



INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY

(Ministry of Food Processing Industries, Government of India)

Pudukkottai Road, Thanjavur -613 005, Tamil Nadu

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File No. IIFPT/PO/Equipment/2019-20/46

Date: 09.08.2019

NOTICE FOR INVITING TENDER THROUGH E-PROCUREMENT

Online Bids are invited from the manufacturers/dealers/distributors interested firms under **Two bid system (Technical bid/financial bid)** for Supply of the following equipment at IIFPT-**Thanjavur**.
Manual bids shall not be entertained.

Sl. No.	Equipment Name
1	DNA SEQUENCER as per detailed specifications below.

Tender documents may be downloaded from e-procurement website of CPPP <https://eprocure.gov.in/eprocure/app> as per the schedule given in CRITICAL DATE SHEET as under:

CRITICAL DATE SHEET

Tender No.	IIFPT/PO/Equipment/2019-20/46
Name of Organization	Indian Institute of Food Processing Technology, Ministry of Food Processing
Date and Time for Issue/Publishing	09.08.2019 at 06.00 P M
Document Download/Sale Start Date and Time	09.08.2019 at 06.00 PM
Pre-Bid meeting date and time	16.08.2019 at 03.00 PM
Bid Submission start Date and Time	19.08.2019 at 11.00 AM
Bid Submission End Date and Time	09.09.2019 at 11:00 A M
Date and Time for Technical Bid Opening	10.09.2019 at 11:30 AM
Date and Time for Financial Bid opening	WILL BE INTIMATED.
Address for Communication	Director, IIFPT, Pudukkottai Road, Thanjavur-613 005

**Sd/-
DIRECTOR**

Annexure-I

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The Tender form/bidder document may be downloaded from the <https://eprocure.gov.in/eprocure/app> **Online submission of Bids through** Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) is mandatory. Manual/Offline bids shall not be accepted under any circumstances.
2. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in/eprocure/app> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
3. Technical Bids will be opened on **10.09.2019**. Financial Bids will be opened later after finalizing the technical bids.
4. **Pre-Bid for DNA SEQUENCER for which a presentation by the authorized manufacturers/distributors/dealers can be done by their authorized representatives of the concerned equipment on 16.08.2019 by 03.00 PM at IIFPT, Thanjavur.** Representatives attending the meeting should produce necessary authorization letter from the company indicating the name and mobile no of the person attending the tender opening or mail could be sent to the PO mail ID
5. In case, any holiday is declared by the Government on the day of opening, the tender will be opened on the next working day at the same time. IIFPT reserves the right to accept or reject any or all the tenders.
6. **The interested firms participating in the tender are required to deposit Rs. 10,000/- (Rupees Ten thousand only) as Earnest Money Deposit (EMD) for each item in the form of Bankers Cheque / Demand Draft from any of the Commercial/National Bank in favour of THE DIRECTOR, IIFPT, Thanjavur payable at Thanjavur or Bid Security Declaration in the prescribed format available along with the tender document. Bidders registered under NSIC for the tender item or having Udyog Adhar Memorandum number or registered as MSE as per MSME Act 2012 are exempt from payment of EMD and they must upload the concerned certificate. Claiming EMD exemption without uploading the certificate will result in rejection of the bid summarily.**
7. **Please note that only online Bids will be accepted. HARD COPIES SHOULD NOT BE SENT.**
8. **EMD BY WAY OF Original Bankers Cheque or Demand Draft SHOULD BE SENT by courier/post to the Director, IIFPT, Thanjavur AND RECEIVED on or before bid opening date and time as mentioned in the Critical Date Sheet. IF EMD IS NOT RECEIVED OR RECEIVED LATE, THEN BIDS WILL BE REJECTED SUMMARILY.**
9. **Technical Bid consisting the detailed technical specification regarding make and model of all the equipment, sub items, additional items, brochures and write-ups including the terms and conditions should be mentioned in both the technical and financial bids.**
10. Financial Bid indicating item-wise price for the items mentioned in the Technical Bid including the terms and conditions may be indicated.

11. Warranty: Minimum two years from the date of installation.

12. Performance Security: 10% of cost of the instrument for 26 months by means of Crossed Bankers Cheque or Demand Draft drawn in favour of the Director, IIFPT or Bank Guarantee or Joint Fixed Deposit from a national/commercial bank in favour of the Director, IIFPT, Thanjavur.

13. Bidders need not to come at the time of Technical as well as Financial bid opening at IIFPT, Thanjavur. They can view live bid opening after login on CPPP e-procurement portal at their remote end. If any dispute arises, it will be within the Thanjavur Jurisdiction only.

14. Operation kit/ Manual should be provided for startup and regular operation of the equipment.

i. For Equipment manufactured in India:

- a. Price of the equipment quoted Ex-works should be including the GST. Necessary breakup should be given.
- b. GST and other taxes if any which will be payable on the goods if offer is accepted.
- c. Charges towards inland transportation, insurance and other local services required for delivering the goods at the desired destination should be specified in the price bid.
- d. Installation/ commissioning should be completed within twenty days from the date of receipt of equipment at **INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY, PUDUKKOTAI ROAD, THANJAVUR-613 005, TAMILNADU**, without charges failing which the liquidated damages clause shall apply. Proper training should be provided to the end users upto their satisfaction after completion of installation/ commissioning.

ii. For Equipment manufactured abroad:

- a. Price quoted in CIF / CIP should have necessary break-up.
- b. Installation / commissioning should be completed within twenty days from the date of receipt of equipment at **INDIAN INSTITUTE OF FOOD PROCESSING TECHNOLOGY, PUDUKKOTAI ROAD, THANJAVUR-613 005, TAMILNADU**, without any charges failing which the liquidated damages clause shall apply.
- c. Proper training should be provided to the end user up o their satisfaction after completion of installation / commissioning.

15. The firms are also required to upload copies of the following documents along with the Technical Bid: -

• Technical Bid :

- a) Scanned copy of Earnest Money Deposit (EMD)/its exemption, if any.
- b) Scanned copy of Firm's registration, PAN Card, GST No.
- c) Scanned copy of authorization issued by the Manufacturers / Principal
- d) Scanned copy of Annexure-II, IV and V may be signed with company seal.

- e) Scanned copy of User List/Purchase Orders, Performance certificate after satisfactory installation.
- f) Scanned Copy of Make and model of all systems, sub systems and additional items should be mentioned in the technical bid and complete technical details should be provided in the form of Brochures and write-ups.
- **Financial Bid:-**
 - a) Price Bid as BOQ XXX.xls

Sd/-
DIRECTOR

Annexure-II

Terms & Conditions

1. The tenderer shall quote rates, which will include the delivery & other incidental charges. Taxes, if any, should be indicated separately.
2. The rates should be quoted as per the BOQ uploaded on the CPP Portal (reference may be obtained from Annexure-III). Taxes, if any, should be indicated separately. It must be noted that the supply/contract shall be awarded to the firm which fulfils all the required terms and conditions and remains L-I for any particular item.
3. The firm must also possess valid PAN No. & GST registration number and a copy of the same must also be enclosed with the tender document.
4. Modification in the tender document after the closing date is not permissible.
5. The successful firm shall have to supply the various Scientific Equipment /undertake the work within the time frame set in the supply/work order confirming to the supply/work order. The rates quoted shall be valid for six months from the date of opening of tender.
6. No variation in terms of quality of the items shall be entertained or else EMD/Security deposit shall be forfeited.
7. The Director, IIFPT, Thanjavur, shall have the right to reject all or any of the offers, accept more than one offer, and assign part of the job without assigning any reason.
8. Merely quoting of lowest rates does not mean that order shall be given to that firm. The competent authority will finally decide on the basis of quality & performance of past installations.
9. The interested Firms are required to deposit (in original) an Earnest Money Deposit (EMD) of Rs.10,000/- for each item in the form of Bankers Cheque / Demand Draft from any of the Commercial / National Bank in favour of **THE DIRECTOR, IIFPT, Thanjavur payable at Thanjavur on or before bid opening date and time as mentioned in the Critical Date Sheet. Scanned copy of the Bankers Cheque / Demand Draft / Bid security declaration should be uploaded along with the online Technical Bid.** No tender shall be considered without earnest money deposit or bid securing declaration or EMD exemption for MSE as per MSME ACT 2012 and the tender received without EMD or such declaration or EMD exemption will be rejected. The earnest money if it is received in the form of Bankers cheque / Demand Draft it will be refunded only after the finalization of the procurement and no interest will be paid on earnest money.
10. If the article(s) is/are taxable the rate of tax should be indicated separately, otherwise it would be treated as nontaxable item. The rate should be FOR destination for delivering the items at Indian Institute of Food Processing Technology, **Thanjavur, Tamilnadu** and should include all charges such as packing, forwarding including loading/unloading etc. Insurance charges, if any, are to be borne by the suppliers.
11. For import item the price quoted in foreign currency could be on CIF/CIP basis for supply to the nearest airport to **Chennai**. Customs clearance, local transportation etc., involved for delivering the item, at **IIFPT- Thanjavur** will be the responsibility of the supplier. Customs Duty applicable would be paid by IIFPT, Thanjavur which may be obtained timely for clearing the cargo in time. Documents required for clearing the goods could be

obtained timely by the Indian agent of the respective principals from IIFPT, Thanjavur. Import document details should be timely provided by the Indian agent/ Foreign principals.

12. Rates once finalized will not be enhanced/reduced during the currency of the contract.
13. In case, the successful bidder shows inability at any stage, after the supply / contract is finalized and the supply order / work order is issued, for whatsoever reason(s), to honour the supply / contract, the earnest money /performance security deposited would be forfeited.
14. The Director, IIFPT reserves the right to cancel the supply / contract at any time during the currency period of the supply / contract without giving any reason.
15. The firm to whom the order for supply / contract is awarded, the firm will have to deposit the performance security equal to 10% of the base value of supply / work at the time of installation of the equipment. If the services are not found to be satisfactory, the performance security is liable to be forfeited. No interest will be paid on performance security.
16. If any dispute(s) arises between IIFPT and the firm with reference to the contract, IIFPT will decide it and its decision will be binding on the firms.
17. Bid Validity: 180 days
18. The order for supply / contract will be given to item-wise least one (L1).
19. Our Institute is registered with DSIR and we are exempted from Custom Duty. Hence CDEC/DSIR will be provided to the firm, if demanded. Rate should be quoted accordingly.
20. Liquidated Damages - Any delay in delivery or installation beyond the stipulated date for delivery and date for installation, will involve payment of LD @0.5% per week subject to a maximum of 10% of the order / contract value. If LD amount goes beyond the maximum, then the Purchaser reserves the right to cancel the contract / purchase order.
21. Payment: - The payment will be released after satisfactory certificate from the Indenter.

Payment Terms: In order to facilitate for speedy settlement of payment you are requested to furnish the following details as below:

- **Name of the firm:**
 - **Name of the Bank:**
 - **IFSC Code of Bank:**
 - **Name of the Account & Account No.:**
 - **Branch Code:**
 - **Amount to be paid:**
 - **E-mail address of the party:**
 - **GST No. and Pan No. copies**
- a. **Payment towards supply of indigenous items shall be made by the purchaser within thirty days after completion of prompt supply followed by satisfactory installation besides receipt of performance security. Necessary invoice or claim of the supplier should be drawn in the name of The Director, IIFPT, Thanjavur.**
 - b. **For imports, LC will be established for importing the equipment if it is requested by the supplier. LC could be established only after receipt of order confirmation with**

proforma invoice and Performance security. This should be made available within 15 days from the date of receipt of the Purchase Order. 90% of the LC amount would be released against the import document by our bankers and remaining 10% would be released after completion of supply followed by satisfactory installation. All the bank charges abroad shall be to the beneficiary account i.e. the supplier and all bank charges in India, shall be to the account of the opener i.e. purchaser.

Installation: - Within *20 days from the date of receipt of equipment* in the Institute failing which Liquidated Damage clause shall apply.

22. Prices:

Price structure:

a) The tenderer shall quote for the complete requirement of goods and services as given in the tender document.

b) The rates and prices quoted shall be in Indian Rupees /Foreign currency.

c) GST rate and amount and basic value of equipment should be shown separately along with GST registration No. and Pan No.

d) The rates and prices quoted by the supplier shall remain firm and fixed during the currency of the supply / contract and shall not be subject to variation on any account, whatsoever, including statutory variations, if any.

‘Terms & Conditions are acceptable’

Dated

(Authorized signatory of the firm)

Annexure-III

(Reference for BOQ) (To be quoted in format provided on CPP Portal)

List of equipment attached

- Items should be of reputed make and suitable for high end elite users
- Tax extra as applicable should be indicated separately in the column provided.
- **The instrument is to be supplied and installed at IIFPT, Thanjavur.**

Note: The above mentioned Financial Proposal/Commercial bid format is provided as BoQ_XXXX/xls along with this tender document at <https://eprocure.gov.in/eprocure/app>. Bidders are advised to download this BoQ_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the Financial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with IIFPT

INSTRUCTIONS FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL <https://eprocure.gov.in/eprocure/app>.) by clicking on the link '**Online bidder Enrollment**' on the CPP Portal which is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (class II or Class III certificates with signing key usage) issued by any certifying authority recognized by CCA India (e.g. Sify/nCode/eMudhra etc.) with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- Bidder then logs in to the site through the secured log-in by entering their user's ID/password and the password of the DSC/e-Token.

SEARCHING FOR TENDER DOCUMENTS

- There are various search options built in the CPP Portal. To facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS/e- mail in case there is any corrigendum issued to the tender document.
- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

PREPARATION OF BIDS

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents- including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF/XLS/RAR/DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. GST, PAN card copy, authorization letter from the manufacturer/ principals, IT statement etc.) has been provided to the bidders. Bidders can use 'My Space' or 'Other important Documents' area available to them to upload such documents. These documents may be directly submitted from the 'My Space' area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as 'offline' to pay the EMD as applicable and enter details of the instrument.
- Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted mode, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- Bidders are requested to note that they should necessarily submit their financial bids in the Format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cell with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the

server is subjected to symmetric, encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids (i.e. after clicking 'Freeze Bid Submission' in the portal), the portal will give a successful bid submission message and a bid summary will be displayed with the bid no. and the date and time of submission of the bid with all other relevant details.
- The bid summary has to printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- Any queries relating to the tender documents and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contract person indicated in the tender.
- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

NAME OF EQUIPMENT WITH DETAILED SPECIFICATIONS:

Technical specifications for DNA Sequencer
Fully automated capillary, fluorescence-dideoxy chain termination-based DNA Sequencer
The instrument should be capable of combining Sanger sequencing and fragment analysis reactions in the same instrument run.
Number of capillaries: Pre-assembled 24 × 50 cm capillary array with a built-in frame.
Automated Radio frequency identification (RFID) tag within the array for tracking run information and for tracking key consumables data through software dashboard.
Life of Capillary array: Exceed 150 runs
Touchscreen with Integrated software for instrument control, data collection, quality control, and auto analysis for base calling in samples
Capable of accommodating 96, 384 and 8 well strips
Excitation source: Long-life, single-line 505 nm, solid-state laser
Capable of detect and analyzing up to 6 fluorescent dyes simultaneously for DNA fragment analysis with signal uniformity from run to run, and capillary to capillary 30 Sequencing throughput > 250 samples/day having > 500 bp read length. Read length should be demonstrated at site
Licensed Application software for de novo sequencing, Long Read Sequencing, and comparative sequencing, All Fragment analysis applications (SSR, ISSR, AFLP) Plant & Microbial Finger printing, SSCP, SNP Validation and screening, Linkage analysis, which should be upgradable.
Primer design software with licence (Minimum 5 users)
Computer and printer: i7 Processor 3.0 GHz Processor, Operating System: latest with original licence, Installed RAM: 8 GB, hard Drive: 320GB 7200 RPM SATA 3.0Gb/s and 8MB Data Burst Cache, Microsoft ® Office Home & Student most recent OEM Version, 16x DVD+/- RW Drive with DVD + R double layer write capability, Integrated Intel ® 17 inch flat panel LCD monitor Graphics Media accelerator, 5 USB Port, Ethernet (100BASE-TX, Single-port minimum), Optical USB Mouse, 3 year licensed antivirus
Consumables: consumables for 1000 analyses should be supplied comprising Compatible Electrophoresis separating polymer for 1000 runs
Anode buffer for 1000 runs Cathode buffer for 1000 runs
Conditioning and washing solution for the above

Sequencing reaction kits for 1000
Sequencing reaction clean up kits for 1000 reactions PCR
Clean up and purification kit for 1000 reactions
Fragment Analysis Reagents with size standard for DNA fragment sizing applications 24- Capillary 50 cm Arrays -2Nos
Formamide 20 x 5 mL vials
96 well plates 100 nos
384 well plates 50 nos
8 tube strips 100 nos
Sealing strips for above Sealing
tool 1no
Sequencing Standard: M13 or equivalent gene with long read minimum 500 bp
The Vendor should have a good service and application support back up along with
instruments to provide an effective application related troubleshooting and support.
Installation Qualification and Operation Qualification (IQ/OQ) or Instrument Performance Qualification (PQ) certificate to be provide
The vendor should provide Application Training on the operation of the instrument, chemistry options and software to the scientists (5) at IIFPT, Thanjavur. The training will include on all aspects of sequencing (sample preparation, clean up, instrument and software operation till final data report
Vendor should have at least 25 installations (includes all the available models) in India Provide a list with address, phone number and contact person
Provide Satisfactory Performance certificate for five installed instruments of the quoted model in India
Suitable true online UPS (10-20kVA) with backup of 60 mins
Comprehensive maintenance Contract for 5 years thereafter
Attach certificate that spares and sequencing kits will be available for ten years
Provide a list of all spares and consumables with catalog numbers
Provide one qualified and trained technical operator for the installed system for 24 months
Provide all preinstallation requirements for infrastructure, table, number and type of electrical outlet,

ground voltage room temperature and humidity for installation of equipment

Electrical requirement: 220 volt, 50 Hz