

Indian Institute of Technology Palakkad

भारतीय प्रौद्योगिकी संस्थान पालक्काड

STORES & PURCHASE SECTION

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GeM ARPTS No. GEM/GARPTS/060720021/3ODFRWF3Q0WE dated 06-07-2021

Tender No. ITPKD/PRJ/JK/2021-22/023
Date of Publication: 13-10-2021
Date/Time of Closing: 03-11-2021, 1500 hours

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

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SOURCE METER

Conforming to the specifications as in BoQ Technical.

Tender Documents may be downloaded from the e-Wizard Portal https://mhrd.euniwizarde.com/. Aspiring Bidders who have not enrolled / registered in e-Wizard should enroll / register before participating through the website https://mhrd.euniwizarde.com/. 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 https://mhrd.euniwizarde.com/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	13-10-2021
3	Last Date/Time for submission of ONLINE Bids	03-11-2021, 1500 hours
4	Opening of Technical Bids	03-11-2021, 1515 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.

TERMS AND CONDITIONS

		TERMS AND CONDITIONS
1	GENERAL	 (a) The responsibility of submission of the bids on or before the last date 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,

2 COMPOSITION OF THE TENDER DOCUMENT (a) The Tender Document comprises of: Instruction to the bidders including terms and conditions 1. Technical Specifications (Annexure-I) 2. Format For Self-Certification Under Preference To Make India (Annexure-II) 3. Bid Security Declaration Form (Annexure-III) 4. Undertaking by the Bidder (Annexure-IV) 5. Fall Clause Notice Certificate (Annexure-V) (a) The Technical, Techno-commercial and Commercial Bids (Corone) and Commercial Bid (Cover Two) shall be submitted ONLII through the e-Wizard Portal. (b) Bids submitted in any mode other than ONLINE will be reject outright. (c) Documents establishing the conformity of the terms and conditions the Tender Document shall be provided along with the bid. To offer/bids should be sent only for a system or that is available in market and supplied to a number of customers. A list of customers India and abroad with details must accompany the quotation Quotations for a prototype machine will not be accepted. (d) Original catalogue (not any photocopy) of the quoted model duly sign by the principals must accompany the quotation in the Technical bid. prices should ever be included in the Technical bid. (e) Compliance or Confirmation report with reference to the specification and other terms and conditions should also be obtained from principal.
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principal.
(f) Information related to the agency/bidder such as photocopies of
Registration/PAN/GST/TIN shall be furnished.
(g) The technical bid should consist of all technical details along w
commercial terms and conditions. No prices should be included in tachnical hid. Mantianing of Prices in the Technical Rid shall lead
technical bid. Mentioning of Prices in the Technical Bid shall lead
DISQUALIFICATION.
(h) Bidders who are bidding for this tender shall,
1) Should have implemented at least three orders of SOUR
METER during previous three financial years (2018-19, 2019-
2020-2021) from Centrally Funded Technical Institutes (IITs, NI
IISc, IISER), DRDO, ISRO, CSIR labs or Government Firms
India. Copies of the most recent purchase orders and user certifications and the second of the secon
of successful implementation must be included. Copies of finance
statements or evidence of turnover must be furnished.
2) Have an Average Annual Turnover of Rs 60,00,000 (RUPE
SIXTY LAKHS ONLY) during each of the last THREE finance
years (2018-19, 2019-20, 2020-2021). The bidder shall enclose
audited statements of the indicated financial years, which should have
been certified by a Chartered Accountant or a Competent Authority
3) Digitally signed Tender Document should be submitted in Co
One.
4 EARNEST MONEY (a) The bidder shall furnish, as part of the technical bid, Bid Secur
DEPOSIT (EMD) Declaration Form as per the Annexure-II.
(a) Bids not accompanied by Bid Security Declaration Form shall
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
		commencement of the Warranty.
		(b) The performance security shall be a bank guarantee (in the format as
		provided) issued by the Indian Scheduled bank acceptable to the IITPKD
		or a Demand Draft favoring, INDIAN INSTITUTE OF TECHNOLOGY
		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, 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
	BID PRICES AND	bids.
6	CURRENCY AND	(a) Prices must be quoted separately for each equipment/item identified.(b) Price quoted for equipment/items must include all costs associated with
	CORRENCT	packing, transportation, insurance, delivery of equipment/items, taxes
		(separately), loading and unloading on DOOR DELIVERY basis to the
		institute including its installation, commissioning, integration and
		validation.
		(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) only.
7	PERIOD OF VALIDITY	(a) Bids shall remain valid for a period of 180 DAYS after the date of the
	OF BIDS	deadline for submission of bids prescribed by IITPKD.
		(b) If the deadline is extended due to unforeseen circumstances, the bid
	MIME FOR CURRY	validity shall be deemed to have extended accordingly.
8	TIME FOR SUPPLY,	(a) The Supplier shall supply the equipment/items within the period
	INSTALLATION, COMMISSIONING AND	specified in the tender document i.e. within THREE MONTHS of signing the purchase order or within the period mutually agreed between
	VALIDATION OF THE	IITPKD and supplier. All the equipment and accessories should be
	EQUIPMENTS/ITEMS	delivered at 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.			
9	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			
10	PENALTIES	supplied. If the Supplier fails to complete any of the activities in accordance with the time.			
10	PENALTIES	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.			
11	UP-TIME GUARANTEE/	(a) The Supplier should provide up-time guarantee of 95% [24 (hours) X 7 (days)			
11	DOWNTIME PENALTY	X 365 (days)] basis during the warranty period.			
	CLAUSE	(b) The Supplier should provide up-time guarantee of 95% (24 hours/day basis)			
		both during warranty. If downtime exceeds the 5% limit, extension of the			
		warranty period will be twice the excess down time period.			
12	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			
12	EFFECT OF FORCE	defaulters' name from the approved/registered list of Suppliers. (a) If the Supplier is prevented, hindered, or delayed from or in performing			
13	MAJEURE	any of its obligations under the Contract by an event of Force Majeure,			
	MAJECKE	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:			
		i. Constitute a default or breach of the Contract;			
		ii. 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 THIRTYDAYS 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.			
14	EXTENSION OF TIME	(a) The time limit for supply, installation & commissioning, integration &			
	LIMITS FOR SUPPLY	validation shall be extended if the supply is delayed or impeded in the			
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	AND MAKING	performance of any of its obligations under the Contract by reason of
	OPERATIONAL, THE	any of the following:
	EQUIPMENT	i. Any occurrence of Force Majeure;
		ii. 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.
15	GOVERNING LAW	(a) The Contract shall be governed by and interpreted in accordance with
	AND	the laws of India.
	SETTLEMENT	(b) Any dispute or claim arising out of/relating to this Contract of the
	OF DISPUTES	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-IV.
		(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

1	AWARD CRITERIA	1.	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.
		2.	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. 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.
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
		2	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
		2.	page and return it to the Purchaser. Copy of Purchase Order duly signed and dated by the
		2.	successful Bidder on each page shall constitute the
			Contract Agreement.
4	CONTRACT DOCUMENTS /	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.
		2.	The order of precedence of the Contract documents shall
			be as follows:
			(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

TECHNICAL SPECIFICATIONS

Tender spec of Dual channel SMU

No of channels	2		
Operation	4 Quadrant		
Power	30W per channel, 60W total or more		
	Voltage Parameters		
	Source	Measure	
Ranges	200mV to 200V	200mV to 200V	
Lowest Resolution	5 μV	100 nV	
Accuracy @ 200mV	0.02% + 375 μV	0.015% + 225 μV	
Input resistance for V meter	>10 ^14 Ω		
Typical noise at 20V source	< 300 μV		
	Current Parameters		
	Source	Measure	
Ranges	1nA to 1.5A and 10A pulse	100pA to 1.5A and 10A pulse	
Lowest Resolution	20fA	0.1fA	
Accuracy @ 100μA	0.03% + 60 nA	0.02% + 25 nA	
Settling time	100	μS	
Typical noise at 10nA source	2p	A	
Sense Input impedance	>10 ^14 Ω		
High capacitance mode	50μF, from 600μS to 20mS settling time for	r voltage and 100μS to 230 mS for current	
Contact check function	Should be available between 1mS to 36mS	with 3 speed modes	
Pulse current	Up to 10A, from 100 µs to 8.5mS with prog		
Sample connection point	Pulse should be available simultaneously o 3 slot Triax connector with 2 and 4 wire co		
I/O connectivity	GPIB, USB, LAN(LXI), Rs-232, TSP, Digital I/O		
TSP extension ports	Should be available to integrate multiple Si	MUs in tight time synchronisation	
EMC	Should Conform to European Union Directi	ve 2004/108/EEC, EN 61326-1	
Safety	Should conform to European Union Directive 73/23/EEC, EN 61010-1, and UL 61010-1.		
Maximum measurement speed to internal memory	20,000 readings/sec, buffer size of 1.4 lakh	s or better	
Dimension & Weight	Normal Bench Configuration: 104mm high Less than 6 Kg	× 238mm wide × 460mm deep	
Accessories to be supplied	Low noise Traix to Alligator cable-4nos, LAI software for instrument control and data is suite).		
Warranty	3 year warranty		
After sales Support Manufacturer should have repair and calibration facility in India. Supplier should provide the authorisation certificate from manufacturer.			

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)

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Date:	S/o, D/o, W/o,
Resident	
Hereby so	plemnly affirm and declare as under:
(hereinaft	Il agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 per PPP-MII order) of Government of India issued vide Notification No:P-45021/2/2017 -BE-II dated 15/06/2017, and dated 28/05/2018 and any subsequent modifications/Amendments, if any and
	local content for all inputs which constitute the said goods/services/works has been verified by me and I am le for the correctness of the claims made therein.
Tick (✓	and Fill theAppropriate 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
For and o	n behalf of(Name of firm/entity)
	ed signatory (To be duly authorized by the Board of Directors) ame, 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.]

<u>BID SECURITY DECLARATION FORM</u> (TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

Date:	render No
To (insert complete nar	ne and address of the purchase)
I/We. The undersigned,	declare that:
I/We understand that, a	ccording to your conditions, bids must be supported by a Bid Securing Declaration.
	ay be disqualified from bidding for any contract with you for a period of one year from the am /We are in a breach of any obligation under the bid conditions, because I/We
bid validity spo b) Having been n or reuse to ex	wn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of ecified in the form of Bid; or notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail ecute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in the Instructions to Bidders.
	id Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon ceipt of your notification of the name of the successful Bidder; or (ii) thirty days after the y of my/our Bid.
Signed: in the capacity of	(insert signature of person whose name and capacity are shown) (insert legal capacity of person signing the Bid Securing Declaration)
Name:	(insert complete name of person signing he Bid Securing Declaration)
Duly authorized to sign	the bid for an on behalf of (insert complete name of Bidder)
Dated on	_ day of(insert date of signing)
Corporate Seal (where a	appropriate)
(Note: In case of a Joi Venture that submits the	int Venture, the Bid Securing Declaration must be in the name of all partners to the Joint e bid)
	ould be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent ission of this will lead to DISQUALIFICATION of bids.

UNDERTAKING BY THE BIDDER (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 here by accept that the PRICES OF THE EQUIPMENT/ITEMS QUOTED IS IN INDIAN RUPEES ONLY (INR). I am aware that if the price is not in INR, the application shall be summarily rejected. 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 _____. Note: This letter should be on the letterhead of the quoting firm and should be signed by a Competent Authority. ANNEXURE-V FALL CLAUSE NOTICE CERTIFICATE (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. Note:

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.