Tender Enquiry

(E-Procurement Mode)

For

SUPPLY AND INSTALLATION OF SOFTWARE DEFINED RADIO (SDR) DEVELOPMENT PLATFORM WITH ACCESSORIES

Notice Inviting E-Tender (E-Procurement Mode)

Date: 29.10.2026

IIITDM Kancheepuram (the Institute) invites online bids under the two-bid system from eligible bidders for Supply and Installation of Software Defined Radio (SDR) Development Platform with Accessories in accordance with the specifications in Annexure-1.

Tender Enquiry No.	IIITDMK/26-27/SP/SDR/009 Dt29/10/26
Description	Supply and Installation of Software Defined Radio (SDR) Development Platform with Accessories **(Specification/Quantity details enclosed as Annexure-1)**
Mode of Tender	E-Procurement through CPPP; Two-Bid System
EMD / Bid Security	Rs. 18,000/-
Bid Submission End	18 November 2026 - 15:00 HRS
Bid Opening	19 November 2026 - 15:30 HRS
Bid Validity / Delivery	**Bid validity: 180 days from Technical Bid opening | Delivery: within 03 weeks from Purchase Order**

Official Communication: The Registrar, IIITDM Kancheepuram | purchase@iiitdm.ac.in

1. BID SUBMISSION AND DOCUMENTS

- Bids shall be submitted online on CPPP using a valid Digital Signature Certificate (DSC).
- Technical Bid and Commercial Bid shall be submitted separately. **Price information shall not appear in the Technical Bid.**
- The Technical Bid shall be uploaded as a single serially numbered PDF containing all required documents and annexures.
- Commercial Bid shall be submitted only in the prescribed CPPP BoQ and quoted in INR. GSTIN, HSN/SAC and applicable GST rate shall be indicated wherever provided.
- Any corrigendum issued through CPPP / Institute website shall form part of the tender.

2. GENERAL TERMS AND CONDITIONS

1. **Tender / Bid System:** Two-bid system: (i) Technical Bid and (ii) Commercial Bid.
2. Bids not submitted in the prescribed manner are liable to rejection.
3. **EMD:** EMD of Rs. 18,000/- shall be remitted online through SBI E-Collect and proof uploaded with the Technical Bid. EMD may be forfeited for withdrawal/modification of bid during validity or failure to fulfil post-award obligations.
4. The bids will be evaluated technically, whether bidder has quoted for all items and required brands. All such bidders will be recommended technically and their commercial bids will be opened

5. **Commercial Evaluation / L1:** L1 shall be determined on the total landed cost of all tendered items, inclusive of freight, installation and commissioning, insurance, taxes and incidental charges. Item-wise comparison and partial award are not permitted. The total cost will be taken into account for arriving at L1, subject to applicable purchase-preference policies.
6. **Delivery including installation:** Complete supply shall be made at IIITDM Kancheepuram, Melakottaiyur, Off Vandalur-Kelambakkam Road, Chennai - 600 127, within 03 weeks from the date of Purchase Order.
7. **Inspection / Acceptance:** Items shall conform to the specifications, brand/make and quantity stated in Annexure-1 and shall be subject to inspection and acceptance by the Institute. Non-conforming or defective items shall be replaced by the supplier without additional cost.
8. **PBG / Security Deposit:** The successful bidder shall furnish Performance Bank Guarantee / Security Deposit equal to 5% of Purchase Order value, valid for the applicable warranty period plus two months.
9. **Payment:** No advance payment. 100% payment shall be made after satisfactory delivery and acceptance of the items, subject to submission of the prescribed PBG / Security Deposit.
10. **Freight and Insurance:** Rates shall be F.O.R. IIITDM Kancheepuram and shall include packing, forwarding, freight, loading/unloading, insurance, taxes and all incidental charges. The supplier shall bear transit risk until delivery at the Institute.
11. **Liquidated Damages:** Delay beyond the stipulated delivery period shall attract LD at 1% of the order value for every week or part thereof, subject to a maximum of 10%. The Institute may cancel the order if delay exceeds 04 weeks, subject to the tender conditions.
12. **Force Majeure:** A party affected by an event beyond its reasonable control shall promptly notify the Institute. Relief, if any, shall be considered in accordance with the Force Majeure provisions of the tender.
13. **Fall Clause:** During the currency of the contract, the price charged shall not exceed the lowest price at which identical stores are sold to any other person/organisation.
14. **Integrity / Fraud and Corruption:** Bidders shall observe the highest standards of integrity and shall not engage in corrupt, fraudulent, collusive or coercive practices. Violation may lead to rejection/debarment and other action under applicable rules.
15. **Arbitration:** Disputes shall, after 30 days' written notice, be referred to an arbitrator nominated by the Director, IIITDM Kancheepuram. Venue of arbitration: Chennai, India.
16. **Option Clause:** The Purchaser reserves the right to increase or decrease the quantity up to 25% of the bid quantity at placement of contract and may increase the ordered quantity up to 25% during the currency of the contract at contracted rates.
17. **Jurisdiction:** Courts in Chengalpattu District, Tamil Nadu shall have jurisdiction.
18. **Right to Accept / Reject:** The Competent Authority reserves the right to accept or reject any or all bids, wholly or partly, without assigning reasons, subject to applicable procurement rules.

Note: In case of conflict between this short tender and any corrigendum issued on CPPP, the latest corrigendum / tender condition published by the Institute shall prevail.

Sd/-

कुलसचिव / **Registrar**

IIITD&M Kancheepuram

ANNEXURE-1

TECHNICAL BID

Technical Compliance Sheet (to be filled and uploaded)

Name of the Agency	
Office Address:	
Name and Mobile No. of contact person:	
EMD AMOUNT	**Rs.18,000/-**
Mode	**Online payment through SBI E-Collect**
Payment Date	
SBI E-Collect / Transaction Reference No.	
Bank / Branch	

SI No	Item	Specification	Quantity	Compliance Yes/No/N.A.	Remarks
1.	**Software Defined Radio (SDR) Development Platform with Accessories**		**1**		
1.1.	Primary Unit	NI Ettus USRP B210			
1.2.	RF Transceiver Chipset	Integrated Analog Devices AD9361 Direct-Conversion Transceiver			
1.3.	RF Channels / Configuration	2×2 MIMO (2 Transmit & 2 Receive channels), Full-Duplex operation			
1.4.	Frequency Range	Continuous coverage from 70 MHz to 6.0 GHz			
1.5.	Real-time RF Bandwidth	Up to 56 MHz instantaneous bandwidth			
1.6.	FPGA Processing	On-board Xilinx Spartan-6 XC6SLX150 FPGA (User-reconfigurable)			
1.7.	Interface & Bus Power	SuperSpeed USB 3.0 (USB 2.0 fallback supported), Bus-powered			
1.8.	RF Connectors & Impedance	4× SMA Female connectors (50 Ω matched) for RF TX/RX			
1.9.	Clock Reference Interfaces	External 10 MHz Reference Clock input & 1-PPS Synchronization Input			

1.10.	Enclosure	Metallic protective steel enclosure kit with front/rear SMA pass-throughs			
1.11.	Antennas (Qty 4)	VERT2450 Dual-band: 2.4–2.48 GHz & 4.9–5.9 GHz, SMA Male, ~3 dBi gain			
1.12.	Antennas (Qty 2)	VERT900 Tri-band: 824–960 MHz, 1710–1990 MHz & 2110–2170 MHz, SMA Male			
1.13.	Accessories	Standard accessories, Official Universal Power Supply (100–240 V AC), USB 3.0 cable (1 m)			
1.14.	Software Compatibility	Native support for USRP Hardware Driver (UHD), GNU Radio, MATLAB/Simulink and LabVIEW			
1.15.	Warranty & Support	3 Years Comprehensive OEM Warranty with technical documentation			

Note:

1. **The total cost will be taken into account for arriving L-1.**
2. **The Bidder has to quote for all the items failing which the quote will not be considered for technical evaluation**