

Indian Institute of Technology Palakkad भारतीयप्रौद्योगिकीसंस्थानपालक्काड STORES & PURCHASE SECTION

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GSTIN: 32AAAAI9910J1ZR

Tender No. TENDER/2022-23/279 Date of Publication: 27-12-2022 Date/Time of Closing: 10-01-2023 15:00 hours

Indian Institute of Technology Palakkad Invites Tender under Two-bid system for the:

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SPECTRUM ANALYZER AND VECTOR SIGNAL GENERATOR

Conforming to the specifications as in BoQ Technical.

Tender Documents may be downloaded from the e-Wizard Portal <u>https://mhrd.euniwizarde.com/</u>. Aspiring Bidders who have not enrolled / registered in e-Wizard should enroll / register before participating through the website <u>https://mhrd.euniwizarde.com/</u>. Bidders are advised to go through instructions provided at "**Procedure for Submission of E-tender**". [Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this e-Wizard Portal"].

Bidders can access tender documents on the website. For searching in the site, kindly go to Live Tenders option, Click "Advance Search" and select Department as 'IIT Palakkad'. Thereafter, Click on "Search" button to view all IIT Palakkad tenders. Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <u>https://mhrd.euniwizarde.com/</u>as per the timeline below.

No manual bids will be accepted. All tender documents including Techno-Commercial, Technical and Financial bids should be submitted in the e-Wizard portal.

S. No.	Events	Date and Time
1	Publication of the Tender Document	27-12-2022
2	Last Date/Time for submission of ONLINE Bids	10-01-2023, 15:00 hours
3	Opening of Technical Bids	10-01-2023, 15:15 hours
4	Date of Pre-Bid Meeting	03-01-2023, 11:00 hours

Note:

1. The bidder should be a Class-I / Class-II Local Supplier meeting the requirement as per the Order No. P-45021/2/2017-PP (BE-II) issued by the Public Procurement Section, DPIIT, Ministry of Commerce and Industry, GOI dated 16-09-2020.

2. Bidders other than Class-I / Class-II Local Suppliers, who may participate in this tender, may be doing so at their own risk. Such bids would not be considered and rejected outright

Pre-Bid Meeting:

- 1. Online Pre-Bid meeting will be held on 03-01-2023 at 11:00 AM to clear the doubts of intending bidders. The details of the meeting will be intimated through ONLINE Portal. Bidders, who are unable to attend the Pre-Bid meeting, may send their queries for the same, latest by 02-01-2023, 17:00 hours to purchase@iitpkd.ac.in
- 2. Queries received after the Pre-Bid Meeting shall not be considered. Addendum/ Corrigendum/ Clarifications to the queries will be uploaded, paused the Pre-Bid meeting in the online portal, which shall be the part of the tender document.

TERMS AND CONDITIONS

1	GENERAL	(a) The responsibility of submission of the bids on or before the last date
1	GLIVERNIE	shall rest with the tenderer. The institute will hold no responsibility for
		the non-receipt of the bids or the bids received after the date/time
		specified. Any bid received by IITPKD after the bid submission deadline
		prescribed by IITPKD, shall be rejected and returned unopened to the
		Bidder.
		(b) Canvassing or offer of an advantage or any other inducement by any
		person with a view to influencing acceptance of a bid is an offence under
		the Laws of India. Such action will result in the rejection of bid, in
		addition to other punitive measures.
		(c) Each bidder shall submit only one bid, either by himself or as a partner
		in a joint venture or as a member of the consortium. If a bidder or if any
		of the partners in a joint venture or any one of the members of the
		consortium participate in more than one bid, the bids (of both the
		individual and the partnership/consortium/joint venture) are liable to be
		rejected.
		(d) The bidder shall bear all costs associated with the preparation and
		submission of his bid and IITPKD shall in no case be responsible or
		liable for those costs, regardless of the conduct or outcome of the tender
		process.
		(e) IITPKD will respond to any request for clarification or modification
		of the Tender Document that are received up to TWO DAYS prior
		to the deadline for submission of bids prescribed by IITPKD. For
		this purpose, the prospective bidder(s) requiring clarification in the
		Tender Document shall notify IITPKD through the ONLINE Portal
		ONLY. Any such clarification, together with all the details on which
		the clarification had been sought, will be published in the ONLINE
		Portal ONLY. Deviations, if any, observed by the Institute in the
		submitted bids, from the Terms and Conditions of the Tender
		Document will not be accepted by the Institute.
		(f) Except for any such clarification by the Institute, which is expressly
		stated to be an addendum to the tender document issued by the Registrar,
		IIT Palakkad, no written or oral communication, presentation or
		explanation by any other employee of any of the Sections/Departments
		of the Institute, shall be taken to bind or fetter the Institute.
		(g) The bidder is expected to examine all instructions, forms, terms and
		conditions in the Tender Document. In the event of discovery of any
		missing pages, the bidder shall inform the same to the Section/
		Department concerned. Failure to furnish the information required by the
		Tender Document or submission of a tender not substantially responsive
		to the Tender Document in every respect will be at the bidder's risk and
		may result in rejection of the bid.
		(h) The bidder shall not make or cause to be made any alteration, erasure or
		obliteration to the text of the Tender Document.
		(i) The Supplier shall not, without the prior written consent of the IITPKD,
		assign to any third party, the Contract or any part thereof.
2	COMPOSITION OF THE	(a) The Tender Document comprises of:
	TENDER DOCUMENT	Instruction to the bidders including terms and conditions
		1. Technical Specifications (Annexure-I)
		2. Undertaking by the Bidder (Annexure-II)
		3. Fall Clause Notice Certificate (Annexure-III)
		4. Annexure regarding Blacklisting/Debarment (Annexure-IV)
		5. Self Declaration – MII Order (Annexure-V)
3	DOCUMENTS	(a) The Technical, Techno-commercial and Commercial Bids (Cover

	COMPRISING THE BID	One) and Commercial Bid (Cover Two) shall be submitted ONLINE
		through the e-Wizard Portal.
		(b) Bids submitted in any mode other than ONLINE will be rejected
		outright.
		(c) Documents establishing the conformity of the terms and conditions of the Tender Document shall be provided along with the bid. The
		offer/bids should be sent only for a system or that is available in the
		market and supplied to a number of customers. A list of customers in
		India and abroad with details must accompany the quotations.
		Quotations for a prototype machine will not be accepted.
		(d) Original catalogue (not any photocopy) of the quoted model duly signed
		by the principals must accompany the quotation in the Technical bid. No
		prices should ever be included in the Technical bid.
		(e) Compliance or Confirmation report with reference to the specifications
		and other terms and conditions should also be obtained from the
		principal.
		(f) Information related to the agency/bidder such as photocopies of the Registration/RAN/GST/TIN shall be furnished
		Registration/PAN/GST/TIN shall be furnished. (g) The technical bid should consist of all technical details along with
		commercial terms and conditions. No prices should be included in the technical hid. Mantianing of Prices in the Technical Rid shall lead to
		technical bid. Mentioning of Prices in the Technical Bid shall lead to
		(h) Bidders who are bidding for this tender,
		 Should have implemented at least FIVE ORDERS of SPECTRUM
		ANALYZER OR VECTOR SIGNAL GENERATOR during
		previous THREE financial years (2019-20, 2020-21, 2021-22) from
		Centrally Funded Technical Institutes (IITs, NITs, IISc, IISER),
		DRDO, ISRO, CSIR labs or Government Firms in India. Copies of
		the most recent purchase orders and user certificates of successful
		implementation must be included. Copies of financial statements or
		evidence of turnover must be furnished.
		2) Should have an Average Annual Turnover of Rs 1,20,00,000/-
		(RUPEES ONE CRORE TWENTY LAKH ONLY) during the
		last THREE financial years (2019-20, 2020-21, 2021-22). The
		bidder shall enclose the audited statements of the indicated financial
		years, which should have been certified by a Chartered Accountant or
		a Competent Authority.
		3) Should submit Digitally signed Tender Document in Cover One.
4	EARNEST MONEY	(a) The bidder shall furnish EMD of Rs. 1,00,000/- (Rupees One Lakh
	DEPOSIT (EMD)	Only) through online payment gateway in the E-Wizard.
		(b) Bids not accompanied by EMD shall be DISQUALIFIED.
5	PERFORMANCE	(a) The performance security shall be submitted within FIFTEEN DAYS of
	SECURITY	receipt of the material by the IITPKD. The successful bidder shall
		furnish the Performance Security equal to 3% of the order / contract
		value (excluding the value of annual maintenance charges). The
		Performance Security shall be valid all along the warranty period and
		shall extend upto SIXTY DAYS after the date of completion of warranty
		period. It shall be ensured by the successful bidder that the validity of the
		Performance Security submitted is extended depending on the date of
1		commencement of the Warranty.
1		(b) The performance security shall be a bank guarantee (in the format as
1		provided) issued by the Indian Scheduled bank acceptable to the IITPKD
1		or a Demand Draft favoring, INDIAN INSTITUTE OF TECHNOLOGY
1		PALAKKAD payable at PALAKKAD.
		(c) The performance security shall automatically become null and void once
		all the obligations of the Supplier under the Contract have been fulfilled,

		including but not limited to only chlications during the Wermanty David
6	BID PRICES AND	 including, but not limited to, any obligations during the Warranty Period and any extensions to the period. The performance security shall be returned to the Supplier not later than fifteen (15) days after its expiration. (d) Failure of the successful Bidder to comply with the requirements shall constitute enough grounds for the annulment of the award and forfeiture of the EMD, in which event the IITPKD may make the award to the next lowest evaluated bid submitted by a qualified Bidder or call for new bids. (a) Prices must be quoted separately for each equipment/item identified.
	CURRENCY	 (a) Thees must be quoted separately for each equipment item identified. (b) Price quoted for equipment/items shall include all the costs associated with packing, local transportation from the point of clearance to IITPKD, insurance, loading, unloading and associated delivery charges. The delivery shall be on DOOR DELIVERY basis to the institute including its installation, commissioning, integration and validation. It is the sole responsibility of the supplier to ensure that the equipment is delivered on DDP mode to IIT Palakkad. An undertaking to this effect as in Annexure-II. (c) Prices quoted by the bidder shall be fixed during the validity of the bid. (d) Prices of the equipment/items shall be quoted in Indian Rupees (INR) / Foreign Currency.
7	LETTER OF CREDIT	 (a) Upon the successful Bidder's furnishing of the copy of the Purchase Order duly signed on each page and the Performance Security, for the equipment ordered in foreign currency, IITPKD will open a letter of credit (LC) in a convenient Nationalized Bank in India. For opening of LC necessary information shall be provided by the supplier or its authorized agents. (b) In case the successful bidder is a foreign company and wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed through the Beneficiary Bank to the end user bank. Otherwise, the Indian Agent of the foreign vendor shall submit a Bank Guarantee from a Nationalized Bank of India. The following documents shall be submitted in case of an Indian agent submitting the Performance Security on behalf of his principal: Foreign principal's proforma invoice indicating the commission payable to the Indian agent. Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business. (c) For imported equipment, a Letter of Credit (LC) shall be opened for 100% CIP price on receipt of the acknowledgment of the purchase order. However, 80% of the LC amount only shall be released on proof of the shipment of the consignment with necessary documents to be provided in detail at the time of placing of the purchase order. Balance 20% of the LC amount shall be released upon the receipt of a performance security of 5% of the total value of the purchase order and installation, commissioning, integration, validation and installation report/certification jointly given by the end user and the supplier. Any costs associated with the amendments made in the LC as per the request made by the Supplier shall be one by the supplier.
8	PERIOD OF VALIDITY OF BIDS	(d) Bids shall remain valid for a period of 180 DAYS after the date of the deadline for submission of bids prescribed by IITPKD.
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		(e) If the deadline is extended due to unforeseen circumstances, the bid	
		validity shall be deemed to have extended accordingly.	
9	TIME FOR SUPPLY, INSTALLATION, COMMISSIONING AND VALIDATION OF THE EQUIPMENTS/ITEMS	 (a) The Supplier shall supply the equipment/items within the period specified in the tender document i.e. within EIGHT WEEKS of signing the purchase order or within the period mutually agreed between IITPKD and supplier. All the equipment and accessories should be delivered at Microwave lab inside Manogatha building, IIT Palakkad Nila Campus, Kanjikode Malampuzha Road, Pudusserry West, Kanjikode, Kerala 678623. (b) The Supplier shall thereafter proceed with the installation, commissioning, integration and validation and demonstrate operational acceptance of the equipment/items within the period specified. The equipment/items shall be installed and commissioned by the successful bidder within 20 to 25 days from the date of its receipt. (c) The tenderer should indicate clearly the time required for delivery of the item. In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied. (d) In the event of failure of supply of the item/equipment/items within the stipulated delivery schedule, IITPKD has all the right to purchase the item/equipment/items from other sources on the total risk of the Supplier 	
		under the risk purchase clause.	
10	PRODUCT UPGRADES	The Supplier shall continue to support and maintain the version/model of the Equipment supplied by upgrading the software and the hardware as and when amendments are carried out in the existing version or the product is upgraded. Whereas upgrades to the software shall be supplied free of cost, the Supplier may charge for upgrade in hardware provided it is of major nature. An upgraded higher version of the instrument and software related with the instrument shall be	
11	PENALTIES	supplied. If the Supplier fails to complete any of the activities in accordance with the time	
		specified for it, or any extension of time granted by IITPKD, Liquidated	
		Damages Clause shall be invoked.	
12	UP-TIME GUARANTEE/		
	DOWNTIME PENALTY CLAUSE	(b) The Supplier should provide up-time guarantee of 95% (24 hours/day basis)	
	CLAOSE	both during warranty. If downtime exceeds the 5% limit, extension of the warranty period will be twice the excess down time period.	
13	LIQUIDATED	If a firm accepts an order and fails to execute the order, in full or part, as per	
	DAMAGES	the terms and conditions stipulated therein, it will be open to the Institute to recover liquidated damages from the firm at the rate of 1% of the value of the undelivered goods per month or part thereof, subject to a maximum of 5% of the value of the undelivered goods. It will also be open to the Institute alternatively, to arrange procurement of the required stores from any source, at the risk and expense of the firm, accepted and failed to execute the order according to stipulations agreed upon. This will also entail the removal of the defaulters' name from the approved/registered list of Suppliers.	
14	EFFECT OF FORCE	(a) If the Supplier is prevented, hindered, or delayed from or in performing	
	MAJEURE	 any of its obligations under the Contract by an event of Force Majeure, then it shall notify the IITPKD in writing of the occurrence of such event and the circumstances of the event of Force Majeure within FIFTEEN DAYS after the occurrence of such event. (b) The Supplier, when affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure upon its performance of the Contract and to fulfill its obligations under the Contract, but without prejudice to IITPKD's right to terminate the Contract. 	

		 (c) No delay or non-performance by the Supplier caused by the occurrence of any event of Force Majeure shall: Constitute a default or breach of the Contract; Give rise to any claim for damages or additional cost or expense occasioned by the delay or non-performance. (d) If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than THIRTY DAYS or an aggregate period of more than SIXTY DAYS on account of one or more events of Force Majeure, the IITPKD shall have the right to terminate the Contract by giving a notice to the Supplier.
15	EXTENSION OF TIME LIMITS FOR SUPPLY AND MAKING OPERATIONAL, THE EQUIPMENT	 (a) The time limit for supply, installation & commissioning, integration & validation shall be extended if the supply is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following: Any occurrence of Force Majeure; Any other matter specifically mentioned in the Contract; (b) By such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Supplier.
16	GOVERNING LAW AND SETTLEMENT OF DISPUTES	 (a) The Contract shall be governed by and interpreted in accordance with the laws of India. (b) Any dispute or claim arising out of/relating to this Contract of the breach, termination or the invalidity thereof, shall be settled by the Hon'ble Courts of Justice at Palakkad. (c) The page number should be marked in all pages serially (including all supporting documents enclosed with the tender document) and the declaration for the same shall be submitted by the bidder as in Annexure-II. (d) IITPKD reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever. No further correspondence in this regard will be entertained.

AWARD OF CONTRACT

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1	AWARD CRITERIA	 IITPKD will award the Contract to the Bidder whose bid has been determined to be substantially responsive and as per the Order No. P-45021/2/2017-PP(BE-II) dated 16- 09-2020 from Department for Promotion of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce and Industry, Govt. of India. The bidder should be a Class-I / Class-II Local Supplier meeting the requirement of minimum 20% Local Content in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP(BE-II) dated 16-09-2020. The Institute reserves the right to buy different items/quantities from different bidders considering price of individual/group of equipment/items or any other factors as decided by the Committee.
2	AWARD OF PURCHASE ORDER	1. Prior to the expiration of the period of bid validity,
		IITPKD will issue the Letter of Intent / Purchase Order to
		the successful Bidder in writing.
		2. Any amendment(s) in the Purchase Order will be permitted
		within SEVEN DAYS of its issuance. No amendments
		will be permitted beyond this period.3. The Purchase Order will constitute the foundation of the
		Contract.
3	CONTRACT AGREEMENT	1. Within SEVEN DAYS of receipt of the Purchase Order,
		the successful Bidder shall sign and date its copy on each
		page and return it to the Purchaser.
		2. Copy of Purchase Order duly signed and dated by the
		successful Bidder on each page shall constitute the
4	CONTRACT DOCUMENTS /	Contract Agreement. 1. All documents forming part of the Contract (and all parts
	AMENDMENT TO CONTRACT	of these documents) are intended to be correlative,
		complementary and mutually explanatory. The Contract
		shall be read as a whole.
1		2. The order of precedence of the Contract documents shall
		be as follows: (i) Contract Agreement/Purchase Order
		(i) Contract Agreement/Purchase Order(ii) All Forms/Annexures
		(iii) equipment/items and their requirement
		(iv) Supplier's Bid
		(v) Tender Document
		3. No amendment or other variation of the Contract shall be
		effective unless it is in writing, is dated, expressly refers to
		the Contract and is signed by a duly authorized
		representative of each party to the Contract.

REGISTRAR

	ANNEXURE-I	
Name of the Item:	Spectrum Analyzer and Vector Signal Generator	
Quantity:	Spectrum Analyzer - 1 No.	
Quantity.	Vector Signal Generator – 1 No.	
Warranty Period:	03 Years or 36 months or more	
Companies can bid for Spectrum Analyzer or Vector Signal Generator individually or both		

TECHNICAL SPECIFICATIONS

1. Spectrum Analyzer

S. No.	Items	IIT PKD required Specification
1	Frequency Range	10 kHz (or lower) to 23 GHz (or higher)
2	Frequency counter resolution	0.01 Hz
3	Analysis Bandwidth	40 MHz or better
4	Trigger	Free run, video, external, IF power
5	Aging Rate per year	1×10^{-6} or better
6	Temperature Drift (0 to 50) °C ±10%	2×10^{-6} or better
7	Sweep time range	Span = 0 Hz: 01 μ s to 8000 s or better Span \geq 10 Hz: 01 ms to 8000 s or better
8	Resolution Bandwidth range	1 Hz to 50 kHz in 1/2/3/5 steps or in 10% steps (or better) 100 kHz to 10 MHz in 1/2/3/5 steps or in 10% steps (or better)
9	Video Bandwidth range	1 Hz to 10 MHz in 1/2/3/5 steps or in 10% steps (or better)
10	Input attenuator range	0 dB to 45 dB $\pm 10\%$, in 5 dB steps $\pm 10\%$ or better
11	Phase Noise	frequency = 1 GHz carrier offset=10 kHz <-108 dBc (typ.) carrier offset=100 kHz <-111 dBc (typ.) carrier offset=1 MHz <-130 dBc (typ.)
12	Displayed Average Noise Level (DANL-with Preamp OFF)	10 to 100 kHz, -140 dBm (typ.) 100 kHz to 5 MHz, -140 dBm (typ.) 5 MHz to 6 GHz, -145 dBm (typ.) 6 to 20 GHz, -140 dBm (typ.) 20 to 23.5 GHz, 135 dBm (typ.)
13	Displayed Average Noise Level (DANL-with Preamp ON)	10 MHz - 2 GHz, -160 dBm(typ.) 2 GHz - 6 GHz, -160 dBm (typ.) 6 GHz - 14 GHz, -163 dBm (typ.) 14 GHz - 18 GHz, -161 dBm (typ.) 18 GHz - 23.5 GHz, -158 dBm (typ.)
14	Sweep Points	101 to 50,000 or better
15	Maximum Safe Input Level	+30 dBm or better
16	Third Order Intercept (TOI)	level -20 dBm, RF preamp off 10 MHz < fin < 300MHz, >13, 16 dBm (typ.) 300 MHz < fin < 6 GHz, >15, 18 dBm (typ.) 6 GHz < fin <20 GHz, >12, 18 dBm (typ.) 20 GHz < fin <23.5 GHz, 13 dBm, nom.
17	Second Harmonic Intercept (SHI)	+50 dBm norm @ 13.25 GHz or better
18	Trace Detector	Peak, Sample, RMS, Average
19	Measurements	Adjacent Channel Power, Occupied Bandwidth, Carrier to Noise Ratio, Spectrum Emission Mask, TOI, Harmonic Distortion, Spectrogram, AM, FM
20	Connector	Type-N Female, 50 Ohm
21	Pre-amplifier gain	+20dB or better

22	Interface	LAN
23	Display	Minimum 10-inch Touch Screen or Better
24	Operating System	Windows Based 20 GB SSD Internal Storage or Better
25	Operating Temperature	0 to 50 °C
26	Warranty	03 Years or 36 months
27	Power Supply	230 VAC, 50 Hz
28	Software (optional)	Signal Analysis Application for modulation analysis on digital modulated single carrier signals, Vector Signal Analysis Application for modulation analysis on digital modulated single carrier signals
29	Cables	Quantity: 2 Numbers minimum Precision type-N Male to Male Impedance: 50 Ohm Frequency range: same as that of spectrum analyzer quoted for.
30	DC blocking capability	YES
31	Annual maintenance contract (AMC) - (optional)	Quote required for yearly basis starting from ending of warranty period till 3 years (quote needs to be for annual period) after commencement of AMC.

2. Vector Signal Generator

S. No.	Items	IIT PKD required Specification
1	Fundamental frequency range	9 kHz (or lower) to 6 GHz (or higher)
2	Aging per year	1×10^{-6} or better
3	Temperature Effect	1×10^{-6} or better
4	Output Power over frequency range, freq >10MHz	-110 dBm to +15 dBm or better
5	Level Resolution	0.01 dB or better
6	Level Accuracy	$\leq \pm 1.0 \text{ dB for level} \geq -70 \text{ dBm or better}$
7	SSB Phase noise @20 kHz offset	-110 dBc/Hz @ 100 MHz or better -100 dBc/Hz @ 1 GHz or better -100 dBc/Hz @ 2 GHz or better -95 dBc/Hz @ 6 GHz or better
8	Harmonics @ 10 dBm F > 10 MHz	<-30 dBc or better
9	Internal Analog Modulation	AM, FM, Phase Modulation, Pulse Modulation to be supported
10	Internal Baseband Generator	60 MHz or Better
11	Internal Baseband generator resolution	12 Bits or better
12	Internal baseband memory depth	\geq 60 MSa or better
13	Multi-carrier Generation	Upto 200 carriers with configurable carrier spacing, random & fixed phase option
14a	Digital Modulation Support	BPSK, QPSK, Pi/4QPSK,8PSK, OQPSK, 16QAM,32QAM,64QAM, FSK
14b	Data Sources	PRBS9,11,15,20, Pattern upto 64-bit length
15	Interfaces	LAN, USB
16	Internal Storage	32 GB or Better

17	Internal Display	5-inch Colour Display or Better
18	Operating Temperature	+5 °C to +45 °C
19	Power Supply	230 VAC,50 Hz
20	Warranty	03 Years or 36 months or more
21	Cables	Quantity: 2 Numbers minimum Precision type-N Male to Male Impedance: 50 Ohm Frequency range: same as that of Vector Signal Generator quoted for.
22	DC blocking capability	YES
23	Annual maintenance contract (AMC) - (optional)	Quote required for yearly basis starting from ending of warranty period till 3 years (quote needs to be for annual period) after commencement of AMC.

<u>UNDERTAKING BY THE BIDDER</u> (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

We here by accept all the Terms and Conditions of the Tender Document and strictly adhere to the same in the event of getting Purchase order. We also declare that the Technical and Financial Bids submitted by us has NO DEIVATION from the Tender Terms and Conditions.

We hereby accept that the PRICES OF THE EQUIPMENTS/ITEMS QUOTED ARE AS PER THE INCOTERMS 2022 - DDP MODE, IIT PALAKKAD AND CLAUSE NO.6 OF THE TENDER DOCUMENT.

We hereby undertake that there are _____ pages, serially numbered, in the submitted tender including the supporting documents. (Please serially number all the pages including blank page, if any).

We have submitted our principal's exclusive authorization letter which is specific for this tender No. dated .

<u>Note:</u> This letter should be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent Authority.

ANNEXURE-III

<u>FALL CLAUSE NOTICE CERTIFICATE</u> (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

This is to certify that we have offered the maximum possible discount to you in our Quotation No. ______ dated _____ (Please do not reveal the prices here, which will lead to outright rejection of your bid).

The prices charged for the Stores supplied under tender should under no event be higher than the lowest prices at which the party sells the items of identical description to any other Govt. organization/PSU's/Central Govt., /State Govt. Autonomous bodies/Central/state Universities/Central/State Educational Institutions, failing which the "FALL CLAUSE" will be applicable. The institute will look into a reasonable past period to ensure this.

In case, if the price charged by our firm is found to be more, **IIT Palakkad** will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier.

<u>Note:</u> This letter of authority should be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent Authority and having the power of attorney.

ANNEXURE-IV

UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT

Tender No.

To,

M/s. Indian Institute of Technology Palakkad Ahalia Integrated Campus, Kozhipara, Palakkad, Kerala 678623

We hereby confirm and declare that we, M/s ______ are not blacklisted/ De-registered / debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services.

For Company Name and Seal Authorised Signatory

<u>Note:</u>This letter should be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent Authority.

FORMAT FOR SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

Format for Affidavit of Self-Certification regarding Minimum Local Content in line with "Make in India" Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020)

Date: ______ I/We ______ S/o, D/o, W/o, _____ Resident of

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (hereinafter PPP-MII order) of Government of India issued vide Notification No:P-45021/2/2017 - BE-II dated 15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
	I/We [name of the manufacturer] hereby confirm in respect of quoted items(s) that Local Content is equal to or more than 50% and come under "Class-I Local Supplier" category.
	I/We [name of the manufacturer] hereby confirm in respect of quoted items(s) that Local Content is more than 20% but less than 50% and come under "Class-II Local Supplier" category.
	I/We [name of the manufacturer] hereby confirm in respect of quoted items(s) that Local Content is less than or equal to 20% come under "Non-Local Supplier" category.

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors) <Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]