial Bid is included in the Technical Bid, then the quotation will be rejected.

1. Note: Document Required

- i. Certificate of GST and Bank details.
- ii. Work experience.
- iii. Our Technical Sheet duly signed and stamped by the firm.
- iv. Specifications/brochures & tender acceptance letter on Appendix 1-3.

Scanned copy of No Deviation Certificate (This certificate is to state that there shall be No Deviation in your bid as compared to what we have asked for in our tender document both technically and otherwise. This is to be written on your letter head and signed stamped as well.

- v. OEM Authorization Certificate
- vi. Past Performance
- vii. Experience Criteria
- viii. Bidder Turnover

Quotations should be in the name of: -

Dr. Amitangshu Pal
Department of Computer Science
Indian Institute of Technology Kanpur
Kanpur 208 016, India

Mailing Address:

Nagendra Yadav
Contact- 0512-259-6344
Mailing Address: purchase@cse.iitk.ac.in
RM-510, Rajeev Motwani Building
Department of Computer Science & Engineering
Indian Institute of Technology Kanpur
Kanpur 208 016, India

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Certificate for Tender
(To be given on Company Letter Head)

Date: _____

To,

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: _____

Name of Tender / Work: -

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Declaration for Local Content

**(To be given on Company Letter Head - For tender value below Rs.10 Crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value
above Rs.10 Crores)**

Date: _____

To,
The Director,
Indian Institute of Technology Kanpur,
GT Road, Kalyanpur, Kanpur -208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: -

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has ____% local content.

“*Local Content*” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

“**False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.*”

**Yours Faithfully,
(Signature of the Bidder, with Official Seal)**