



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram

Phone: 0471-2380910, 912

No. C-DIT/03/PF/OIP-EQP/2024-25/T602

Date: 11.03.2025

OPEN TENDER NOTICE

SUPPLY OF TESTING AND INSPECTION EQUIPMENT

Sealed tenders are invited for the **Supply of Testing and inspection Equipment** for security features on documents and labels **at C-DIT, Thiruvallam Thiruvananthapuram**. The envelopes containing the tender should bear the superscription **“Supply of Testing and inspection equipment”** and should be addressed to The Registrar, Centre for Development of Imaging Technology (C-DIT), Chitranjali Hills, Thiruvallam, Thiruvananthapuram 695027. Intending tenderers may submit the tenders on their own papers by post/hand. Last date for receipt of tenders is **18.03.2025, 3.00 PM**. The tenders will be opened at **3.10 PM on the same day** in C-DIT office in the presence of the tenderers or their authorized representatives who may be present at that time.

Thiruvananthapuram

11.03.2025

Sd/

REGISTRAR

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SPECIFICATIONS

Sl No.	Description of item (to be procured)	Required Quantity
1	TESTING AND INSPECTION EQUIPMENT FOR SECURITY FEATURES ON DOCUMENTS AND LABELS	
a	<p>Portable Digital Microscope</p> <p>Specifications</p> <p>The portable digital microscope should have a full-colour display, enabling users to inspect objects for quality control and anti-counterfeit detection. It should capture high-magnification images and records videos that can be transferred to a PC. The microscope's driver software includes functions for measuring the length, angle, and area of objects</p> <p>Features</p> <ul style="list-style-type: none"> • Display: 2.7-inch full-color TFT LCD screen, 320 x 240 pixels • Lens and CMOS Sensor: 2M pixels • Magnification: Optical – 10x to 40x; Digital – 15x to 200x • Photo Resolution: 1600 x 1200 pixels (JPG format) • Video Resolution: 640 x 480 pixels (AVI format); 320 x 240 pixels (MP4 format) • Built-in Rulers: Two types (L-type and cross-type) for length measurement • Optional Functions: Photography, scene mode, PC image output, white balance, etc. • Software: Includes application software with professional measurement tools (e.g., length, circumference, radius, 	2 nos.

	<p>diameter, area, angle, etc.)</p> <ul style="list-style-type: none"> • OS Support: Windows 10 • Scope of Supply: should Include USB cable, adapter, protective bag, installation CD, user guide, Li-ion battery, cleaning cloth, wrist strap, and calibration stand. 	
b	<p>Optical Magnifier for print inspection application 30 X</p> <p>Specifications</p> <ul style="list-style-type: none"> • Size – 56 x 61 x 50 mm • Magnification – 30X • Dual lens and high power • Bright white and UV LEDs, switch lights as need • Rotatable optical lens (30mm) for clear vision • Solid Metallic Base with Scale having minimum scale division 0.5mm • 3 AG7 DC operated • Accessories- Black protection case 	10 nos
c	<p>UV -LED Pen type Black light</p> <p>Specifications</p> <ul style="list-style-type: none"> • Wavelength – 365nm, having Special uniform profile illumination • Detect UV-A materials. • Power – 1.5 W • 1 AAA 1.5 V DC operated • Dimension – cylindrical type having length about 110 mm, diameter – 12mm • Metallic base • lens type- convex • light source- LED • Accessories- Lanyard, clip 	5 nos
d	<p>UV -LED Pen type Black light</p> <p>Specifications</p> <ul style="list-style-type: none"> • Wavelength – 365nm, having Special uniform profile illumination • Detect UV-A materials. • Power – 3 W • 1 AA 3V DC operated • Dimension – cylindrical type having length about 100 mm, diameter – 20 mm 	5 nos

	<ul style="list-style-type: none"> • Metallic base • lens type- convex • light source- LED • Waterproof - IPX-8 • Accessories- Lanyard, O-ring, silicone cap and protective pouch 	
e	<p>Universal IR stimulated Taggant (anti-stokes) light reader</p> <p>Specifications</p> <ul style="list-style-type: none"> • Handheld device should be able to detect Taggant (anti-stocks) materials embedded in foil or paper. • Excitation stimulation- IR light (980nm) • Dimension – rectangular type having length about 70 mm, diameter – 40mm • Indicator - light and sound (beeper)signals • 2 AAA 1.5 V DC operated • light source- LED 	5 nos.
f	<p>Opaque Text Decoder (Round)</p> <p>Specifications</p> <ul style="list-style-type: none"> • Transparent Grating Film having pitch 0.15mm±0.01mm and thickness 300 microns • Line width – 0.035 mm and 0.053 mm • Shape of the device – Round having Device Diameter – 60 mm & Film Diameter – 25 mm 	50 Nos.
g	<p>Opaque Text Decoder (Rectangle)</p> <ul style="list-style-type: none"> • Transparent Grating Film having pitch 0.15mm±0.01mm and thickness 300 microns • Line width – 0.035 mm and 0.053 mm • Shape of the device – Rectangle having size 85mm X 55 mm 	100 nos.

SCOPE OF WORK

Scope of work primarily includes **Supply of Testing and Inspection Equipment** for security features on documents and labels for the setting up of Security Document Forensic Lab in CDIT, Thiruvallam, Thiruvananthapuram, as per the tender specification.

I. GENERAL TERMS AND CONDITIONS

1. This Tender is invited for the " **Supply of Testing and inspection Equipment**" as per the tender specification.
2. C-DIT reserves the right to cancel any or all of the tenders without assigning any reason whatsoever

II. ELIGIBILITY CRITERIA

Only those firms which in their individual capacity, satisfy the following criteria, need to quote for this tender.

- The bidder must be an OEM authorized dealer / reseller/supplier of the quoted items with prior experience in supply and installation of the same or similar equipment in the last one year with total executed order quantity worth ₹ 2 lakh or above.
- Bidder should be a registered company or registered business firm as per Indian Law, doing similar business.
- The bidder must have a currently valid GST registration certificate and PAN.
- An undertaking to the effect that the bidder has not been blacklisted by any of the department/organizations of the Govt. of India/State Govt /PSUs

III. Other Terms and Conditions:

1. The undersigned does not bind himself to accept the lowest bid offer and reserves himself the rights of accepting the whole or any part of the tender and the bidder shall be bound to providing the accepted items at the rates quoted.
2. C-DIT reserves the right to split the quantity of items to be supplied among one or more bidders, at the sole discretion.
3. The bidders will be responsible for effecting providing to the entire satisfaction of the undersigned or his authorized representatives. In case any defect in the item provided is noticed, such item will be rejected at the risk and cost of the Supplier
4. No advance payment will be made against supplies.
5. **The rate quoted by the bidder shall be inclusive of all applicable taxes.** Transportation charges and delivery charges at site, etc. shall be stated invariably.

6. **Rates quoted by the bidder shall be valid for a period of six months from the date of opening of the tender.**
7. **The bidders shall submit the rate in “FORM A” in a sealed envelope.**
8. Delivery period shall be specifically indicated in the supply order and shall be strictly adhered to. In general, the supply shall be arranged within **10 days** on receipt of the confirmed supply order. Any delay in the delivery after placing the supply order may result in cancellation of the supply order or payment of liquidated damages @ ½% per day of the value of the supply order subject to a maximum of 10% of the price of the supply order.
9. The rate should be quoted for the unit shown in the list and bid offers which do not indicate this essential information will not be considered.
10. The rate quoted for material shall be firm and no enhancement will be allowed under any circumstances during the period of the contract.
11. If the bidder furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender is liable to be ignored/ rejected in addition to other remedies available to the purchaser in this regard.
12. Items offered shall conform in all respects to the relevant Indian Standard Specifications.
13. Any dispute / difference between the parties arising out of and in connection with the contract shall be settled amicably by mutual negotiations.
14. C-DIT reserve the right to cancel any or all the tenders without assigning any reasons whatsoever.
15. **WARRANTY**
 - The bidder shall provide onsite comprehensive OEM warranty for the Items supplied including the work executed for setting up of the system from the date of supply and installation.
 - The OEM should provide onsite support, spares and other consumables throughout the warranty period, irrespective of product change or depreciation of the product.

16. **AFTER SALES SERVICE**

- Service support personnel should be available at any time on demand.
- The Telephone Number and address of the designated persons should be submitted for reporting faults during the warranty period.

17. **PAYMENT TERMS:** 80% payment would be released on successful delivery & POST operation (Power-On Self-Test) of the supplied machine as per the Purchase Order (PO). Remaining 20% of payment shall be released after completing implementation and test period of three month from the date of installation.

18. **Agreement:** The Successful bidder within 7 days of getting confirmed work order has to enter an agreement with C-DIT in Rs.200 worth non judicial stamp paper, to ensure warranty and after sales support during the warranty period

19. **Authority:** The authority for the acceptance of the tender rests exclusively with the C-DIT. The C- DIT does not undertake to accept the lowest or any particular tender or to assign any reason whatsoever for the rejection of any tender.

20. In case of doubt:

If the bidder has any doubt on technical specifications or on terms & conditions stipulated above, please contact Shri Sajan Ambadiyil, HoD(OIP), C-DIT Mob: 9447827852.

21. At any time prior to the deadline for submission of tenders, the C-DIT may, for any reason deemed fit by it, modify/amend the tender documents by issuing suitable amendment(s)/ corrigendum's to it. Corrigendum to this tender shall be published in the site www.cdit.org. Prospective bidders are advised to regularly visit the website: www.cdit.org to keep track of corrigendum, if any.

Last date for submission of bids : **03.00 PM on 18.03.2025**

Bid-opening : **03.10 PM on 18.03.2025**

Sd/

REGISTRAR, C-DIT

Dated 11.03.2025



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FORM – A

COMMERCIAL BID

TESTING AND INSPECTION EQUIPMENT FOR SECURITY FEATURES ON DOCUMENTS
AND LABELS

Quote No.

Date:

Sl No.	Item Description	Required Quantity	Unit rate with GST	Total with GST
1	Portable Digital Microscope (As per the Tender Specification)	2 nos.		
2	Optical Magnifier for print inspection application 30 X (As per the Tender Specification)	10 nos		
3	UV -LED Pen type Black light (As per the Tender Specification)	5 nos		
4	UV -LED Pen type Black light	5 nos		
5	Universal IR stimulated Taggant (anti-stokes) light reader (As per the Tender Specification)	5 nos.		
6	Opaque Text Decoder (Round)- (As per the Tender Specification)	50 Nos.		

7	Opaque Text Decoder (Rectangle) - (As per the Tender Specification)	100 nos.		
	TOTAL (In Figures)			
	TOTAL (In Words)			

Bidder Name:

Address:

Mobile No.

e-mail id:

Date

Signature

Office Seal