

	Government eProcurement System	eProcurement System Government of India
	Tender Details	Date : 17-Feb-2022 05:09 PM

 Print

Basic Details

Organisation Chain	Department of Agricultural Research and Education Indian Council of Agricultural Research,DoARE,MoA Indian Institute of Agricultural Biotechnology		
Tender Reference Number	Liquid Chromatography Mass Spectrometry		
Tender ID	2022_DARE_674096_1		
Tender Type	Open Tender	Form of contract	Supply
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	Yes
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Bankers Cheque
	2	Bank Guarantee
	3	Demand Draft
	4	FDR
	5	LOC

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Scanned copy of Earnest Money Deposit (EMD) / its exemption, if any.
		.pdf	Scanned copy of Firms registration, PAN Card, GST No./Service Tax No. Tender
		.pdf	Scanned copy of Manufacturers authorization certificate issued by Principal
		.pdf	Scanned copy of Income Tax Statement for the last Three Financial years (2018-2021).
		.pdf	Scanned copy of Annexure-IV.
		.pdf	Scanned copy of User List (if any)/Purchase Orders.
		.pdf	Scanned Copy of Make and model of all

			systems, sub systems and additional items
		.pdf	Experience in supplying similar goods in govt. offices (Central/ State/ PSUs etc.)
		.pdf	Annual turnover of the firm for the last three financial year (2018-21) duly certified by the CA.
2	Finance	.xls	FINANCIAL BID

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	3,50,000	EMD through BG/ST or EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	DIRECTOR ICAR UNIT IIAB	EMD Payable At	RANCHI

[Click to view modification history](#)

Foreign Currency BOQ Details

S.No	Currency	Conversion rate in ₹
1	US Dollar	NA
2	European Euro	NA
3	Japanese yen	NA

Work /Item(s)

Title	SUPPLY OF Liquid Chromatography Mass Spectrometry (LC MS)				
Work Description	Liquid Chromatography Mass Spectrometry (LC MS)				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	0.00	Product Category	Laboratory and scientific equipment	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work (Days)	21
Location	IIAB RANCHI 834003	Pincode	834003	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	IIAB RANCHI
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	17-Feb-2022 05:00 PM	Bid Opening Date	11-Mar-2022 03:00 PM
Document Download / Sale Start Date	17-Feb-2022 05:00 PM	Document Download / Sale End Date	10-Mar-2022 03:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	17-Feb-2022 05:00 PM	Bid Submission End Date	10-Mar-2022 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	NOTICE INVITING TENDER FOR Liquid Chromatography Mass Spectrometry	139.71

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_709384.xls	FINANCAIL BID	291.00
2	Tender Documents	LCMSTD.pdf	TECHNICAL BID	436.01	

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sudhir.kumar5@icar.gov.in	SUDHIR KUMAR	SUDHIR KUMAR
2.	avinash.pandey@icar.gov.in	AVINASH PANDEY	AVINASH PANDEY
3.	director.iiab@icar.gov.in	ARUNAVA PATTANAYAK	ARUNAVA PATTANAYAK

GeMARPTS Details

Reason for non availability of GeMARPTS ID	Urgent nature of Procurement
Remarks	SHORTAGE OF TIME FOR CLOSURE OF CURRENT FINANCIAL YEAR AND NON CONCLUSIVE BID FOR THE ITEM ON GEM
Document Name	GEMREPORTLCMS.pdf
Document Size (in KB)	148.58

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Show Bids Details	Yes
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

Tender Inviting Authority

Name	DIRECTOR ICAR IIAB
Address	Senior Administrative Officer Indian Institute of Agricultural Biotechnology Garhkhatanga Ranchi 834003Jharkhand

Tender Creator Details

Created By	SUDHIR KUMAR
Designation	SCINETIST
Created Date	17-Feb-2022 11:13 AM



भाकृअनुप—भारतीय कृषि जैवप्रौद्योगिकी संस्थान

गढ़खटंगा, राँची

ICAR-INDIAN INSTITUTE OF AGRICULTURAL BIOTECHNOLOGY

(Indian Council of Agricultural Research)

Garkhatanga, Ranchi – 834003

email: hoa.iiab.gov.in; web: <http://iiab.icar.gov.in>

Ph. 0651-2261131/35;

GTIN No- 20RCHI00415C1DB



F. No.: IIAB 3(138)/2021-22/Comp.No.181961

Dated: 17.02.2022

TENDER THROUGH E-PROCUREMENT

Online Bids are invited from interested firms under two bid system for Purchase of **Liquid Chromatography Mass Spectrometry (LC MS) (01 Nos.) as per technical specification Annexure-IX** at ICAR-INDIAN INSTITUTE OF AGRICULTURAL BIOTECHNOLOGY, GARHKHATANGA, RANCHI 834003. **Manual bids shall not be entertained.**

Tender documents may be downloaded from e-procurement website of CPPP <https://eprocure.gov.in/eprocure/app> OR www.iiab.icar.gov.in (for reference only) as per the schedule given in CRITICAL DATE SHEET as under:

CRITICAL DATE SHEET

Name of Organization	ICAR : INDIAN INSTITUTE OF AGRICULTURAL BIOTECHNOLOGY, GARHKHATANGA, RANCHI, JHARKHAND 834003
Date and Time for Issue/Publishing	17.02.2022 at 05:00 p.m.
Document Download/Sale Start Date and Time	17.02.2022 at 05:00 p.m.
Bid Submission start Date and Time	17.02.2022 at 05:00 p.m.
Bid Submission End Date and Time	10.03.2022 at 3:00 p.m.
Date and Time for Opening of Bids	11.03.2022 at 3:00 p.m.
EMD amount	Rs. 3,50,000/-
Tender Fee	NIL
Address for Communication	Senior Administrative Officer, ICAR : Indian Institute of Agricultural Biotechnology, Garhkhatanga Ranchi- 834003(Jharkhand)

-Sd/-

Sr. Administrative Officer



भाकृअनुप—भारतीय कृषि जैवप्रौद्योगिकी संस्थान

गढ़खटंगा, राँची

ICAR-INDIAN INSTITUTE OF AGRICULTURAL BIOTECHNOLOGY

(Indian Council of Agricultural Research)

Garkhatanga, Ranchi – 834003

email: hoa.iiab.gov.in; web: <http://iiab.icar.gov.in>

Ph. 0651-2261131/35;

GTIN No- 20RCHI00415C1DB



Check list for the tender

The bidders are requested to fill the check list for evaluation of technical bid.

Sr. No.	Particulars	Remarks (YES/NO)
01	Whether the EMD attached/scan copy uploaded or the bidder is MSME/NSIC/MII. In case of MSEM/MSIC/MII, please provide the relevant documents in support of the same.	
02	Whether the scan copy of Firm's registration uploaded	
03	Whether the scan copy of PAN number uploaded	
04	Whether the firm has GST Number or not	
05	Whether the bidder is Manufacturer or Agent of the manufacturer. (Please mention as the case may be). In case of agent of the manufacturer/Principal, the proper authorization is attached or not.	
06	Whether the scanned copies of Income Tax return uploaded as per requirement of the tender.	
07	Whether all the Annexures signed with Company Seal	
08	Whether the scanned copies of user list uploaded	
09	Whether the make and model of the equipment mentioned, and catalogue provided	
10	Whether the tender document is sealed & signed, and scan copies uploaded	
11	Whether the firm is Blacklisted by any of the Government Department/Agency (Annexure – VIII)	
12	Whether the proprietor of the firm is SC/ST. In case so, please mention in the bid.	
13	Any other information	
14	Whether the rates quoted in BoQ as per tender	

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The Tender form/ bidder documents may be downloaded from the <https://eprocure.gov.in/eprocure/app> or www.iiab.icar.gov.in. **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> or www.iiab.icar.gov.in regularly. Any changes/ modifications in tender enquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The Institute reserves the right to accept or reject any or all the tenders.
4. The interested Firms are required to deposit (in original) an Earnest Money Deposit (EMD) of the amount mentioned against items in the form of Demand Draft/ FDR/ Bankers Cheque/ Bank Guarantee/ Insurance Surety Bond from any of the Commercial Bank in favour of DIRECTOR, ICAR-UNIT, IIAB payable at Ranchi may be address to Sr. Administrative Officer, ICAR-IIAB, Garhkhatanga Ranchi- 834003 (Jharkhand) on or before bid opening date and time as mentioned in the Critical Date Sheet.
5. The firm should send the original brochures of the product and may be addressed to **Sr. Administrative Officer, ICAR-IIAB**, Garhkhatanga Ranchi- 834003 (Jharkhand) on or before bid opening date and time as mentioned in the Critical Date Sheet along with Tender Fee & EMD.
6. Bidders need not to come at the time of Technical as well as Financial bid opening at ICAR-IIAB, Ranchi. They can view live bid opening after login on CPPP e-procurement portal at their remote end. If bidder wants to join bid opening at IIAB then they must come with bid acknowledge slip that is generated after successfully submission of online bid.
7. The firms are also required to upload copies of the following documents: -
 - **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./Service Tax No. Tender acceptance letter (Annexure-IV & V).
 - c) Scanned copy of Manufacturers authorization certificate issued by Principal Manufacturer duly verified by the Indian Agent or Manufacturing certificate.
 - d) Scanned copy of Income Tax Statement for the last Three Financial years (2018-2021).
 - e) Scanned copy of Annexure-IV.
 - f) Scanned copy of User List (if any)/Purchase Orders.
 - g) 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.
 - h) Experience in supplying similar goods in govt. offices (Central/ State/ PSUs etc.).
 - i) Annual turnover of the firm for the last three financial year (2018-21) duly certified by the CA.
 - **Financial Bid:-**
 - a) Price Bid as BoQ XXX.xls

Sd/-
Sr. Administrative Officer

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 contract shall be awarded to the firm which fulfils all the required terms and conditions & remains L-1.
3. The firm must also possess valid PAN & GST number and a copy of the same must also be enclosed with the tender document.
4. Copy of previous three financial years of Income Tax Statement (2018-2021) may be furnished.
5. The firm should be in existence for minimum **05 (Five) years** in the trade with the business turnover of not less than Rs. **20 crores per annum for the last three financial year (2018-21)** . Documents to this effect may be enclosed.
6. Modification in the tender documents after the closing date is not permissible.
7. The successful firm shall have to supply the Scientific Equipment/s **within 21 days** from the date of confirmed supply order.
8. The rates quoted shall be valid for 180 days from the date of opening of tender and no enhancement shall be permitted in the quoted rates under any circumstances. **In case of foreign supplier, rates quoted must be for CIP (ICAR- IIAB, Garhkhatanga, Ranchi -834003, Jharkhand. In case of domestic suppliers, rates quoted must be FOR, ICAR- IIAB, Garhkhatanga, Ranchi**
9. The contractor/bidder or his representative may contact the undersigned at **Tel. No. 0651-2261131/35** for any further clarification. No variation in terms of quality of the items shall be entertained.
10. Exemption from submission of EMD is available to the firm with MSME/NSIC/MII certificate.
11. The interested Firms are required to deposit (in original) an Earnest Money Deposit (EMD) of the amount mentioned against item in the form of Demand Draft from any of the Commercial Bank in favour of **Director, ICAR-UNIT, IIAB payable at Ranchi** may be address to **Sr. Administrative Officer, ICAR-IIAB, Garhkhatanga Ranchi- 834003(Jharkhand)** on or before **bid submission closing date and time as mentioned in critical date sheet**. No quotation shall be considered without the earnest money deposit. Demand draft drawn in favour of any officer other than 'ICAR UNIT-IIAB payable at Ranchi' will not be accepted and the tender will be rejected. The earnest money will be refunded only after the finalization of the procurement and no interest will be paid on earnest money.
12. Rates once finalized will not be enhanced during the currency of the contract.
13. In case of foreign currency, conversion rates in INR will be taken on the day of opening financial bid.
14. In case, the successful bidder shows inability at any stage, after the contract is finalized and awarded, for whatsoever reason(s), to honour the contract, the earnest money /performance security deposited would be forfeited.
15. The Director, IIAB reserves the right to cancel the contract at any time during the currency period of the contract without giving any reason.
16. The firm to whom the tender will be awarded, will have to deposit the **Performance Security equal to 10%** of the total amount of the contract at the time of installation of the equipment. Validity of the Performance Security shall be for a **minimum of 14 months** from the date of installation of the equipment/s. If the services are not found to be satisfactory, the performance security is liable to be forfeited. Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee, Demand Draft, Fixed Deposit Receipt or Bank Guarantee from a commercial Bank safeguarding the purchaser's interest in all aspects. No interest will be paid on performance security.

17. If any dispute(s) arises between IIAB and the firm with reference to the contract, Director ICAR- IIAB be the final authority in any matter.
18. Bid Validity must be for a minimum of 180 days
19. The contract will be given to L1 firm only as per comparative statement.
- 20. Authorization Certificate: Authorization certificate from the Principal/ Manufacturer for this specific tender only will be entertained in case OEM/ Principal has issued authorization to multiple dealers in India.**
21. The bidders must certify that ‘The firm is not blacklisted by any of the Government Department/Agency’ while submitting the quotation as per the certificate given at Annexure - VIII.
22. Our Institute is registered with DSIR and we are exempted from Excise Duty & Custom Duty. Hence CDEC/ DSIR will be provided to the firm, if demanded. Rate should be quoted accordingly.
- 23. Payment terms: -**
 - a) Payment for goods supplied from abroad: By Letter of Credit (LC).
 - b) Payment of goods supplied within India-100% of the contract price on receipt of goods by the consignee supported by satisfactory installation/working report & submission of Performance Security.
24. **Installation:** - Within 30 days from the date of receipt of equipment in the Institute failing which Liquidated Damage clause shall apply.
25. **Liquidated Damage clause:** It would be realized @ 0.5% (half per cent) of the base price (excluding taxes) of the delayed goods for each week of delay subject to maximum of 10% of total base price of the goods supplied.
- 26. Prices:**
 - i. Rates to be provided by Indian Dealer can be quoted in INR.
 - ii. If any bidder wants to quote in INR, price can be quoted on FOR, IIAB, Ranchi basis.
 - iii. Rates quoted by international suppliers/ firm must be in USD / Euro
27. **Tender Evaluation:** Tender evaluation will be done as enumerated in Manual on Procurement of Goods (2017) and GFR-2017 and amendments from time to time in GFR -2017.

‘Terms & Conditions are acceptable’

Dated

(Authorized signatory of the firm)

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

PRICE SCHEDULE																														
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)																														
NUMBER	TEXT	TEXT	NUMBER	TEXT	NUMBER	TEXT	TEXT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	TEXT	TEXT	NUMBER	NUMBER	NUMBER	TEXT	TEXT	NUMBER	NUMBER	NUMBER	TEXT							
Sl. No.	Item Description	Item Code/Make	Quantity	Units	Estimated Rate in Rs. P	Currency Conversion against each Item	Quoted Currency in INR/ Other Currency	BASIC RATE In Figures To be entered by the Bidder in Rs. P	Excise Duty in Rs. P	GST in Rs. P	Freight Charges (Unloading & Stacking) in Rs. P	Any Other Taxes/Levies in Rs. P	Other Taxes 2 in Rs. P	Third Party i.e. DGS&DT/ITES etc. In respect of Supplies Under full Expense Rs. P	Less for Credit if any based on column 14	TOTAL AMOUNT, It will be converted only if you choose Full Conversion, Unit than it is treated as INR in Rs. P	TOTAL TAXES It will be converted only if you choose Full Conversion, Unit than it is treated as INR in Rs. P	TOTAL AMOUNT In Words												
1	Laying and Jointing PVC Pipe. Heading																													
.01	Brick work in CM 1:5 mix including all labour charges etc	Item1	1100.00	Nos	55.0000	Full Conversion	INR									0.0000	0.0000	INR Zero Only												
.02	Brick work in CM 1:5 mix using 2nd class ground moulded	Item2	248.20	Nos	65.0000	Full Conversion	USD									0.0000	0.0000	USD Zero Only												
.03	Plestering in CM 1:5 15 mm thick with including cost and	Item3	100.00	Nos	75.0000	Partial Conversion	EUR									0.0000	0.0000	EUR Zero Only												
Total in Figures																								0.0000	0.0000	Zero Only				
Quoted Rate in Words																														

- 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.

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 tempered/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 IAB.

Annexure-IV

ICAR-INDIAN INSTITUTE OF
AGRICULTURAL BIOTECHNOLOGY
RANCHI-834003, JHARKHAND
(INDIA)

Name of the Firm _____

Registered/Postal Address _____

1.	Permanent Account Number (PAN) (If applicable)	
2.	GST Number (If applicable)	
3.	Bank Details	
4.	Bank Name	
5.	Branch Address	
6.	Account Number	
7.	Type of account (current/saving)	
8.	MICR No. (If applicable)	
9.	RTGS/NEFT code (If applicable)	
10.	Details required for opening of letter of Credit (in case of foreign supplies)	

Date:
Signatory

Name of the Authorized

Place:

Stamp & Signature

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Date:

To

Sub: Acceptance of Terms & Conditions of Tender. Tender Reference No. _____

Name of Tender/Work:

Dear Sir,

1. I/ We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/work' from the web site(s) namely:

As per your advertisement, given in the above-mentioned website(s).

2. I/We hereby certify that I/We have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc...) which form part of the contract agreement and I/We shall abide hereby the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter.
4. I/we hereby unconditionally accept the tender conditions of above mentioned tender documents/corrigendum(s) in its totality/entirely.
5. I/we do hereby declare that our Firm has not been black listed/ debarred by any Govt. Department/Public sector undertaking.
6. I/we certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject that bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

(Signature of the Bidder, with
Official Seal)

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 enrol 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 Enrolment**' 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 users 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. PAN card copy, annual reports, auditor certificates 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 tender fee/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 instrument, 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 be 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 Nos. 0120- 4200462/0120-4001002 or Mobile No. +91 8826246593.**

Details of Equipments & EMD

Sr. No.	Purchase of item	Qty	Earnest Money in INR	Tender Fee	File. No. for reference
01	Liquid Chromatography Mass Spectrometry (01 Nos.) Specification as per Annexure IX	1	3,50,000/-	NIL	IIAB 3(138)/2021-22/Comp.No.181961

Note: EMD defined on to the Portal is MINIMUM. Bidder has to submit the EMD as per item for which quoting for.

Annexure VIII

(To be furnished on company letter head)

Declaration

This is to confirm that our firm
.....
has never been blacklisted/ debarred by any State Govt./Central Govt./ Department of Public
undertaking enterprises.

Date:

Place:

Stamp & Signature

Name of the Authorized Signatory

Technical specifications

Purchase of High Sensitive Triple Quadrupole LC-MS/MS system

Sl. No.	Parameter	Tech. Specifications
I) MS System: Triple Quadrupole (MS/MS)		
1	Triple Quadrupole Remarks	<p>Triple quadrupole mass spectrometer capable of performing high sensitivity trace analysis.</p> <p>Source samples to be handled: Plant tissues, milk, semen, gut fluid, etc.</p> <p>Application: Plant secondary metabolites, Vitamins, amino acids, sugars, Lipidomics, Metabolomics, Proteomics (moderate)</p> <p>All conditions and pre-installation requisites for trouble free operation of the instrument should be indicated clearly (temperature, humidity, electrical requirements etc with instrument cut-off limits due to environmental conditions should be indicated).</p> <p>Any requirement not indicated in the tender document arising during/after installation of the equipment will have to be borne by the bidder.</p>
2	Mass Range	20-2000 amu or better (Specify)
3	Scan Speed	Should have the scan speed of 15,000 amu /sec or better (Specify)
4	Resolution	0.5 amu or better at unit mass resolution (Specify)
5	Mass Stability	0.1 Dalton over 24 hours or better (please specify, provide supporting data in compliance statement)
7	Sensitivity	<p>ESI Positive: 1 pg Reserpine (on column) with Injection volume of 1µl (1pg/µl), specify the following with documentary evidence for transition 609>195: (a) Chromatographic signal to noise (S/N - minimum 7,00,000:1) or better The technique used for estimating s/n should be described. (Proof of Statement must be provided) (b) CV with number of repetitive injections (minimum 10 injections, CV< 0.5 % or better).</p> <p>ESI Negative: 1 pg Chloramphenicol (on column) with Injection volume of (1pg/µl), specify the following with documentary evidence for transition 321>152: (a) Chromatographic signal to noise (S/N - minimum 7,00,000:1) without smoothing.</p>
8	Polarity Switching	+ve / -ve polarity switching time between alternate MRM scans: 20 ms or better.
9	Ionization source	<ol style="list-style-type: none"> Rugged source capable of handling large batches of complex matrices over extended periods of time, without performance degradation. User should be able to clean the source without use of complex tools

		<ol style="list-style-type: none"> 3. Should have dedicated or combined ESI & APCI Source or better option (if any) with flow rate up to 2 ml /min 4. ESI and APCI probes to be provided, with facility of interchanging easily by the user, and auto-detection of installed probe by the instrument and software. 5. The ESI & APCI must have desolvation temperature of up to 500°C or better 6. The source should have self-contained heating system for achieving desired operational temperatures. 7. The source should be easily removable from the system to facilitate user cleaning without venting the vacuum. 8. The source housing should be fully vented to avoid contaminating laboratory air. 9. All source parameters to be adjustable through software.
	Vacuum system	<ol style="list-style-type: none"> 1. Robust, high efficiency vacuum system with minimum maintenance, with low noise and automatic lock system should be provided. 2. All accessories required for the proper functioning of the vacuum system should be supplied
10	Syringe infusion device	The LCMS should have provision for external syringe pump, divert valve and injection port for direct sample introduction, preferably should be integrated to the MS system
11	Operating modes	<ol style="list-style-type: none"> 1. Full scan 2. SIM 3. Product ion scan 4. Precursor ion scan 5. Neutral loss/gain scan 6. Multiple Reaction Monitoring 7. Information dependent acquisition system or equivalent scan mode of MRM to high / enhanced sensitivity product ion scan for library conformation. 8. Full scanning and MRM should be possible simultaneously in a single run 9. Automated tuning
12	Collision Cell	Collision cell allowing less dwell time (specify in milli seconds). Suitable for high sensitivity MRM studies. Should have insignificant cross talk.
13	MRM	<ol style="list-style-type: none"> 1. Minimum Number of MRMs: 500 MRMs or better with no loss in sensitivity for co-eluting components at any one point of time. 2. +ve / -ve polarity switching time between alternate MRM scans: 20ms or better. Specify (a) switchover time, (b) stabilization time
14	Dynamic range	6 th order (or) better with documentary evidence.
15	Detector	<p>A high sensitivity, high throughput detector with zero dead time, low noise and high accuracy at low level detections.</p> <p>The detector must have a digital range of 1 to 1E6 cps (or) better</p>

		It must operate both +ve and -ve ion mode and back and must be capable of switching polarity rapidly and should be able to save the data of both modes (to be specified)
2. Ultra-Performance Liquid Chromatography System (UPLC)		
1	LC-system	Liquid chromatography system needs to be modular for flexible configuration The complete Flow path of the System must be compatible to pH 2-9 or better. A suitable fast LC system compatible with the MS/MS system and controllable through the same software. Suitable pump, with vacuum degasser, autosampler, column oven, columns (as detailed below) should be quoted.
2	Pumping system:	<ul style="list-style-type: none"> • Pump should be high pressure quaternary Pump • The pump must support a pressure of 1034 bar (15,000 psi) or better • Flow range should be 0.01–2mL/min, or better n 1 µL/min increments • There should be built in/online solvent degassing system
3	Autosampler:	<p>Automated operation controllable through MS/MS Software Automated autosampler purging through software</p> <p>Injection volume setting range 0.1ul to 20 ul or better</p> <p>Vials capacity up to 1.5 ml or better</p> <p>Number of vials: 96 or more</p> <p>Injection volume accuracy 1% RSD or better</p> <p>Injection volume precision - 0.5% RSD maximum, for 10ul injection</p> <p>Cross-contamination limit - 0.05% RSD maximum, or better</p> <p>Operating pH range 1 – 9 or better (specify)</p> <p>Sample Compartment Temperature Range must be from 4 - 40°C</p> <p>The autosampler should have capacity to withstand up to 15000 psi or better</p>
4	Column oven	<p>Column compartment must have a temperature range from 5°C to 85°C or better.</p> <p>Safety functions like leak sensor, high temperature cut-off</p>
5	Detector	<p>The following additional detector with following specification should be quoted;</p> <p>Diode Array Detector:</p> <ul style="list-style-type: none"> • The detector must typically provide a linear range up to 2.5 AU • The wavelength range of the detector must range from 190 to 800 nm or better • The detector must provide a data collection rate of up to 80 Hz or better • Basic instrument control of the detector can be achieved by a keypad <p>RI Detector:</p> <ul style="list-style-type: none"> • Refractive Index Detector should be having principle of deflection type along with Range of analyzing data from 1.00 to 1.75 RIU Range.
3 Computer		

1	Computer Platform	<ul style="list-style-type: none"> • Suitable branded computer (Specify), compatible with the software, with minimum configuration of Pentium i5/i7 processor (or) better with 64 GB RAM, on 64bit Intel chipset. • 2TB PCIe NVMe SSD or better • 1 TB or more SATA HDD or better • Minimum 27” LED monitor with Display Position Adjustments Height, pivot (rotation), swivel, tilt Input Connectors: HDMI, Display Port <p>Original Operating System:</p> <ul style="list-style-type: none"> ○ Windows 10 professional or higher (compatible, licensed), ○ Latest MS Office (Professional –Licensed) <p>A high capacity (minimum 2 TB) external solid state hard disk should be included for data backup- 2 number</p>
4. Software		
1	Quantification software system/ Computer software	<ol style="list-style-type: none"> 1) Software of latest version which fulfil the requirement of 21 CFR Part 11. 2) Easy to use software. Completely automated quantitative and qualitative data processing capability. Automated mass calibration and optimization of operating parameters. It should maintain library search facility, ion ratio, simple report format, etc. Single point control of pump, auto sampler, column oven & MS/MS 3) Automated calibration and quantitative optimization 4) Automated MS to MS/MS switching a single run with user selectable criteria. 5) Automated quantification & reporting of acquired samples 6) Reporting of system performance requirements, (LOD, LOQ, S/N by various statistics, linearity etc.) should be available in software. Any additional license required for this should be included. 7) Software should have the latest library/MRM database of minimum around 1500 compounds viz. (Plant secondary metabolites, Antibiotic residues, veterinary drugs residue, Aminoglycosides, macrolides, Dyes, Mycotoxins, Vitamins, Pesticides, etc.) or better 8) Software should be able to control all the quoted detectors (MS, PDA and RI) independently as well.
2	Software upgradation	If the company publishes any software upgradation within the warranty period, upgradation of the software to the latest version shall be done free of cost. The certificate in this regard to be issued from the manufacturer of the system.
3	Data loss or corruption	In case of data loss/corruption, the software shall be re-installed free of cost during the warranty period.
5. Compulsory Accessories and other consumables		
1	Gas Generator/ Cylinders	<ol style="list-style-type: none"> 1. Suitable gas generator/cylinder(s) with regulator(s) and purifying panels for the system. If gas cylinders required, minimum two numbers shall be provided. 2. Low noise and vibration free gas generator with inbuilt compressor from a standard manufacturer should be provided 3. Should be able to supply all the gases required for the LC-MSMS instrument at required purity, pressure and flow rate 4. It should be complete with all necessary accessories, including any

		purification panels required.
2	UPS System	<p>A compatible true online UPS System of standard Make (preferably APC or equivalent brand) with SMF batteries or equivalent, of appropriate capacity (minimum 10 KVA) and 3-phase input/1-phase output as per requirement of the LC MS/MS System, capable of providing a backup time of minimum 4 hours, with comprehensive warranty of minimum 4 years inclusive of battery, should be quoted.</p> <p>A rust free, strong stand to hold the entire set of batteries should be provided. Dimensions of the stand should be finalized after site inspection.</p>
3	Mass calibration standards	All required standards of mass calibration and tuning, and any other material required to make the instrument functional should be provided
4	Vials, septa and cap	Pack of 1000 vials, complete with septa and cap, should be provided along with 500 high recovery valves with caps
5	Ultrasonic bath	An ultrasonic bath of minimum 5L capacity or above, suitable for cleaning parts of HPLC and LC MS/MS should be included.
6	Low volume N2 concentration/evaporator	<p>One nitrogen evaporator system, with the following specifications, has to be quoted:</p> <ul style="list-style-type: none"> • Evaporation using nitrogen or other inert gas, with all accessories needed to connect to a standard gas cylinder /gas generator • Evaporation racks: at least 40 positions each or above for 10-16 mm (OD) x <45 mm (length) mini vials and for 10-20 mm (OD) x 75-165 mm (length) tubes • Manifolds with detachable nozzles which reduces replacement cost and provides ease of service • Water bath, with settable temperature Ambient to 90°C, ±2°C accuracy • A portable nitrogen generator capable of working in ambient temperature and producing UHP nitrogen of sufficient purity for trace analysis at pressure sufficient for use with the nitrogen evaporator. • Evaporation tubes suitable for the evaporation racks to be included.
7	Columns	<p>RP-C18- 6 nos. (1.7/1.9 or equivalent for use in LC system) of dimension 50mm (3 No.)/100mm (3 No.)</p> <p>HILIC- 2 nos. suitable for the supplied LC system</p>
8	Other Consumables	All spares for LC MS/MS systems, and supporting accessories, should be necessarily covered under comprehensive warranty, and should be replaced on priority on the event of a breakdown. The consumables which are not covered under comprehensive warranty and which are required to be replaced periodically should be listed separately and quoted.
13	Laboratory Platform	Suitable laboratory Platform for placing the complete set of the equipment and other accessories

14	Micro Solid Phase Extractor with vacuum manifold	Complete system, must be compatible with LC sample preparation, minimum 100 nos. of cartridge, compatible with the Solid phase extraction apparatus
6. Training		
1	Training	A suitable inhouse training of minimum 7 days duration and if required at bidder site should be given to the users.
7.Warranty and other requirements		
Warranty	Instrument along with Nitrogen generator require at least five-year comprehensive warranty from the date of installation. Bidders should mention about parts/components (if any) of the instrument which are not covered within comprehensive warranty along with tender application	
Pre-Installation requirement -	Complete technical details of pre-installation requirement should be furnished along with the technical bid. ICAR-IIAB will only provide the installation space, required electrical outlets and water connections. Vendors are expected to supply all other installation accessories, infrastructures, facilities and services required for successful installation and smooth operation of the equipment. Vendors must conduct the site survey before installation at no additional cost.	
Technical manpower	Technical man power (company trained) for at least 3 years , well experienced for operation and maintenance of the provided LC-MS/MS systems	
Shifting	The instrument shall be relocated from Campus B to Campus A (Distance Approx. 2 km) in near future for which no charges will be levied by the supplier. Damage during the shifting, if any, of the machine must be the liability of the vendor.	
Other Terms and Conditions	i) Specification claimed must be supported by printed literature of the company. ii) Vendor should provide a list of already existing users highlighting the last 5 years user details with supporting documents (purchase copy order must be provided) iii) Suitable and essential tool kit is to be supplied with the equipment for the required maintenance. iv) One set of operating manual and service manual (hard/ soft copy in English) should be supplied with the equipment. v) The above specifications are minimum and firm may quote over and above the same, with full justification. The firm will have to carry out satisfactory installation of the unit, as well as give proper demonstration and validation of the same in the Institute premise, before payment release. vi) Annual Turnover of the manufacturer company should be ≥ 10 crores, shall be supported with relevant documents vii) The spares for the offered model shall be made available by the Principal/Firm at least for a period of 10-years.	