



Sher-e-Kashmir
University of Agricultural Sciences & Technology of Jammu
Chatha, Jammu (J&K)- 180009

Notice Inviting e-tender

On behalf of SKUAST-Jammu, tenders are hereby invited through e-tendering mode from the manufacturers, reputed and authorized distributors/ dealers/suppliers for purchase of Lab. Equipment/All in One as per specifications given in Annexure-I

Item No.	Name of the item	Qty.	Cost of Tender Document (in Rs.)	Earnest Money Deposit (CDR/FDR)	Specification
1.	Flourimeter	01	Rs 500/-	Rs 8,000/-	Annexure 1
2	Thermocycler	01	Rs 500/-	Rs 8,000/-	Annexure 2
3	Insitu root scanner	01	Rs 500/-	Rs 75,000/-	Annexure 3
4	All in one Computer	01	Rs 250/-	Rs 1,500/-	Annexure 4

1. The Bidding documents/NIT can be downloaded from the website <http://jktenders.gov.in> from 18-08-2025 (10:00 AM) to 02-09-2025 Up to 4:00 P.M. Bid document contain qualifying criteria for bidder, specifications, bill of quantities, conditions and other details.
2. The bids shall be deposited in electronic format on the website <http://jktenders.gov.in> from 18-08-2025 (10:00 AM) to 02-09-2025 Up to 4:00. The technical bids received will be opened on or after 03-09-2025 at 10:00 A.M. Financial bids of only those bidders will be opened online who are found technically responsive by the evaluation committee.

Pre-eligibility/Technical Conditions:

Pre-eligibility/Technical bid which should contain the following documents:

- i. Copy of GST certificate.
- ii. Copy of PAN/TIN Card of the firm/ Authorized Dealer.
- iii. List of clients presently being served (Agricultural Universities/ Educational Institutes/National Institutes/others separately in the last three years) with Contact name & address with mobile no.
- iv. Bank Details on letter head along with cancelled cheque.
- v. Offers should be accompanied by a DD (non-refundable) in favor of "**Comptroller, SKUAST-Jammu**" payable at Jammu towards the Tender fee.

Terms & Conditions

1. Conditional tenders shall be rejected out rightly.
2. The specifications of the Laboratory Equipments/AIO should conform to the highest standards.

✓

3. Tenderers must state categorically whether or not their offer is exact to tendered specifications and indicate deviations, if any, failing which their offer will be ignored.
4. Tenderers shall enumerate the operational experience in similar environment of the equipment offered along with the names, addresses and other references of user's installations.
5. The competent authority i.e., SKUAST - Jammu reserves the right to revise or alter the specifications of the equipment before the acceptance of the tender.
6. Late, delayed and incomplete tenders and amendments and additions to the tender after opening of the same will not be accepted.
7. The tenderers should include in their tender, provision for tools and initial stock of maintenance spares as are essential for proper operation and maintenance of the equipment.
08. The successful tenderer shall be responsible for erection and installation of the equipment/AIO at destination sites and for making it fully operational.
09. The tenderers must provide complete details of needs of the equipment/ AIO which SKUAST-J should arrange before the arrival of the equipment in SKUAST-J to ensure its early installation and smooth operation thereafter.
10. The tenderer shall be fully responsible for the manufacture's warranty in respect of proper design, quality and workmanship of the equipment (s) accessories etc. covered by the tender for a period of twelve months from the date of satisfactory installation/commissioning of the system.
11. The tenderers shall make provision for imparting training to our scientists/ maintenance staff on operation and use of Laboratory Equipments, its accessories and trouble shooting repair and maintenance. Cost, if any, of such training and the details regarding the course covered and its duration should be specified.
12. The tenderer should enclose a certificate with the tender stating that
 - i) The equipment is of the latest technology.
 - ii) The equipment may be upgraded as and when required by SKUAST-J and
 - iii) The equipment shall be promptly and properly serviced by them whenever desired and such service will remain available to SKUAST-J for 03years from the date of its installation.
13. Prices quoted by the bidder should be inclusive of transit insurance, freight, installation and commissioning at destination sites. Discount, if any, should be shown separately. Additional charges on account of Excise Duty, GST, VAT, Entry Tax or any other charge / levy must be specifically quoted.
14. The offer should be valid for a period of 180 days from the specified date of opening of the tenders.
15. Full payment shall be made on installation and commissioning of the equipment. However, the tenderer shall have to furnish a bank guarantee equal to 05% of the total cost of the **Insitu root scanner** towards performance guarantee for one year which shall be released on successful completion of the warranty period
16. The company must offer model fulfilling the above specifications. The catalogue/brochure of the equipment model should be available on the firm/company website for online verification.
17. The Tenders must reach in the office of the **Prof. Vishal Gupta, Head, Division of Plant Pathology, FoA, SKUAST-Jammu, Main Campus, Chatha, Jammu-180009 (UT of J&K)** with superscribed as "**Name of items**" not later than the specified time as stipulated in the NIT, if the date on which the tenders are to be received / opened is declared as a public holiday, the tenders shall be received and opened on the next working day.
- 18 The tenderers and their authorized representatives are at liberty to be present at the time of opening of the tenders.

✓

19. The competent authority of SKUAST-J does not bind itself/himself to accept the lowest or any tender & reserve the right of accepting the whole or any part of the tender or portion of the quantity offered and the bidders shall supply the same at the rate quoted.

20. The equipment to be supplied shall not pass to the SKUAST-J unless and until the equipment has been delivered, installed / commissioned and accepted, in accordance with the conditions of the contract and to the entire satisfaction of the competent authority of SKUAST-J.

21. The University shall not be responsible for any theft or loss sustained by the tenderer during the period of commissioning/installation. In the event of injury or mishap or illness to any of his worker, the University will not be responsible for any compensation.

22. The tenderer shall be fully responsible for any damage to the University property/ furniture, if any provided to them by the University.

23. All questions, disputes, or difference arising under and out of, in connection with the contract shall be subject to the Courts at Jammu (J&K).

-Sd-

Head

Division of Plant Pathology

No: AUJ/DPP/25-26/F-27/2031-2035
Date: 18.08.2025

Copy to:

- Director Research, SKUAST-J, Chatha for kind information.
- Dean, Faculty of Agriculture SKUAST-J, Chatha for kind information.
- SVC for timely Publishing of e-NIT in two newspapers for wide publicity
- Estate Officer, SKUAST-Jammu for uploading on <http://jktenders.gov.in>
- Incharge Data Centre for uploading on University Website

Specifications for Fluorimeter

S.No.	Instrument type	Fluorimeter
1.	No. of Samples	up to 8
2.	Weigh	60 oz (1.7 kg)
3.	Operating power	100–240 VAC, 1.3 A/0.6 A
4.	Frequency	50/60 Hz
5.	Electrical input	48 VDC, 1.87 A
6.	Installation site	Indoor use only
7.	Operating temperature	10–30°C
8.	Operating humidity	15–80% (non-condensing)
Technical specifications		
1.	Dynamic range	4 orders of magnitude
2.	Processing time	≤3 seconds/sample
3.	Light sources	Blue LED (max 460–480 nm)
		Red LED (max 620–640 nm)
4.	Excitation filters	Blue 456–484 nm
		Red 612–644 nm
5.	Emission filters	Green 513–563 nm
		Far-Red 671–693 nm
6.	Detectors	Photodiodes; measurement capability from 320–1100 nm
7.	Calibration type	2- or 3-point standard
8.	Sample chamber	Accommodates one Qubit Flex Tube Strip
9.	Warm-up time	<35 seconds
Hardware		
1.	Display	8-inch capacitive touchscreen with high resolution color display
2.	Output ports	3x USB ports
3.	Networking capabilities	Connection via the LAN (RJ-45) port using an Ethernet cable or wirelessly using the supplied Wi-Fi adaptor
4.	Power supply	AC adaptor with country-specific power cords
USB drive		
1.	Capacity	4 Gigabytes

✓

**TECHNICAL SPECIFICATION
for Thermocycler**

- 1) Method of heating/cooling- Peltier
- 2) Method of temp monitoring- Calculated & Block
- 3) Programming: Step-based graphical
- 4) Instant Incubation: Yes
- 5) Display: High resolution touch screen to create a new protocol, start a run, or manage files.
- 6) Sample capacity/sample size: 96 wells x 0.2ml (tube strips or 96-well plate)
- 7) Temp Range- 4 to 100 deg C
- 8) Accuracy- +/- 0.5 deg C
- 9) Uniformity- $\pm 0.5^{\circ}\text{C}$ well-to-well within 30 sec of arrival at target temperature
- 10) Reaction Volume: 1 to 100 μl
- 11) Gradient capability: across 8 rows to optimize PCR assays in a single run by simultaneously testing eight different temperatures across a range of 25°C
- 12) Gradient range: $30\text{-}100^{\circ}\text{C}$
- 13) Max Ramp rate: $4^{\circ}\text{C}/\text{sec}$.
- 14) Should have Dynamic ramping to ensure all well reach the annealing temperature at same time.

✓

TECHNICAL SPECIFICATION

for In Situ Root Scanner

Features:

- Super high-resolution image up to 23.5 million pixels
- Linear scanning with no distortion
- Each scan provides a 360-degree image
- Very portable and quick operation
- Allows observing root growth and behavior during an entire growing season or longer
- USB interface for laptop computer image storage

Specification:

- Scanner Resolution: Maximum 600dpi - up to 23.5 million pixels
- Image Size: 21.6W × 19.6L cm (8.5W × 7.7L in)
- Scan Speed: 30 to 150 seconds - depending on scanning resolutions
- Interface: USB port
- Power Supply: Computer USB port
- Scan Head Dimensions: 34.3cm long × 6.4cm diameter
- Standard Clear Tube Dimensions: 6.4cm inner diameter × 105cm length (2.5 inches × 41 inches); custom lengths available upon request
- Scanner Unit Weight: 750g

Warranty- 1 years

The instrument should be supplied with scanner, scanning software and a laptop computer for field operation, an USB connecting cable, Root Snap image analysis software and auger set with 3" diameter 34" length, 3 standard clear tubes with end caps and manual.

✓

TECHNICAL SPECIFICATION
for
All-In one Computer

S no.	Specification		
1.	Form factor	All in one	
2.	Processor Name	Intel® Core™ i7-12700 (up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads)	
3.	Processor Frequency Technology	Intel Turbo Boost Technology	
4.	Chipset	Intel Q670	
5.	Ports	1 headphone/microphone combo	
6.	Display	68.6 cm (27") diagonal, FHD (1920 x 1080), IPS, anti-glare, 250 nits, 72% NTSC	
7.	Display type	IPS	
8.	Graphics	Intel UHD Graphics 770	
9.	Memory and storage	16 GB memory; 1 TB SSD storage	
10.	Video connectors	HDMI	
11.	Operating system	Windows 11 Pro	
12.	Audio features	Audio by Bang & Olufsen, 5 W stereo speakers, headset and headphone side ports (3.5 mm), high performance integrated stereo speakers	
13.	Wireless	Realtek RTL8852AE Wi-Fi 6 (2x2) and Bluetooth® 5.2 wireless card	
14.	Ports	1 USB Type-C® 20Gbps signalling rate (charging); 1 USB Type-A 10Gbps signalling rate	
15.	Ports	1 USB Type-C® 10Gbps signaling rate (DisplayPort™ 1.4); 2 USB Type-A 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 1 HDMI-in 1.4; 1 dual-mode DisplayPort™ 1.4; 1 RJ-45	
16.	Webcam	5 MP Swivel camera with integrated dual array digital microphones	
17.	Warranty	3 Year or better	
18.	Original Equipment Manufacturer (OEM) Product	OEM Manufacturer or its authorized dealer with OEM Manufacturer Authorization only to bid. Appropriate documents to be submitted regarding this with the bid. MAF from OEM is must.	

✓

-Sd-
Head
Division of Plant Pathology