

Indian Institute of Technology Palakkad

भारतीय प्रौद्योगिकी संस्थान पालक्काड

STORES & PURCHASE SECTION

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Tender No. TENDER/2022-23/035

Date of Publication: 04-07-2022 <u>Date/Time of Closing: 25-07-2022, 1500 hours</u>

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

FABRICATION, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF

DRILLING MACHINE

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	04-07-2022
2	Last Date/Time for submission of ONLINE Bids	25-07-2022, 1500 hours
3	Opening of Technical Bids	25-07-2022, 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

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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. 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, 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 Ins
	(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. Undertaking by the Bidder (Annexure-III)
	4. Fall Clause Notice Certificate (Annexure-IV)

3 DOCUMENTS COMPRISING THE BID	(a) The Technical, Techno-commercial and Commercial Bids (Cover 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 satisfy
	 Bidder/OEM should have implemented at least three orders of Drilling machines or allied items (with auto-feed capability) during the last five financial years (2017-18, 2018-19, 2019-20, 2020-2021, 2021-22) from Centrally or State Funded Technical Institutes (IITs, NITs, IISc, IISER, ITI), DRDO, ISRO, CSIR labs or Government Firms in India. Copies of the purchase orders and user certificates of successful implementation must be included. They must attach the order copies with the names, contact nos. and email ID of concerned researchers/persons. Bidder must have an Average Annual Turnover of Rs 15,00,000 (RUPEES FIFTEEN LAKHS) during each of the last THREE financial years (2018-19, 2019-20, 2020-2021, 2021-22(if available)). 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. Digitally signed Tender Document should be submitted in Cover One.
4 EARNEST MONEY DEPOSIT (EMD)	(a) The bidder shall furnish EMD of Rs 30,000 /- (Rupees THIRTY Thousand Only) through online payment gateway in the E-Wizard.
	(b) Bids not accompanied by EMD 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. (d) Prices of the equipment/items shall be quoted in Indian Rupees (INR) only.
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 THREE MONTHSof 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/ DOWNTIME PENALTY CLAUSE	 (a) The Supplier should provide up-time guarantee of 95% [24 (hours) X 7 (days) X 365 (days)] basis during the warranty period. (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 DAMAGES	If a firm accepts an order and fails to execute the order, in full or part, as per 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.

13	EFFECT OF FORCE MAJEURE	(a) If the Supplier is prevented, hindered, or delayed from or in performing 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 LIMITS FOR SUPPLY AND MAKING OPERATIONAL, THE	(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:		
	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 AND	(a) The Contract shall be governed by and interpreted in accordance with the laws of India.		
	SETTLEMENT OF DISPUTES	(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-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	 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 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	 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. Any amendment(s) in the Purchase Order will be permitted within SEVEN DAYS of its issuance. No amendments will be permitted beyond this period. The Purchase Order will constitute the foundation of the Contract.
3	CONTRACT AGREEMENT	 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. Copy of Purchase Order duly signed and dated by the successful Bidder on each page shall constitute the Contract Agreement.
4	CONTRACT DOCUMENTS / AMENDMENT TO CONTRACT	 All documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole. The order of precedence of the Contract documents shall be as follows: Contract Agreement/Purchase Order All Forms/Annexures equipment/items and their requirement Supplier's Bid Tender Document 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

Technical Specifications

QTY:

Sl No	Specification	Recommended	Confirma tion by Supplier (Yes/No.)	Remarks/Deviations. Mention Page-Number of supporting document for proof of compliance of each specification
		Machine Capacity		
1	Drilling Capacity in steel	50mm or Greater		
2	Tapping Capacity	40mm or Greater. The spindle should reverse the direction of rotation after the pre set depth is tapped		
		Machine Construction		
3	Pillar Diameter	Minimum 175 mm. Pillar must use a Seamless pipe vertical column		
4	Distance between centre of Spindle and pillar front	Minimum 350 mm		
5	Maximum distance between Spindle and table	Minimum 600 mm		
	Maximum distance between Spindle and Base	Minimum 1000 mm		
	Table working surface	Minimum 400 x 500 mm		
	Table vertical traverse	Minimum 600 mm. Motorized up and down movement of the arm and table assembly		
9	Base working surface	minimum 400 x 460 mm		
10	Dimension	Maximum footprint 1500mm x 1000mm. Maximum Height 2500 mm		
11	Net weight	Maximum 1200 kgs		
12	Integrated Coolant System and Tank	Required Separate coolant tank not acceptable due to space constraints.		
13	Inbuilt LED Light Fitting	Required (Warm or neutral)		
14	Steel Quill	Required		
15	Phosphor Bronze Worm wheel	Required Worm wheel reduction must be done in oil bath		
16	Emergency Stops	Must be configured to switch off all the motors at the same time		
17	Power Supply	Electrical connection using shielded cable from 3-phase point is under the scope of the vendor. Maximum cable length 10 m.		
	Spindle and AutoFeed			
18	Morse Taper in spindle	MT 4		
19	Spindle material	EN 353 nose hardened and ground		
20	Spindle Traverse	Minimum 200 mm with auto feed. Auto feed must have electromagnetic clutch. Clutch Engaging/Disengaging must be automatic by pressing a button		
21	No. of spindle speed	12 or Greater		

22	Range of spindle speed	25, 50, 75, 95, 150, 170 190, 340, 475, 600,950, 1200 rpm		
23	Power of spindle drive motor	Minimum 3HP 2 speed.		
24	No. of power feeds	4 or Greater		
	Range of power feeds	0.07, 0.15, 0.25, 0.40 mm/rev		
		Tapping		
		Required.		
33	Inbuilt Tapping Attachment	Spindle must reverse the direction of rotation after the pre-set depth		
	Tapping Floating Chuck	Users must be able to set the required torque for each tap size. In the event of overload the tapping chuck should stop/slip so that the tap will be protected.		
35	Tapping Floating Chuck range M8-M20	1 No		
30	(M8, M10, M12, M16)	1 No. for each size		
3/	Tapping Floating Chuck range M14 –M33	1 No		
38	Tapping adaptor for the above (M20, M24, M30, M33)	1 No. for each size		
		Other Accessories (Mandatory)		
39	Machine Vice – 6"	1 No		
40	19mm Drill chuck with key and MT4 Arbor	1 No		
41	13mm Drill chuck with key and MT3 Arbor	1 No		
42	Reduction Sleeves – MT 4 - 3	1 No		
	Reduction Sleeves – MT 4 – 2	1 No		
44	Reduction Sleeves – MT 4 - 1	1 No		
45	Set of all standard size of drill bit and tap	2 numbers for each of the following Drill bit material: HSS Drill bit size required: 1mm, 2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm Taping bit material: HSS Taping bit size required: M2*0.4, M3*0.5, M4*0.7, M6*1, M8*1, M10*1.5, M12*1.25, M14*2, M16*2, M18*2.5, M20*2.5		
46	Drill bit of size 50 mm, 30mm, 20 mm	1 No for each size. Material : HSS with carbide tip		
	20 IIIII	Warranty		
47	Warranty	1 Year		
. /			on on tech	nical grounds
1	IMPORTANT Non-compliance on below points can lead to disqualification on technical grounds. The bidder must provide detailed specification of each item in the "Remarks" column. Model numbers, data sheets and brochures must be included for each quoted equipment/accessories/item. Page-Number of supporting document for proof of compliance of each specification must be mentioned.			
2		quoted model number must be available publicly via		
3	themselves of the proven capab The bidder must provide these	Palakkad reserves the right to ask for photographs/CA ilities of the bidder in manufacturing systems similar the details within two working days of receiving such a redder can be taken on the basis of these photographs/CA	o the one th quest via en	nat is being specified here. nail. Decision regarding

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	
Resident	
Hereby so	olemnly affirm and declare as under:
(hereinaft	Ill agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 fer PPP-MII order) of Government of India issued vide Notification No:P-45021/2/2017 -BE-II dated 15/06/2017, on 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 ple 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.
Authorize	on behalf of

[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>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 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. _____ pages, serially numbered, in the submitted tender We hereby undertake that there are 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 dated . Note: This letter should be on the letterhead of the quoting firm and should be signed by a Competent Authority. ANNEXURE-IV **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 letterhead of the quoting firm and should be signed by a

Competent Authority and having the power of attorney.