

Indian Institute of Technology Palakkad

भारतीयप्रौद्योगिकीसंस्थानपालक्काड

STORES & PURCHASE SECTION

Email: purchase@iitpkd.ac.in Telephone: 04923-226586/87 GSTIN: 32AAAAI9910J1ZR

Tender No. IITPKD/CE/MK/2021-22/042 Date of Publication: 04-03-2022 Date/Time of Closing: 25-03-2022, 1500 hours

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

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF Fatigue rated, center-hole type, compression force transducers (500 kN)

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	04-03-2022
2	Last Date/Time for submission of ONLINE Bids	25-03-2022, 1500 hours
3	Opening of Technical Bids	25-03-2022, 1515 hours

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, 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. Format For Self-Certification Under Preference To Make In		
		India(Annexure-II)		
		3. Bid Security Declaration Form (Annexure-III)		
		4. Undertaking by the Bidder (Annexure-IV)		
		5. Fall Clause Notice Certificate (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/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 bid. Mentioning of Prices in the Technical Bid shall lead to		
		DISQUALIFICATION.		
		(h) Bidders who are bidding for this tender shall,		
		1) Should have implemented at least three orders of "Fatigue rated		
		force transducers (≥ 200 kN) in the past three financial years		
		(2018-19, 2019-20, 2020-2021) or the current financial year (2021-		
		22)."from Centrally Funded Technical Institutes (IITs, NITs, IISc,		
		IISER), DRDO, ISRO, CSIR labs. 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) Have an Average Annual Turnover of Rs 12,00,000 (RUPEES		
		TWELVELAKHS) during each of the last THREE financial		
		years (2018-19, 2019-20, 2020-2021). 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.		
		1) Digitally signed Tender Document should be submitted in Cover		
		One.		
4	EARNEST MONEY	(a) The bidder shall furnish, as part of the technical bid, Bid Security		
	DEPOSIT (EMD)	Declaration Form as per the Annexure-II.		
		(b) Bids not accompanied by Bid Security Declaration Form shall be		
		DISQUALIFIED.		

5	PERFORMANCE SECURITY	 (a) The performance security shall be submitted within FIFTEEN DAYS of 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 uptoSIXTYDAYS 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 bids.
6	BID PRICES AND CURRENCY	 (a) Prices must be quoted separately for each equipment/item identified. (b) Price quoted for equipment/items must include all costs associated with 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.
7	PERIOD OF VALIDITY OF BIDS	(a) Bids shall remain valid for a period of 180 DAYS after the date of the deadline for submission of bids prescribed by IITPKD.(b) If the deadline is extended due to unforeseen circumstances, the bid validity shall be deemed to have extended accordingly.
8	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 10 – 12 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 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 supplied.			
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)			
	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			
10		defaulters' name from the approved/registered list of Suppliers.			
13	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:			
		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			
	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.
		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.
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
			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
		2	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
		J.	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.
			representative of each party to the Contract.

REGISTRAR

ANNEXURE-I

Technical Specifications

Technical specifications for fatigue rated, center-hole type, compression force transducers

The supplied load cells should meet or exceed the below specifications.

	Strain gauge based		
Type	Center-hole type		
	Compression only		
Nominal load	500 - 525kN		
Quantity	4 numbers		
Accuracy	≤ 0.5% of full scale		
Nominal sensitivity	2 mV/V or better		
Nonlinearity	≤ 1.0%		
Creep	≤ 0.1 %		
Excitation voltage	~ 1 V – 10 V		
Breaking force	≥ 200% of nominal load		
Permissible oscillatory stress	≥ 60% of nominal load		
Shock resistance	\geq 60g for 1000 cycles		
Frequency range	10-60 Hz or better		
Operating temperature	-10°C to +65°C or better		
Material	Hermetically sealed carbon steel / stainless steel or similar rust resistant material		
Weight	≤ 2 kg		
	Overall height: ≤ 100 mm		
Dimensions	Overall diameter: ≤ 100 mm		
	Diameter of center-hole: 30 mm – 40 mm		
Cable	≥ 6 m of integrated cable		
Protection class	IP68 or better		
Standard Warranty	1 yearfor the equipment from the date of commissioning/installation of the equipment		

ANNEXURE-II

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 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 [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
Authorized signatory (To be duly authorized by the Board of Directors) <insert and="" contact="" designation="" name,="" no.=""></insert>

[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.]

ANNEXURE-III

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

Date:	Tender No			
To (insert complete na	me and address of the purchase)			
I/We. The undersigned	l, declare that:			
We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.				
	nay 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			
 a) Have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period bid validity specified in the form of Bid; or b) Having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) f or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, accordance with the Instructions to Bidders. 				
	Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon eccipt of your notification of the name of the successful Bidder; or (ii) thirty days after the tty 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	n the bid for an on behalf of (insert complete name of Bidder)			
Dated on	day of(insert date of signing)			
Corporate Seal (where	appropriate)			
(Note: In case of a Jo Venture that submits the	oint Venture, the Bid Securing Declaration must be in the name of all partners to the Join ne bid)			
	hould be on the <u>letterhead of the quoting firm</u> and should be signed by a Competent sission of this will lead to DISQUALIFICATION of bids.			

ANNEXURE-IV

<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 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 <u>letterhead of the quoting firm</u> 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 Govo 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 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
Competent Authority and having the power of attorney.