

**COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT),
Bassi, Jaipur**

(Rajasthan University of Veterinary and Animal Sciences)

**TERMS & CONDITIONS
OF OPEN BID (E-TENDER-01)
FOR THE PURCHASE
OF
LABORATORY EQUIPMENTS**

**COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT),
Bassi, Jaipur**

Present Address: PGIVER CAMPUS

N.H. -11 AGRA ROAD, JAMDOLI, JAIPUR-302031

E-mail ID: cdftbassi@gmail.com

www.rajuvas.org



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Section (A)**Notice Inviting Bid (NIB)**

डेयरी एवं खाद्य प्रौद्योगिकी महाविद्यालय
एन.एच-21, आगरा रोड, बस्सी, जयपुर –303301
वर्तमान पता:- पी.जी.आई.वी.ई.आर. कैम्पस, जयपुर
(राजस्थान पशुचिकित्सा एवं पशुविज्ञान विश्वविद्यालय)

F No. (1) CDFT/Purch/Equipment/2021-22/171

Date : 21/01/2022


बोली आमंत्रण सूचना**ई-टेंडर 01**

प्रयोगशाला उपकरणों के क्रय हेतु मूल उत्पादकों/निर्माताओं/आयातकर्ताओं/ अधिकृत प्रतिनिधियों से ई-प्रोक्यूरमेंट माध्यम से लघु अवधि आनलाईन बोली आमंत्रित की जाती है। बोली से संबंधित विवरण/ शर्तें वेबसाइट <http://eproc.rajasthan.gov.in> एवं <http://sppp.rajasthan.gov.in> पर देखी जा सकती है, तथा बोली प्रपत्र इसी वेबसाइट से नियत तिथि से डाउनलोड किया जा सकता है। बोली से संबंधित जानकारी विभाग की वेबसाइट www.rajuvas.org पर भी देखी जा सकती है।

मद का नाम	अनुमानित राशि (रूपये)	बोली प्रतिभूति राशि	बोली प्रपत्र शुल्क	प्रोसेसिंग फीस शुल्क
प्रयोगशाला उपकरण	87.68 लाख	कोटेड आइटम के अनुमानित कीमत का 2 प्रतिशत For MSME 0.5%	Rs.1000/- (For MSME Rs.500/-)	Rs.1000/-
1. ऑनलाईन बोली प्रपत्र उपलब्ध होने की तिथि		24.01.2022	को मध्याह्न 2.00 बजे से	
2. प्रीबिड मीटिंग की दिनांक		29.01.2022	प्रातः 11.00 बजे से	
3. ऑनलाईन बोली प्रपत्र जमा करवाने की समयावधि		10.02.2022	को सायं 4.00 बजे तक	
4. ऑनलाईन तकनीकी बोली प्रपत्र खोलने की तिथि		11.02.2022	प्रातः 12.30 बजे	

(i) बोली प्रपत्र शुल्क एवं बोली प्रतिभूति राशि का डिमांड ड्राफ्ट अधिष्ठाता डेयरी एवं खाद्य प्रौद्योगिकी महाविद्यालय, बस्सी, जयपुर के नाम एवं (ii) प्रोसेसिंग शुल्क का डिमांड ड्राफ्ट एम.डी., आर.आई.एस.एल. जयपुर के नाम तथा (iii) प्रपत्र III एवं प्रपत्र IV के स्टाम्प पेपर पर शपथ पत्र पोर्टल पर अपलोड करने के पश्चात् बोली प्रस्तुत करने की अंतिम तिथि तक डेयरी एवं खाद्य प्रौद्योगिकी महाविद्यालय, बस्सी, जयपुर, वर्तमान पता:- पी.जी.आई.वी.ई.आर. कैम्पस, जयपुर में जमा करवाना होगा। अन्य कोई भी प्रपत्र/कैटलोग आदि हार्ड कॉपी में स्वीकार नहीं किये जायेंगे। राज्य की एम.एस.एम.ई. ईकाइयों को नियमानुसार समस्त लाभ देय होंगे।

SPPPU unique I.D. VAVU2122GLOB00047


अधिष्ठाता

Section (B)

Instructions to Bidders

Note: - Please read the Terms & Conditions carefully. Incomplete Bid are liable to be rejected.

Bidders should read these conditions carefully and comply with them strictly while submitting their bid. The following points may be noted so that mistakes/lapses/shortcomings during Bid submission may be avoided.

1. All pages of the bid document are to be FILLED (wherever required), **PAGE NUMBERED** serially, SIGNED and electronically submitted essentially ONLINE necessarily. If a bidder has any doubt regarding any condition or specification mentioned in the bid notice/ catalogue, he should, before submitting the bid, refer these to **The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur** immediately and obtain clarification. The decision of **Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur** shall be final and binding on the bidder.
2. Online Bid in TWO Parts i.e. Technical Bid (Part-I) and Financial Bid (Part-II) are to be submitted till 4.00 PM on 10-02-2022, and necessary documents to be submitted to The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur at PGIVER Campus-302031 for the purchase of Laboratory Equipments. (As per NIT N F.No (1) CDFT/Purch/Equipment/2021-22, Date 21-01-2022) After uploading on portal only 03 DDs and affidavit on stamp paper in Annexure – III and IV are physically deposited to the office other documents are not accepted in physical form.
3. In **Part-I i.e. TECHNICAL BIDS** the documents for quoted items must be placed / arranged in following sequence:
 - a) *Tender Document with term & condition, Signed by Authorized Signatory (pg 1-27)*
 - b) *Demand Draft of Processing Fee (in favour of MD, RISL, Jaipur)*
 - c) *Demand Draft of Bidding Application Fee (in favour of Dean, CDFT, payable at Jaipur)*
 - d) *Demand Draft of EMD/Bid Security (in favour of Dean, CDFT, payable at Jaipur)*
 - e) *GST Registration Document*
 - f) *Annual Turnover Certificate*
 - g) *VAT / Sales Tax Clearance Certificate*
 - h) *Affidavit of Not being Black-Listed*
 - i) *Certificate of Non-Conviction*
 - j) *Board Resolution*
 - k) *Manufacturing / License*
 - l) *Duly Notarized photocopy of IMPORT License in form 10 with 41 form*
 - m) *Duly Notarized photocopy of Authorizations letter for Distributor*
 - n) *Bank Details*
 - o) *Competency Certificate under Price Preference Rules AND Regd Certificate for MSME of Rajasthan*
 - p) *Declaration as per RTPP Act on Rs 100 Stamp Paper*
 - q) *The Declaration Form in section "E (ii)" Signed by the Bidder.*
 - r) *Technical Bid / Specifications for Items Quoted [Section E (iii) both part A and B]*
 - s) *Technical Literature Brochure of items quoted*
 - t) *BIS / ISI / FDA / CE / Quality Certificate etc as per item quoted*
4. It is expected from all bidders that they will ensure that documents to be used in bid set will be given to a reliable person only, and that reliable person shall be authorized for DSC. So that the confidentiality of your bid/ rates is maintained up to the bid opening & that your documents are not put to any misuse.
5. *Complaints lodged in College of Dairy and Food Technology (CDFT), Bassi, Jaipur should bear signature, name, photo ID proof and mobile number of the complainant. This is important as many departments receive many complaints on letter heads of certain companies who later on denied to have made the complaint upon their verification. Rather, a few companies have asked the concerning departments to take action against those persons who have fraudulently made use of their letter heads. Therefore, unauthenticated complaints may not be acted upon. As per the provision of section 43 of The Rajasthan Transparency in Public Procurement Act, 2012; Whoever Intentionally files any*

vexatious, frivolous or malicious appeals or complaint under this Act, with the intention of delaying or defeating any procurement or causing loss to any procuring entity or other bidder, shall be punished with fine which may extend to twenty lakh rupees or five percent of the value of procurement, whichever is less.

6. *It is advisable to authorize in writing the person required for College of Dairy and Food Technology (CDFT), Bassi, Jaipur, Bid who are employed in your company on salary basis.*
7. Quote only for the products for which your Product Permission meets the Bid specifications and that have been installed and already under use at other public institutes in India.
8. Quote rate at website of e-procure <http://eproc.rajasthan.gov.in> in BOQ for the packing Unit exactly given in catalogue at page no 76- 78)
9. **Highlight the quoted items in the documents like Product Permission and Market Standing Certificate, and also mark the item Cat no. at appropriate place in the documents.**
10. **The uploaded Product Permission and other documents should be clearly legible. Date of issue of the documents should be clearly legible undated or documents with illegible date may be rejected.**
11. Upload the Bids on the e-portal well in advance so that failure in uploading can be avoided and no desired document remains un-uploaded. Non uploadation of documents is treated as non qualification in tender and treated as rejected.
12. **All Bidders are instructed not to fill the formats in illegible handwriting, Bidders should submit all the formats neatly written so that miss-understanding may be avoided while deciding the technical bid and it should be signed by bidder/authorized signatory.**
13. Bidders may send their queries to following officers:-
 - a. Prof (Dr.) Dharm Singh Meena, Dean of Dairy and Food Technology (CDFT), Bassi, Jaipur at his E-mail address: cdftbassi@gmail.com
 - b. For Instrument related issues Dr. Narendra Kumar (Teaching Associate) College of Dairy and Food Technology (CDFT), Bassi, Jaipur at his E-mail address cdftbassi@gmail.com
 - c. For uploading of documents etc.
Please contact to Raj. COMP, Jaipur.
Help-desk Number: 0141-4022688
14. To guide bidders and to give clarifications regarding bid conditions to bidders, a **PRE-BID MEETING will be held on 29-01-2022 at 11.00 a.m.** in the Seminar Hall of first floor of Veterinary clinical Complex (VCC) PGIVER, Jaipur. Basic conditions of bid floated will remain unchanged and no change will be allowed in basic conditions of bid on the request of any bidder. Clarification may also be sought from the concerning officers, detail given above. The bidders/ prospective bidders may choose to attend.
15. All the bidder have to mention and provide all required details of the item quoted in the Technical Bid / Item Details as required in Part-A and Part-B of Section E (iii) which should also include Warranty Period necessarily. The Technical Brochure/Literature will have to be provided in support of this information which can also be cross checked online on company's Website.
16. All the Bidders are instructed to submit the bank details for on-line payments in the Annexure-VII provided at Page No.37 Please write neatly and enclose a cancelled cheque in support of the details after Annexure-VII

BID SECURITY shall be valid for 180 days i.e. 60 days beyond the bid validity period.

Section (C)**Bid Data Sheet (BDS)**

E-BID FOR THE PURCHASE OF LABORATORY EQUIPMENTS
(E –TENERER No -1, FY 2021-22)

1.	Bid Reference	F.6 () CDFT/Purch/Equipment/2021-22/ Dated: 21/01/2022
2.	Date and Time for downloading Bid document	24/01/2022 from 2 P.M
3.	Pre-Bid Conference	29/01/2022 at 11 .A.M. Meeting Hall at VCC first floor, Post Graduate Institute of Veterinary Education and Research (PGIVER), Jamdoli, Jaipur)
4.	Last Date and Time of submission of online bids and e-deposit	10/02/2022 upto 4.00 P.M
5.	Date and Time of opening of Online technical bids	11/02/2022 at 12.30 A.M
6.	Cost of the Bid Document	Rs. 1000/- (Enclose it as page number 28) (DD in favour of DEAN CDFT, Jaipur)
7.	Cost of Bid Document For MSME of Rajasthan	Rs. 500/- (Enclose it as page number 28) (DD in favour of DEAN CDFT, Jaipur)
8.	RISL Processing Fees for every bidder	Rs. 1000/- (Enclose it as page number 28) (DD in favour of MD RISL, Jaipur)
9.	Bid Security Fees for every bidder	2% of the estimated value of the each item; As given in the 7 th column in the list of catalogue (For MSME unit of Rajasthan 0.5%) (Enclose it as page No. 29) (DD in favour of DEAN CDFT, Jaipur)

Section (D)

Qualification and Evaluation Criteria

Eligibility Criteria

- i. Bidder shall be an Original Manufacturer having valid manufacturing license and/or direct importer holding valid import license; wherein original manufacturer and importer mean as following.
 - a. Original Manufacturer means a person/firm having its own unit that performs all the manufacturing and processing operations needed to produce Instruments (desired in the Bid) in their appropriate specifications, including processing, blending, formulating, filling, packing, labelling and Quality testing with a valid license issued under the relevant act and rules.
 - b. Importer means a person/firm having a valid license to import products (mentioned in the bid) of the desired specifications/requirements for sale issued by the competent authority.
- ii. Authorized country distributions for Indian operations are permitted to participate subject to providing following documents:-
 - a. All verification documents of original manufacturer and/ or importer whose item is quoted and as required in the bid.
- iii. Authorized Dealer means Firm having Authorization to participate in the bid from original manufacturer/ Importer on its Letter head. This should be issued after Tender start date.
- iv. **Average annual turnover** as defined in companies Act 1956 in the last three financial years shall not be less than **1 crore** for MSME of Rajasthan. For others the average annual turnover in the last three financial years should not be less than **Rupees Two Crore (2 Crore)** For original manufacturer/ Importer and **Rupees One Crore (1 Crore)** for Authorized distributors. All the bidders have to submit CA certificate in Annexure-I (Enclose it as Page no. 29)
- v. **All the certificates and licenses should be upto date and renewed/ valid on the date of opening of Technical bid.** If the certificates and licenses submitted by the bidder are not valid at the time of opening of bid, the bid will be rejected.
- vi. Bid should not be submitted by the bidder (Whole firm/company) which is declared Debarred/ blacklisted/ banned either by Bid inviting authority or Govt. of Rajasthan or by any other State/central Govt. or else it will be liable for rejection at any stage. **For this bidder shall have to submit a duly notarized affidavit on stamp of Rs. 100/- in Annexure-III at page no. 32)**
- vii. All the provisions of Rajasthan Transparency in Public Procurement Act, 2012, Rajasthan Transparency in Public Procurement Rules, 2013 and GF & AR also will be applicable in this bid.

Handwritten signatures and initials in blue ink, including a circled 'W', a signature 'AG', and another signature 'et'.

Section (E)

Bidding Forms

Section E (i) -

Technical Bid Submission Sheet

To

**The Dean
CDFT, Bassi, Jaipur-303301**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No..... (If any).
- (b) We declare that we fulfil all the eligibility and qualification criteria in conformity with the Bidding Document and offer to supply in accordance with the specifications, the delivery schedule and other requirements as specified in the Bid document.
- (c) We have mentioned and provided all required details of the item quoted in the Technical Bid / Item Details as required in Part-A and Part-B of Section E (iii) that also include Warranty Period necessarily. The Technical Brochure Literature have been provided in support of the information which can also be cross checked online on company's Website at www._____
- (d) Our Bid shall be valid for a period of **180** days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we shall submit a Performance Security equivalent to **FIVE Percent** of the value of the items approved in our favour [PSU's shall submit the Performance Security Declaration] for the due performance of the Contract; Within 15 days From the date of order. The performance security will be **TWO Percent for MSME firms.**
- (f) Our firm is not Debarred/Blacklisted/ Restricted by the state Government/ RAJUVAS or the Procuring Entity.
- (g) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed;
- (h) We agree to permit Government of Rajasthan or the Procuring Entity or their representatives to inspect our premises, accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by them;
- (i) We declare that we have complied with and shall continue to comply with the provisions of the Code of Integrity including Conflict of Interest as specified for Bidders in the Rajasthan Transparency in Public Procurement Act, 2012, the Rajasthan Transparency in Public Procurement Rules, 2013 and this Bidding Document during the procurement process and execution of the Contract till completion of all our obligations under the Contract;

Name: _____ In the capacity of: _____

Date: _____ Signed: _____

Duly authorised to sign the Bid for and on behalf of: _____

Complete Address _____

Tel: _____ Fax: _____ E-mail: _____



Section E (ii) :-**Format for Qualification Requirements**

All Bidders are instructed not to fill up the formats in illegible hand writing. Bidders should submit all the formats given below at Sr. No. 4 to 9 neatly written and duly signed by bidder so as to avoid any misunderstanding.

I/We(Name)-----
-----Designation -----having our Office at -----

-----do declare that I/We have read all the conditions of the Bid floated by The Dean, College of Dairy and Food Technology, Bassi, Jaipur for supply of Laboratory Equipment and agree to abide by all the conditions set forth there in.

I/We declare that we are participating in this bid in the capacity of I/We enclose valid Manufacturing License/Import license. The authorization by foreign Principal bearing No..... Valid up to in support therefore is enclosed with import license.

I/We further declare that the rates offered by us shall remain valid for the entire period of the Bid. I/We have enclosed the following documents as per details given against each:-

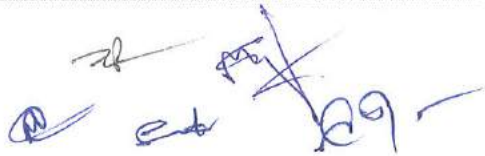
Name of Firm	Particulars
Capacity of Bidder(Manufacturer/Importer/ Authorized Distributor etc)	
Total Number of Pages in Bid Submitted	
Total Number of Products Quoted	
Total Bid Security for all Quoted item	
Name of Authorized Signatory	
Signature Specimen of Authorized Signatory	

Bidder has to fill all the columns given below:-

S. No.	Name of Document	Applicable to bidder or not (Yes/No)	Date of Issue	Date of Renewal	Valid Upto	Bidder should mark it as page number/ Enclosure number (As per direction in the bid document)
1	2	3	4	5	6	7
1.	Bank DD for Processing Fee (favour of MD, RISL, Jaipur)					29
2.	Bank DD for Bid Application Cost (to Dean, CDFT)					29
3.	Bid Security Deposit (to Dean, CDFT)					29

S. No.	Name of Document	Applicable to bidder or not (Yes/No)	Date of Issue	Date of Renewal	Valid Upto	Bidder should mark it as page number/ Enclosure number (As per direction in the bid document)
1	2	3	4	5	6	7
4.	GST Registration Certificate					Enclosure-10 (as Enclosure 10a, 10b, 10c and so on if the certificate has more than one page)
5.	Annual Turnover Certificate (Annexure – I)					30
6.	VAT/ Sales Tax Clearance Certificate (Annexure – II)					31
7.	Affidavit for not being Black Listed (Annexure – III)					32
8.	Certificate of Non-conviction (Annexure – IV)					33
9.	Board Resolution (Annexure – V)					34
10.	Manufacturing License / and Product permission of quoted items					Enclosure-1 (as Enclosure-1a, 1b, 1c and so on if the certificate has more than one page)
11.	Duly Notarised Photocopy of IMPORT License in Form 10 with Form 41, if applicable					Enclosure-4 (as Enclosure-4a, 4b, 4c and so on if the certificate has more than one page)
12.	Duly Notarised photocopy of Authorization letter for participation in bid for distributes by Competent Authority					Enclosure-2 (as Enclosure-2a, 2b, 2c and so on if the certificate has more than one page)
13.	Bank Details (Annexure – VII)					37
14.	Competency Certificate issued under price preference rules & Registration Certificate					Enclosure-3 (as Enclosure-3a, 3b, 3c and so on if the certificate has

S. No.	Name of Document	Applicable to bidder or not (Yes/No)	Date of Issue	Date of Renewal	Valid Upto	Bidder should mark it as page number/ Enclosure number (As per direction in the bid document)
1	2	3	4	5	6	7
	for MSME of Rajasthan from Industries Dept.					more than one page)
15.	Bank Guarantee (Annexure – VI)					35-36
16.	License of Sale for Importer issued by Competent Authority duly Notarised					Enclosure-5 (as Enclosure-5a, 5b, 5c and so on if the certificate has more than one page)
17.	Declaration as per RTPP Act on Rs. 100/- STAMP Paper as per Format in Section E(v) Page no. 15					Enclosure-6 (as Enclosure-6a, 6b, 6c and so on if the certificate has more than one page)
18.	The Declaration Form in section "E (ii)" Signed by the Bidder.					Page No. 9, 10, 11 & 12 (This document itself)
19.	TECHNICAL BID /List & DETAILS of Items Quoted given in section "E (iii)" part A and B Page no. 13-14					Enclosure- 7 (as Enclosure-7a, 7b, 7c and so on if the certificate has more than one page)
20.	Printed TECHNICAL Literature / Brochure of Products quoted					Enclosure-8 (as Enclosure-8a, 8b, 8c and so on if the certificate has more than one page)
21.	BIS Certificate / ISI marked / CE / FDA / Quality Certification etc					Enclosure-9 (as Enclosure-9a, 9b, 9c and so on if the certificate has more than one page)
22.	License of Sale for Importer issued by Competent Authority duly Notarised					Enclosure-5 (as Enclosure-5a, 5b, 5c and so on if the certificate has more than one page)



Note:

1. If any document doesn't have date of issue or last date of validity, **write Not Applicable (No Appl) in respective columns.**
2. Ensure that the scanned copies of documents are clearly readable & legible.
3. Ensure to mark and highlight the Technical Specification as per Bid Catalogue wherever they are present and mark Catalogue Tender Serial on the Brochure also to indicate the item quoted. Failing to provide complete details in 'Technical Bid/Detail of Items' may result in disqualification of the BID.
4. All the specification points should be present in the literature provided. These **specifications will preferably be matched at official website** of the Company as desirable by the technical committee.
5. Firms may at their own Demonstrate the Equipment in the College during tender period for better understanding of functioning and specifications of the equipment. Firms may also be **asked for demonstration of equipment** if deemed required by the Technical Committee whenever necessary.



Section E (iii):-

TECHNICAL BID / DETAILS of Items Quoted by Bidder

Note: - This format has to **BE COMPLETELY FILLED** AND provide **on LETTER HEAD necessarily**. Do not write by hand, preferably provide it neatly typed form to avoid misunderstanding.

It is compulsory for all bidders to fill the List of Items Quoted by Bidders and upload on the E-proc portal otherwise bid will be TREATED CANCELLED AND REJECTED.

E (iii) Part- A of Technical Bid Details

(in SINGLE LETTER)

Name of Firm	
Quoted in the CAPACITY of (Manufacturer / Importer / Authorized Distributor etc.....)	
Total Number of Items / Products quoted	
Tender Sr. No of Items Quoted (In Ascending Order 2, 5, 9, and so on)	
Technical Bid in format at E (iii) Part B , submitted <u>separately</u> for all quoted items (Yes / No)	
Literature / Brochure of ALL the Quoted items enclosed (Yes / No)	
USER Details and Past Supply orders enclosed for rationality / reference (Yes / No)	

Name: _____ In the capacity of: _____

Date: _____ Signed: _____

Duly authorised to sign the Bid for and on behalf of: _____

Complete Address _____

Tel: _____ Fax: _____ E-mail: _____

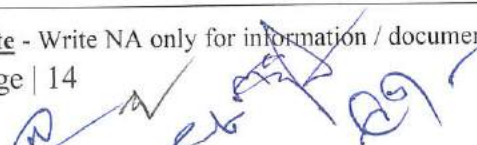


E (iii) Part- B TECHNICAL BID for Items QUOTED
(Submit as Seperate Sheet on LETTER HEAD for ALL different Items)

Tender Serial No: Name of ITEM – NOTE: Attach all related Brochure / Literature and 1-3 recent supply orders received for the quoted item with copy of BILL and USER Details	Make / Brand: Model No.: ISI / BIS or FDA certify: _____ (opt correct one)
Quoted in the capacity of (?): _____ (Manufacturer / Importer/Autho. Distributor etc.) Valid Manufacturing / Import License / Authorization certificate : _____ (Yes/No) Page no. at where License / Authorization certificate is attached : Pg No. _____	
Brochure / Technical Literature of quoted Item provided: _____ (Yes / No) Brochure / Technical Literature of quoted Item placed on PAGE No.: Pg _____ to Pg _____ Website Link of Manufacturer for cross-checking Technical Specs of Item quoted:- <www. _____	
Technical Specification Offered by FIRM	Compliance Statement
<u>Specification offered</u>	Specs offered by firm are fully/ partially in agreement with those required (tick the correct one)
Warranty offered = _____ Years	
Name and Contact Details of USER	Make & Model (supplied to the User)
Year of Supply / Installation	Copy of Supply Order enclosed (Yes / No)
Name 01 : Designation : Institute : USER Mobile: +91- User E-mail ID:	(on Pg No. _____)
Name 02 : Designation : Institute : USER Mobile: +91- User E-mail ID:	(on Pg No. _____)
Name & Specimen Signature of Officer of the Company (who is authorised to make correspondence with Department) Name: Date: ____ / ____ /2022 Autho. Signatures: _____ (with Seal)	

Note - Write NA only for information / document is Not Available

Signature of Bidder



Section E (iv)

Financial/ Price Bid Submission Sheet

**To,
The Dean
CDFT, Bassi, Jaipur-303301**

We, the undersigned, declare that:-

- a) We have examined and have no reservations to the Bidding Document, including Addenda, if any
- b) We offer to supply in conformity with the Bidding Document and in accordance with the specifications, the delivery schedule and other requirements as specified in Bid document.
- c) It will be our responsibility to ensure the viability and sanctity of all clearances/ licenses/ permissions / and Certificates provided in support of our financial and business health and ethics.
- d) (for Distributors) We have submitted “Authorization Certificate” on Original Letter head of the manufacturer/importer and Statement of Period of Warranty has also been authorized to us by the Manufacturer /Importer.
- e) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name: _____

In the capacity of: _____

Signed: _____

Date: _____

Duly authorised to sign the Bid for and on behalf of: _____

Complete Address _____

Tel: _____ Fax: _____ E-mail: _____



Section E (v)

Declaration by the Bidder

(Under Section 7 and 11 of the Act)

(On Non-Judicial Stamp of Rs. 100/- duly attested by Notary Public)

In relation to our Bid submitted to *The Dean, College of Dairy and Food Technology, Bassi, Jaipur [procuring entity]* for procurement of **Laboratory Equipments** in response to their Notice Inviting Bids No F. No (1) CDFT/Purch/Equipment/2021-22/ Dated 20/01/2022 we hereby declare under Section 7 and 11 of the Rajasthan Transparency in Public Procurement Act, 2012, that:

1. We are eligible and possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity; Declaration is given below as per Finance Department order F.1 (8)Vitta/GF&AR/2011 dated 04.02.2013.

Declaration by the Bidder

In relation to my/our Bid submitted to Dean, CDFT, Bassi, Jaipur for procurement of Laboratory Equipment in response to their Notice Inviting Bids No F.No. (1) CDFT/Purch/Equipment/2021-22/ Dated 21/01/2022 I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

- (a) I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
 - (b) I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document or applicable at time of bidding.
 - (c) I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
 - (d) I/we do not have, and our Directors and officers have not been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
 - (e) I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;
2. We have complied and shall continue to comply with the Code of Integrity as specified in the Rajasthan Transparency in Public Procurement Act, the Rajasthan Transparency in Public Procurement Rules and this Bidding Document, till completion of all our obligations under the Contract; as per Finance Department order F.1(8)Vitta / GF&AR /2011 dated 04.02.2013.
 3. We agree that Grievance Redressed process during procurement process will be as per RTPP Act, 2012 & Rules, 2013 and Finance Department order F.1(8)Vitta/GF&AR/2011 dated 04.02.2013.
 4. We agree that additional condition of contract will be as per Declaration Finance Department order F.1(8)Vitta/GF&AR/2011 dated 04.02.2013.

Date:

Place:

Address:

Signature of bidder

Name:

Designation:

Section (F)

(i) General Condition of Contract and Contract Forms

1. General Conditions of Contract

Submission of Online Bid Forms

- a. Online Bid super scribed **“Bid for Purchase of Laboratory Equipment** shall be submitted in two parts i.e. Technical Bid (Part-I) and Financial/Price Bid (Part-II) to the *Dean College of Dairy and Food Technology, Bassi, Jaipur at PGIVER Campus, N.H.-11 Agra Road, Jamdoli, Jaipur-302031*
- b. **Rates shall be mentioned both in words and figures.** The rates should mention Goods and Services Tax (CGST, SGST & IGST) separately, **including latest AMENDMENTS and as per applicable rules.**
- c. **The Bidder should essentially sign on every page of the Bid document, terms and conditions as a token of his acceptance of all the terms & conditions of the Bid in to-to, and submit the same online. Non receipt of the so desired Bid document duly signed by the Bidder shall render such proposals in the Bid to be rejected.**
- d. Bid will be opened online in the presence of such Bidders who choose to be present.
- e. Financial Bids only of those Bidders who qualify in Technical Bid will only be considered for Price Comparison & Finalization of Rates and Firms.
- f. All enclosures/disclosures in the Technical Bid must be PAGE NUMBERED and shall be filled in meticulously with precision and with documentary evidence wherever necessary.
- g. All the required documents / enclosures will have to be uploaded & attached along with Technical Bid (Part-I of the Bid) only. Eligibility for Financial Bid (Part-II of the Bid) will depend on the outcome of documents uploaded / electronically attached to Technical Bid which includes Technical Bid detail, user list and past supply orders.
- h. **Financial Bid (Part-II of the Bid) shall contain only the details of rates offered.** The Bid form must be duly filled as per instructions given on the e-procurement site online only; please do not mention your rates except in the format given on-line at above site. (<http://eproc.rajasthan.gov.in>)
- i. BOQ (Financial bid) giving the rates for various items in individual should be uploaded separately as Part - II here after called. "Financial Bid", which is to be filled online only as per BOQ.
- j. The dates scheduled for Receipt & Opening of Bid are fixed. However, the Dean, College of Dairy and Food Technology, Bassi, Jaipur, Rajasthan reserves the right of postponing the date of opening the Technical or Financial bids or both in the event of any unforeseen circumstances.
- k. If the last date for submission of Bid and opening of Bid happens to be a public holiday, the notified dates shall automatically get postponed to the next working date.
- l. Failure to upload the properly filled and signed Bid (Part-I & II) shall render the Bid invalid.
- m. The Dean, College of Dairy and Food Technology, Bassi, Jaipur, Rajasthan shall not be held responsible for non-receipt of the Bid due to failure in uploading thereof for any reason whatsoever.



- n. In the event of bid being submitted by a firm it must be duly signed by an authorized signatory. In the event of a partnership firm it must be signed by every partner of the firm or on its behalf by a person holding a power of attorney authorizing him to do so and in the case of company the bid should be executed in the manner laid in the Articles of Association. A letter of resolution must be attached in favour of the authorized signatory. Any change in the Constitution of the Firm/Company shall be notified forthwith by the Bidder to The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur and such change shall not relieve any former member of the Firm/ Company from the liability under the contract. No new partner/ partners shall be accepted in the Firm/ Company by the Bidder/Biding firm in respect of the contract unless he/ they agree to abide by all its terms and conditions and submit to The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur a written agreement to this effect. Receipt or acknowledgement of any partner subsequently accepted as above will bind all of them and will be sufficient to discharge for any of the purposes of the contract.

Partnership firm should attach certificate of registration with registrar of firms.

2. OTHER GENERAL CONDITIONS

- i. All correspondence /queries in this connection should be addressed to The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur.
- ii. Direct or indirect canvassing on the part of Bidders or their representative shall disqualify their Bids.
- iii. The **quantity indicated in the catalogues are mere estimates** and are intended to give an idea to the Bidders, so as to enable them in deciding to under-take the responsibilities of making supplies **on most competitive rates** to the Department keeping in view their manufacturing and supplying capacities. The figures indicated in the catalogue do not constitute any commitment on the part of department to purchase any of the articles in the quantities shown therein against each or in any quantity whatsoever. Institute holds right to increase or decrease the quantity of items in bid without citing any reasons.
- iv. Appropriate category of Bidders as per prevalent/existing rules shall be eligible for Price & purchase preference as per rules.
- v. Any provision not included in this document shall be governed by the relevant rules mentioned in the Rajasthan Transparency in Public Procurement Rules 2013, RTPPP Act, 2012 and GF&AR followed in Rajasthan and time to time amendment in respective rules.
- vi. Any objection against the quantity of the approved item indented i.e. being more or less compared to the proportion of quantity mentioned in the Bid document, will not be entertained and shall not be acceptable as a ground for non-supply.
- vii. The Dean, CDFT will have the right of rejection of all or any of the quotations without giving any reason for the same. The right to conclude parallel rate contracts with another firm for the stores detailed in this catalogue is also reserved by The Dean, College of Dairy and Food Technology, Bassi, Jaipur.
- viii. The Dean, College of Dairy and Food Technology, Bassi, Jaipur can extend the original rate contract, subject to original Terms and Conditions for a period deemed fit by him, but not exceeding three months, for which the Bidder will have to abide.
- ix. The contract for the supply can be repudiated at any time by The Dean, College of Dairy and Food Technology, Bassi, Jaipur if the supplies are not made to his satisfaction after



giving an opportunity to the Bidder of being heard and after reasons for repudiation being recorded by him in writing.

- x. **Extra stipulation or any other condition contrary to the above Bid conditions are not acceptable and shall render the Bid liable to rejection.**
- xi. Labelling, Packaging and Taxation should be as per prevailing rules.
- xii. Specific narration of quality, specifications & classification etc. should be written in covering letter Part-I (Technical Bid) except rates if the Bidder so desires.
- xiii. Bidders must make their own arrangements to obtain import license, if necessary.
- xiv. If a Bidder imposes conditions which are in **addition to or in conflict with the conditions mentioned herein**, his Bid is liable for rejection summarily
- xv. The Dean, College of Dairy and Food Technology, Bassi, Jaipur reserves the right to accept any Bid not necessarily the lowest, reject any Bid without assigning any reasons, accept Bid for all or anyone or more of the articles for which Bidder has submitted quotation or distribute order for items of stores to more than one firm.
- xvi. The Bidder shall furnish the following documents at the time of execution of agreement
 - Notarised copy of Partnership Deed in case of Partnership Firms
 - Registration number and year of registration in case partnership firm is registered with registrar of firms.
 - Address of residence and office telephone numbers in case of Sole Proprietorship
 - Registration issued by Registrar of Companies in case of company.
 - Original document for verification.

3. APPROVAL OF FIRMS & SUPPLIES THERE OF

- i. To the extent possible, no negotiations shall be conducted after the pre-bid stage. Negotiations may, however, be undertaken only with the lowest or most advantageous bidder under the following circumstances-
 - (a) When ring prices have been quoted by the bidders for the subject matter of procurement; or
 - (b) When the rates quoted vary considerably and considered much higher than the prevailing market rates.
- ii. The Bidders, who are declared as L-1 Suppliers for any number of items quoted in the Bid, shall be required to execute necessary AGREEMENT and PERFORMANCE SECURITY within 10 days from the date of LOI/LOA as specified in the Bid terms, for the supply of the Instruments for which their offered / negotiated rates have been declared as L-1.
- iii. The Dean College of Dairy and Food Technology, Bassi, Jaipur can take decision regarding dividing Quantities among more than one bidder at the time of award according to Rule 74 of RTPP Rules, 2013.
- iv. Articles rejected by the Institute or by authorized person will have to be replaced by the Bidder at his own cost within the period specified. If however, due to exigencies of government work such replacement either in whole or in part is not considered feasible, The Dean, College of Dairy and Food Technology, Bassi, Jaipur. after giving opportunity to the Bidder of being heard, shall for recorded reasons, be free to recover / deduct a suitable amount corresponding to the cost of rejected supplies including any other losses from the payments or any other dues to be made to the supplier. His decision in this matter will be final. The defaulting supplier is liable to indemnify COLLEGE OF DAIRY AND FOOD TECHNOLOGY, BASSI, JAIPUR, without any protest or demur, for any losses to him on this account.



- v. Legal proceeding if any arising out of the Bid shall have to be lodged in courts situated in Jaipur City only.
- vi. The Dean, CDFT can relax any of the terms and conditions of the Bid. In case of urgency the Terms & Conditions will be relaxed by The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur subject to subsequent confirmation by the Store Purchase Committee in accordance with RTPP Act, 2012 & RTPP Rules, 2013.

4. INSURANCE

The goods will be delivered FOR at Central store CDFT, Campus PGIVER, Jaipur in perfect condition. The supplier, if he so desires, may insure the valuable goods against loss by theft, destruction or damage by fire, flood, exposure to weather or otherwise viz (war, rebellion, riot etc). The insurance charges will be borne by the supplier and the state department will not be liable to pay or reimburse any such charges incurred by the supplier.

5. PAYMENTS

- i. Advance payment will not be made.
- ii. Unless otherwise agreed between the parties, payment for the delivery of the stores will be made on submission of bill/s in proper form by the Bidder to the CENTRAL STORES in accordance with the procedure laid down.
- iii. All remittance charges will be borne by the Bidder.
- iv. Payment of those goods which need testing shall be made only when such tests have been carried out and test results received conforming to the prescribed specification.

6. RECOVERIES

Recoveries of liquidated damages, short supply, breakage, rejected articles shall ordinarily be made from bills. Amount may also be withheld to the extent of short supply, breakage, rejected articles and in case of failure in satisfactory replacement by the supplier along with amount of liquidated damages shall be recovered from his dues and Performance security available with the department. In case recovery is not possible recourse will be taken under Rajasthan PDR Act or any other law in force.

7. **In the event of any dispute** arising with the districts regarding the supplies, the decision of The Dean, College of Dairy and Food Technology, Bassi, Jaipur shall be final and binding on both the parties.

8. Filing an Appeal

If any Bidder is aggrieved that, any decision of the Procuring Entity is in contravention to the provision of the Act or the Rules or the Guidelines issued there under, he may file an appeal to the first or second Appellate Authority, within a period of ten days from the date of such decision, clearly giving the specific ground on which he feels aggrieved.

Fee for first appeal shall be Rs. 2500 and for second appeal shall be Rs 10,000

- (a) First Appellate Authority- Comptroller, Rajasthan University of Veterinary and Animal Sciences Bikaner.
- (b) Second Appellate Authority- Vice Chancellor, Rajasthan University of Veterinary and Animal Sciences Vety College Road, Bikaner.

9. **Validity of Bids - Bids shall be valid for a Period of 120 days from the date of opening of technical bid.**

10. **All the provisions of Rajasthan Transparency in Public Procurement Act, 2012, Rajasthan**

Transparency in Public Procurement Rules, 2013 and GF & AR will be applicable in this bid.

(ii) Special Conditions of Contract

1. Documents to be electronically attached / Up-loaded in the Technical Bid

The Bidder should essentially upload the following attachments/ certificates for the items Bided along with the Bid document here after called "Part - I".

- (1) Proof of Processing Fees 1000 /- paid in favour of **MD RISL, Jaipur**. (Please enclose this document at Page no.29)
- (2) Proof of Bidding Application Cost 1000/- paid in favour of The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur. (Please enclose this document at Page no.29)
- (3) Proof of Bid Security paid in favour of The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur. (Please enclose this document at Page no.29)
- (4) GST Certificate, (Bidder should mark it as Enclosure-10; If the certificate has more than one page, then please mark each page as Enclosure-10a, 10b, 10c and so on at upper right corner)
- (5) Annual Turnover Statement for last three years in Annexure –I (Please enclose this document as Page no.30)
- (6) VAT/GST/ Sales Tax Clearance Certificate upto March, 2017 in Annexure –II (Please enclose this document as Page no.31)
- (7) Certificate for Clean Record (Non Conviction Certificate) from the competent authority in Annexure –IV exercising the powers under Drugs and Cosmetics Act, 1940. If not applicable under Drug & Cosmetics Act, 1940 then a non-conviction declaration on a non-judicial stamp of Rs. 100/- duly Notarised shall be submitted. (Please enclose this document as Page no.33)
- (8) Affidavit for not being Black Listed in Annexure –III on non-judicial stamp of Rs. 100/- duly Notarised by notary (Please enclose this document at Page no. 32)
- (9) **Notarised copy** of manufacturing license for the products (Instruments) approved by the licensing authority, mentioning date of approval for products quoted in the Bid. The license & product list both should be renewed and up to date. (Bidder should mark it as Enclosure-1 (if the certificate has more than one page, then please mark each page as Enclosure-1a,1b,1c and so on at upper right corner)
- (10) Copy of acknowledgement of EM-II and an affidavit on non-judicial stamp paper in case of MSME of Rajasthan. (Bidder should mark it as Enclosure-3 (if the certificate has more than one page, then please mark each page as Enclosure-3a,3b,3c and so on at upper right corner)
- (11) Duly Notarised photocopy of import license (IEC) for Instruments as applicable along with **authorization by foreign principal bearing number**. (Bidder should mark it as Enclosure-4; If the certificate has more than one page, then please mark each page as Enclosure-4a,4b,4c and so on at upper right corner)
- (12) In case of imported Instruments, license for sale issued by concerning licensing authority duly notarised. (Bidder should mark it as Enclosure-5 (if the certificate has more than one page, then please mark each page as Enclosure-5a, 5b, 5c and so on at upper right corner)
- (13) **AUTHORIZATION LETTER** for participation in bid for **Distributors** issued after tender start date 24-01-2018 and on letter head of original manufactures/ Importer. Hard copy must also be submitted by post along with DDs. Enclose -2
- (14) The Declaration form in section"E (ii)" Signed by the Bidder. (As given at Page no. 9, 10, 11 and 12)
- (15) The Declaration under RTPP Act as Format E (v) on Rs. 100 Stamp. (Bidder should mark it as Enclosure-6; If the certificate has more than one page, then please mark each page as Enclosure-6a,6b,6c and so on at upper right corner)
- (16) **TECHNICAL BID / List & DETAILS of all ITEMS Quoted** in Format given in section "E (iii)" **part-A and part-B** as given at **page no. 13-14** and sign it. (Bidder should mark it as



Enclosure-7. if the certificate has more than one page, then please mark each page as **Enclosure-7a, 7b, 7c** and so on at upper right corner)

- (17) PRINTED TECHNICAL BROCHURE /LITERATURE for the quoted items are **MUST with highlighted specification space** with the Samples for the quoted items wherever required in the catalogue. Samples will be accepted which are properly packed, sealed and labelled. (Bidder should mark it as Enclosure-8; If the certificate has more than one page, then please mark each page as Enclosure-8a, 8b, 8c and so on at upper right corner.
- (18) PAST user lists, supply orders for rationality and linking of technical brochure to **company's WEBSITE** should also be ensured.
- (19) BIS license duly **Notarised** for ISI marked items. (Bidder should enclose it as enclosure 9) (if the certificate has more than one page, then please mark each page as Enclosure-9a, 9b, 9c and so on at upper right corner)
- (20) FDA Certificate, if required. (Bidder should mark it as Enclosure-9; If the certificate has more than one page, then please mark each page as Enclosure-9a, 9b, 9c and so on at upper right corner..

Note:

- a. **All documents must be submitted online. Up-loading un-notarised copies of the above documents will not be considered valid and shall render the proposal to be rejected.**
- b. Documents should be under the name and address of premises where items quoted are actually manufactured.
- c. **The Bidder will be liable for outright rejection if any rates / discounts / special offers are made/ disclosed in the Technical Bid.**

2. Submission of Financial Bid

The Bid form duly filled as per BOQ (Financial bid) giving the rates for various items in individual should be uploaded separately as Part - II here after called "Financial Bid".

1. Bid cost, Processing Fees and Bid Security by way of DD/Banker page.29) must be submitted separately prior to the date of opening of the Bid.
2. Among indigenous items, ISI marked items would be preferred and non ISI items will be considered only when ISI category is not available in the participating Bid.

3. BID SECURITY

The Bid Security shall be **2% of the estimated value of the each item as given in the 6th column in the list of catalogue(2% of Estimated Value for Bid Security has been Calculated and given in the 7th column)** for each item of Instrument and equipment quoted. In lieu of the Bid Security, a Bid-Security declaration shall be taken from Undertakings and Corporations Autonomous bodies, registered societies, co-operating societies which are owned or controlled or managed by of GoI & GoR. Bid Security 0.5 % of the estimated value of each item as given in the 7th column of catalogue (page 38 to 75) {Bidder should calculate} will be taken from MSME Units of Rajasthan. **The Bid submitted without sufficient Bid Security will be summarily rejected.** The Bid Security will be forfeited, if the Bidder withdraws its Bid during Bid validity period or in the case of a successful Bidder, if the Bidder fails within specified time to sign the contract agreement or fails to furnish the Performance security. **Bid security shall be valid for 180 days i.e. 60 days beyond the bid validity period.**

- i. The Bid Security must be submitted in favour of The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur in any of the following forms:-
Bank Guarantee or Demand draft or Bankers cheque of a scheduled branch should submitted after completion of tender process.
- ii. The Bid Security will be refunded to the Bidders in due course, after completion of tender process.
- iii. It may also be noted that the department does not undertake to assist in the procurement of raw material whether imported or controlled as well as restricted and as such the Bidder must

offer their rate to supply the specific items from own quota of stock by visualizing the prospect of availability of raw material needed. Any of the above points if taken, as argument for non-supply/ late supply will not be entertained.

4. RATES

Rate must be valid for the entire period of the Bid and must be offered conforming to the following:-

- i. Rates have to be quoted in Indian Rupees only including installation to commissioning. Rates in foreign currency will be rejected, and FOR to Store, CDFT, Bassi, campus PGIVER, Jaipur.
- ii. Rates must be offered net rate only against the specified packing of the items. The net rate must be inclusive of all charges by way of packing, forwarding, incidental or transit charges including transit insurance and any other levies or duties etc. chargeable on the product. If rates are quoted giving any free goods quantity or cash discounts the same shall not be considered.
- iii. Only GST or other taxes if applicable will be payable over net rate.
- iv. Other statutory increase or decrease shall be agreed upon mutually between The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur and Bidders and revised rates shall be applicable on order received by the contractor on or subsequent to the date of such increase / decrease in government duty.
- v. The rates should be confined as far as possible to the packing units mentioned in the catalogue and different rate for different packing should be avoided. Further only total price should be offered against specified item. In no case the rate should be split up showing the cost of any on the component parts of the specified item. If split price are found, the item may be treated as rejected.
- vi. The rates must be written both in words and figures.
- vii. **Final Price Comparative will be made on basis on unit cost of item inclusive of GST and exclusive of the submitted Extended Warranty Prices.**

5. Comparison of rates of firms outside and those in Rajasthan:-

Comparison of rates of firms outside and those in Rajasthan shall be made as per the direction of Government of Rajasthan.

6. Guarantee/ Warranty of minimum 5 year period is mandatory:- (On Manufacturer Letter Head)

In case of Authorized Distributors, a statement of WARRANTY PERIOD offered; have to be provided on the letter head of Original Manufacturer / Importer mentioning that manufacturer/importer also will ensure the warranty of items quoted. The Bidder shall give guarantee that the goods/ stores/ articles would continue to conform to the description and quality as specified in the catalogue from the date of DELIVERY & INSTALLATION and that notwithstanding the fact that the purchaser may have inspected and / or approved the said goods/ stores / articles. If during the specified period the said goods/ stores/ articles are discovered not to conform to the description and quality as said for/ or have determined, then the decision of the DEAN, CDFT, Bassi, Jaipur in that behalf will be final and conclusive. The purchaser will be entitled to reject the said goods/ stores / articles or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection the said goods/ stores / articles will be at the sellers risk and all the provisions relating to rejection of goods, etc., shall apply. The Bidder shall, if so called upon to do so, replace the goods etc. or such portion thereof as is rejected by the Purchase Officer, otherwise, the Bidder shall pay such damage as may arise by reason of such breach of the condition here in contained. Nothing here in contained shall prejudice any other right of the Purchase Officer in that behalf under this contract or otherwise.

7. In case, any item supplied by the approved firm does not conform to the required standard, the payment thereof, if received by the supplier shall have to be refunded to The Dean, CDFT, Bassi, Jaipur. Apart from this, such supplier shall be liable to be dealt with under provisions of Drugs & Cosmetics Act 1940/condition of bid document/contract. The supplier will not have any rightful



claim to the payment of cost for substandard supplies which are consumed either in part or whole. It may be noted that supply of goods less in weight and volume than those mentioned on the label of the container is an offence and the same will be dealt in accordance with the existing law and in such case even the contract is liable to be cancelled.

8. **The names & specifications of articles** which are offered should be mentioned against each item of the catalogue. Mere indication of English/ USA/ Indian will not serve the purpose.
9. **The approved supplier shall furnish a copy of laboratory performance test** report, of the batch number of the Instruments which has been supplied along with the bill (if applicable).
10. **In the case of supply of Imported Item** the suppliers shall furnish a certificate along with the bill to effect that the firm has completed all the formalities in connection with the import.
11. **CUSTOM/ EXCISE Clearance:-**

The institute has been exempted for Custom/ Excise tax as per DSIR Letter No. TUV/V/ RG-CDE (1167)/2014 dated 19-09-2014. Necessary document required for custom/ Excise exemption could be issued on request by the supplier. Period of Supply has been extended by 7 days for import cases. Any further extensions will only be considered by competent authority only.

12. **DELIVERY OF GOODS**

Delivery of goods shall be given **F.O.R. at The Central Store, CDFT, Bassi, Campus PGIVER Jaipur** and no cartage or transportation or loading/unloading or insurance charge for the purpose shall be paid.

13. **PERFORMANCE SECURITY**

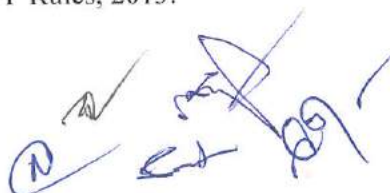
All firms, whose offers are accepted, will have to deposit a Performance security equal to 5% (five percent) of the total value of quantity as per Bid catalogue. The Bid Security of successful Bidder will be adjusted toward Performance security and balance will be given in one of the following forms only.

- a. Bank Draft or Banker Cheque of a scheduled bank in favour of The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur.
- b. National Saving Certificates and any other script/ instrument under National Saving Schemes for promotion of small savings issued by a Post Office in Rajasthan, if the same can be pledged under the relevant rules. They shall be accepted at their surrender value at the time of Bid and formally transferred in the name of procuring entity at the time of submission of Agreement.
- c. Unconditional Bank guarantee/s of a scheduled bank in prescribed format.
- d. FDR of scheduled bank which should be in the name of procuring entity on account of bidder and discharged by the bidder in advance. In this regard the provisions of rule 75 of RTPP Rules, 2013 will be applicable.

Successful Bidders will have to execute an agreement on a Non Judicial Stamp Paper of Requisite Stamp in the prescribed form with The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur and deposit security for the performance of the contract within 15 days from the date on which the acceptance of the Bid under registered cover is communicated to him or by e-mail whichever is earlier.

The security will be refunded after a period of six months from the date of completion of all contractual obligations including guarantee/warranty, whichever is later. No interest will be paid by the department on the Performance security.

In case of breach of any terms and conditions of the contract or on unsatisfactory performance, the amount of Performance security shall be liable for forfeiture in full or part by DEAN COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, JAIPUR and decision of DEAN COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, JAIPUR shall be final. If a Bidder fails to deposit the security or to execute the agreement within the period specified, it will be treated as a breach of the terms and conditions of Bid and will result in forfeiture of Bid Security besides any other action for this default with respect to RTPP Act, 2012 & RTPP Rules, 2013.



The expenses of completing and stamping the agreement shall be paid by the Bidder who shall furnish to The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur, one executed stamped counter part of the agreement free of charge.

NOTE:-Undertakings, Corporations, autonomous bodies, registered societies, co-operative societies which are owned, controlled or Managed by GOI/GOR, need not to furnish amount of Performance security. They would be required to submit a declaration in lieu of performance security.

Firms registered with the Director of Industries, Rajasthan, Jaipur as MSME shall furnish the amount of Performance security @2% of the estimated cost (Contract value) of the items quoted in the Bid.

It is to be noted that earlier years Bid Security/Performance security, even if lying in this department, shall not be considered towards this contract and therefore Bid Security /Performance security should be furnished afresh.

14. Inspection of Premises

The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur Rajasthan or his authorized representative (s) has the right to inspect the factories / premises of those companies who have quoted for the Bid, before accepting the rate quoted by them or before releasing any order (s) or at any point of time during the continuance of the Bid. College of Dairy and Food Technology (CDFT), Bassi, Jaipur Rajasthan has the right to reject the Bid or terminate / cancel the orders issued or not to re-order based on the facts brought out during such inspections.

15. The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur reserves the right to cancel bid / bid proceedings and reject all bids without assigning any reason.

16. SUPPLY ORDERS

- i. All the supply orders will be placed on the Bidder's Address with a copy to Manufacturers / Importer located in India (in case of Bidder being Authorized Distributor) by **COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, JAIPUR** through registered post and /or email and the date of email /or registry at the post office whichever is earlier will be treated as the date for calculating the period of execution of supplies. The supplying firms will execute all orders within the stipulated period as mentioned below.
- ii. The indigenous suppliers should execute supplies placed for items within **21 days** from date of Registered post /or E-mailing of the supply order. The Importer should execute supplies for placed items within **30 days** from date of Registered post /or E-mailing of the supply order. Liquidated damages will be recovered for the days in excess of period prescribed for supply. Material delivered **FOR Store** should be accompanied with laboratory test report (if applicable) for the batch of instrument supplied. Dates can be extended only under emergency situations as decided by institute.
- iii. The Bidder / approved supplier **shall not assign or sublet his contract** or any part thereof to any other agency.
- iv. Every product supplied should be of good quality conforming to the specifications approved. Supplies of goods less in weight and volume or any other specification than those mentioned on the label of the container / packing is an offence and shall be dealt with under the provisions of the Drugs and Cosmetic Act & Other existing law.
- v. **The supplies of the Instruments& Equipments will be considered to be complete only upon receipt of the installation / test reports of the products supplied (if applicable).** The supplier will not have any rightful claim to the payment of cost for supplies pending receipt of laboratory tests. Products that do not meet quality requirements shall render the relevant batches liable to be rejected. Any complaint communicated to the supplier regarding the quality of the product supplied shall have to be attended by the supplying firm within a period of 15 days from the receipt of the letter.

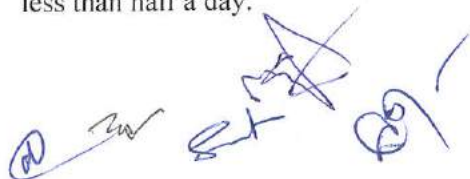


- vi. If the products do not conform to statutory standards, the entire stock will have to be taken back by the Bidder within a period of 15 days from the receipt of the letter/ relevant communication, at the expense of the Bidder / approved supplier and shall be liable for relevant action under the existing laws. In such cases the defaulting supplier is liable to indemnify THE DEAN, COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, JAIPUR without any protest or demur, for any losses borne by him.
- vii. In the event of non-supply or short supply for valid reason / hindrances beyond the control, the Bidder (supplier to whom order has been placed) shall have to apprise The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur about the same in writing, at least 15 days prior to the expiry of the stipulated supply period and seek permission for extension of supply period. **The Dean College of Dairy and Food Technology (CDFT), Bassi, Jaipur Rajasthan shall have the discretion to permit extension in the stipulated period of supplies with or without Liquidated Damages.**
- viii. In the event of failure of supplies or short supplies within the permissible supply period, and due approval of extension in the supply period has not been sought, **the relevant supply order shall automatically stand cancelled up to the extent of non-supply or short supply.** The Dean College of Dairy and Food Technology (CDFT), Bassi, Jaipur shall have the right and discretion to transfer the supply order as per provision of Rule 74 of the RTPP Rules, 2013 or resort to purchase at the risk & cost of bidder from other quoting firms available in the list of participating Bidders, in quantities up to the extent of non-supply or short supply or from any other sources or open market on the rates offered by them / prevalent market rates. **Any extra expenses or difference in cost on this account shall be recovered from the due payments or Performance security of the defaulting Bidder** and the defaulting supplier is liable to indemnify THE DEAN, COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, JAIPUR, without any protest or demur, for any losses borne by him.
- ix. Conditions such as “**Non-availability of raw material**” or “**Escalation in the prices of raw material**” etc. put forth to justify the non-supplies or short supplies of the products approved, during or at any point of time of the contractual period, will not be considered and failure of supplying the indented product will be taken as wilful refusal to supply. **The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur shall have all powers to recover any losses on this account from any payments due to be made to the firm and /or forfeit the Performance security and terminate the contract along with black listing the firm.**
- x. In the event of non-supply/short-supply, an amount of 10% of the cost of the items non-supplied/short-supplied shall be deducted from the due payment or performance security.

17. LIQUIDATED DAMAGES.

- i. The time specified for delivery in the Bid form shall be deemed to be the essence of the contract and the successful Bidder shall arrange supplies within the stipulated period on receipt of the supply order from the Purchase Officer.
- ii. In case of extension in the delivery period with liquidated damages, the recovery shall be made on the basis of following percentage of value of Stores pending to be supplied –
 - **Delay up to ¼ period of the prescribed Delivery period – 2.5%**
 - **Delay exceeding ¼ but not exceeding ½ of the prescribed delivery period - 5%**
 - **Delay exceeding ½ but not exceeding ¾ of the prescribed delivery period - 7.5%**
 - **Delay exceeding ¾ but is not exceeding the period equal to the prescribed delivery period – 10%**

Note: - Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.



- iii. The maximum amount of liquidated damages shall be 10%. **Delay in supplies exceeding the period equal to the prescribed delivery period shall render the supply order cancelled and any supplies made beyond this period shall be the sole risk of the approved supplier. DEAN COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, JAIPUR RAJASTHAN** shall not be liable for any payments whatsoever on this account.

18. QUALITY ASSURANCE

- i. All supplies of Instruments delivered to the Central Store, shall essentially be accompanied with Q.C. OK Report if applicable).
- ii. The decision of The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur, Rajasthan as regards ascertaining the quality of the stores shall be final and binding upon the Bidder.
- iii. The equipments/instruments/ machine must be validated from the 3rd party which us having NABL accreditation for calibration/ validation of the concerned equipments/instruments/ machine at bidders cost.
- iv. The Bidder shall be responsible for proper packing and delivery of the material to the consignee. Any loss, damage or breakage, leakage or shortage observed on receipt of supplies and reported by the in-charge of the Store, it will be the responsibility of the supplier who shall be required to make good the loss within 15 days from the date of information sent by the In-charge of the Store. No extra cost on such account shall be admissible. **Failure to make good the above losses shall be liable for deduction of the corresponding amount from bills which shall be final and binding.**
- v. Bidders shall be required to provide printed descriptive literature of the approved Instruments supplied,

I / We have read the above terms and conditions and I / we agree to abide by the same



(iii) Contract Forms

Agreement

*(To be executed on a non-judicial stamp as per directions of the Government
if the bidder is declared successful – is Value wise @ Rs 500 or more)*

An agreement made this _____ day of _____ between _____ (hereinafter called "the Supplier"), which expression shall, where the context so admits, be deemed to include his heirs successors, executors and administrators of the one part and The Dean, College of Dairy and Food Technology (CDFT), Bassi, Jaipur [*name of the Procuring Entity* (hereinafter called "the Procuring Entity") which expression shall, where the context so admits, be deemed to include his successors in office and assigns) of the other part.

WHEREAS the Procuring Entity invited Bids for certain Goods and Related Services, viz., Laboratory _____ Equipment and has accepted a Bid by the Supplier for the supply of those Goods and Related Services for the sum of _____ (amount in figures and words) (herein after "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract referred to.

1. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) The Procuring Entity's Notification to the Supplier of Award of Contract;
 - (b) The Bid Submission Sheet and the Price Schedules including negotiated Price, if any, submitted by the Supplier;
 - (c) The Special Conditions of Contract;
 - (d) The General Conditions of Contract;
 - (e) The Schedule of Supply;
 - (f) Instructions to Bidders;
 - (g) The Notice Inviting Bids;
 - (h) _____.

In the event of any discrepancy or inconsistency within the Contract documents, the documents shall prevail in the order listed above.

2. In consideration of the payments to be made by the Procuring Entity to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Procuring Entity to provide the Goods and Related Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.



Signature of Bidder

(With seal)

Bidder should enclose his Proof of Bidding Document Cost of Rupees One Thousand at this Page, Page no..... (Copy of Demand Draft in favour of Dean, CDFT, Bassi, Jaipur.)

Bidder should enclose his Proof of Processing Fees Rupees One Thousand only at this Page, Page no..... (Copy of Demand Draft, in favour of MD, RISL Jaipur).....

Bidder should enclose his Proof of Bid Security at this Page, Page no..... (Copy of Demand Draft in favour of Dean, CDFT, Bassi, Jaipur.)



ANNUAL TURN OVER STATEMENT

The Annual Turnover of M/s for the past Three Years are given below and certified that the statement is true and correct.

SL. No.	YEARS	TURNOVER [RUPEES IN LAKHS]
1.	2018-19	
2.	2019-20	
3.	2020-21	
	Total	

Average Turnover per Annum Rs..... Lakhs.

OR

Certified that the audit of accounts of the year 2020-21 has not been completed, hence figures of last three years from 2017-18 to 2019-20 are being given as per audited accounts :-

SL. No.	YEARS	TURNOVER [RUPEES IN LAKHS]
1.	2017-18	
2.	2018-19	
3.	2019-20	
	Total	

Average Turnover per Annum Rs..... Lakhs.

Signature of Auditor/ Chartered Accountant

[Name & Seal of Signatory]

Date:

Annexure – II

VAT/GST Clearance Certificate

TCC Number:

Date:

This is certified that M/s.....

(Firm name with official address) Registration No. (TIN)..... GST No.....has no tax liability outstanding and above has paid current tax up to the month of March, 2021 / Firm has submitted its VAT returns up to the month of March, 2021 and paid tax accordingly.

Signature

Name:

Designation:

Location:

Handwritten signatures and initials in blue ink, including a circled 'N', 'Sub', and '29'.

UNDERTAKING

(On non-judicial stamp paper on Rs 100/- and duly Notarised by Notary Public)

I, _____
Prop/ Partner/ Director of M/S _____

do hereby declare that:

1. I have read the terms and conditions of the Bid and I agree to abide by these terms and conditions and other guidelines issued in this regard.
2. I have enclosed all additional undertakings and / or certificates as required, as per Bid conditions. The information given by me in this tender form is true and correct to the best of my knowledge and belief and the rates quoted are not higher than the rates quoted to other Govt. / Semi Govt. / Autonomous / Public Sector Hospitals / Institutions / Organisations in the same financial year.
3. I have not been deregistered or black listed by any govt. /autonomous institution, hospital or body in India for an item which is being quoted here by me in this Bid or for participating in bid altogether.

Signature of Bidder



Annexure – IV

NON CONVICTION CERTIFICATE

(On non-judicial stamp paper on Rs 100/- and duly Notarised by Notary Public)

This is to certify that our firm M/s.....
(Name of firm with official address) having License Nos..... granted
on (date.....) valid up to (date.....) has not been
convicted by any of the state government or central government organization during the last
five years.

Signature of Bidder

Handwritten signatures and initials in blue ink, including a circled 'A', a signature, and the initials 'AG'.

Annexure – V

Board Resolutions

M/s _____ (To be submitted by each consortium member and Parent company)

COPY OF BOARD MEETING HELD ON ----- AT -----

The Board, after discussion, at the duly convened Meeting on, with the consent of all the Deans present and in compliance of the provisions of the Companies Act, 1956, passed the following Resolution:

RESOLVED THAT approval of the Board be and is hereby accorded to participate in for the **“Open Bid for ” Laboratory Equipments of College of Dairy and Food Technology (CDFT), Bassi, Jaipur,** and Mr./ Ms. _____, is hereby authorized to execute the Consortium Agreement or any other document/ paper related to Bid.

FURTHER RESOLVED THAT pursuant to the provisions of the Companies Act, 1956 and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board, be and is hereby accorded to invest for the **“Bid for Laboratory Equipments” of College of Dairy and Food Technology (CDFT), Bassi, Jaipur.**

(Director)

Certified true copy by Company Secretary/ Managing Director/ Director (Signature, Name and Stamp of Company Secretary/ Managing Dean/Dean)

1. This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary/ Managing Dean/Dean.
2. The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.

Note: - Companies/firms may submit above certificate regarding Board Resolution in different format also which should clearly indicates that the company has passed resolution for participating in the bid (Specific or general)



Annexure – VIFORM OF BANK GUARANTEE (For Bid Security/Performance Security)

(Only for those Applicable)

COLLEGE OF DAIRY AND FOOD TECHNOLOGY (CDFT), BASSI, N.H. -21 AGRA ROAD, JAMDOLI, JAIPUR-303301 Whereas the Dean, (hereinafter called the “DEAN CDFT”) having entered into an Agreement No..... dated..... with M/s willing to submit Performance Security (hereinafter called the” Supplier”) for Supply of here-in-after called “the said Agreement” under which the Supplier(s) M/s have applied to furnish Bank Guarantee to make up the full Security Deposit/ performance.

1. In consideration of the DEAN having made such a stipulation in agreement. We..... (Indicate the name of the Bank) here-in-after referred to as “the Bank” at CDFT, Jaipur the request of M/s..... Supplier(s) do hereby undertake to pay to the DEAN amount not exceeding Rs..... (Rupees..... only) on demand by DEAN CDFT, Jaipur.
2. We (Indicate the name of Bank), do hereby undertake to pay Rs.....,without any demur or delay, merely on a demand from the DEAN, CDFT, Jaipur any such demand made on the bank by the DEAN, CDFT shall be conclusive and payable by the Bank under this guarantee. The Bank Guarantee shall be completely at the disposal of the DEAN, CDFT and We (indicate the name of Bank), bound ourselves with all directions given by DEAN regarding this Bank Guarantee However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).
3. We (Indicate the name of Bank), undertake to pay to the DEAN, CDFT any money. so demanded notwithstanding any dispute or disputes raised by the Supplier(s) in any suit or proceeding pending before any Court or Tribunal or Arbitrator etc. relating thereto, our liability under these presents being absolute, unequivocal and unconditional.
4. We (indicate the name of Bank), further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of said Agreement and that it shall continue to be enforceable till all the dues of the DEAN, CDFT under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said supplier and accordingly discharges this guarantee.
5. We (indicate the name of Bank), further agree with the DEAN, CDFT that the DEAN, CDFT shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time to performance by the said Supplier(s) from time to time or to postpone for any time or from to time any of the powers exercisable by the DEAN, CDFT against the said supplier forbear or enforce any of the terms and conditions relating to the said Agreement and forbear or enforce any of the terms and condition relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the - 80 - said Supplier(s) or for any forbearance act or omission on the part of the DEAN, CDFT or any indulgence by the DEAN to the said Supplied(s) or by any such matter or thing whatsoever which would but for this provision, have effect of so relieving us.
6. The liability of us (Indicate the name of Bank), under this guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier.



7. We (Indicate the name of Bank), lastly undertake not to revoke this guarantee except with the previous consent of the DEAN, CDFT in writing.
8. This Performance Guarantee shall remain valid and in full effect, until it is decided to be discharged by the DEAN. Notwithstanding anything mentioned above. Our liability against this guarantee is restricted to Rs..... (Rupees only).
9. It shall not be necessary for the DEAN, CDFT to proceed against the Supplier before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the DEAN, CDFT may have obtained or obtain from the Supplier.
10. The Bank Guarantee shall be payable at the Jaipur. If the last date of expiry of the Bank Guarantee happens to be a holiday of the Bank, the Bank Guarantee shall expiry on the close of the next working day.

Datedday of.....

Signature & Designation	
For and on behalf of the Bank (indicate the Bank)	

Note: - Format should be filled / amended for Bid Security/Performance Security as applicable.



Annexure – VII

All the Bidders are instructed to submit following information required for on-line payments. Please, write neatly and enclose photocopy of the Bank Passbook as well as a cancelled cheque in support of the details.

Format for Bank Details

(Details of Third Party for Online Payment)

Name of the Firm / Company	
Address	
Name of the Bank	
Branch Address of the Bank	
IFSC Code of the Bank	
Bank Account Number	
Photocopy of <u>Bank PASSBOOK</u> and a <u>Cancelled Cheque</u>	_____ (enclosed Yes / No)
GST Regd. No.	
PAN Number	
Aadhar No. of Authorized Person	
Mobile No. of Authorized Person	+91 - _____
E-mail ID	
Above details are correct and Copy of BANK PASSBOOK and a CANCELLED CHEQUE of same Bank Account is Enclosed	
Authorized Signature (with Seal)	

List of Laboratory Equipments

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
1.	UV-VIS Spectrophotometer	<p>Photometric system</p> <ul style="list-style-type: none"> • Double beam, Czerny-Turner mounting, single monochromator, Lo-Ray grade blazed holographic grating • Wavelength range 190 – 1100 nm • Spectral Bandwidth: 0.1, 0.2, 0.5, 1, 2, 5 nm • Wavelength accuracy: ± 0.1 nm • Wavelength slew speed: 14000nm/min • Wavelength Scanning speed: 0.5-4000 nm/min • Stray light: Max. 0.5% at 220 nm (NaI) & 340, 370 nm (NaNO₂), 1% (198 nm, KCl) • Photometric accuracy: ±0.004Abs (0.5~1.0A) • Photometric range: -5 to 5 Abs. • Light Source: 50 W Halogen and Deuterium lamp, Auto position adjustment built-in. • Detector: Photodiode Array Detector • Software: Windows 10 genuine • PC with in-built Wi-Fi device (Dell/Hp; Monitor: 24" with 1440 resolution, wireless Keyboard and mouse) with i7 processor 10th generation, 8GB RAM and 250 GB SSD Hardisk and Multifunction Never stop Laser Printer (Hp) with Wi-Fi and USB connectivity, Pen Drive – 32 GB; Cleaning kit and Equipment Cover • Should have DIN EN ISO and IEC 17025 certification <p>Accessories required (Extremely Mandatory)</p> <ul style="list-style-type: none"> • Cuvette (2mL) – 06 (Glass transparent with lid with box), 06 (Quartz with lid with box), 06 (Amber colour with lid) and 1 Box (10 Pcs. Plastic cuvette with lid) • One revolving height adjustable stool chair (SS) • 3 KVA online UPS with Min 1hr battery backup 	1	7,50,000.00	7,50,000.00	15000.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
2.	Tabletop Refrigerated Centrifuge	<ul style="list-style-type: none"> • The instrument should be supplied complete in all respects like Cleaning kit, Equipment Cover, operating instructions, quick guide, and declaration of conformity and test certificate. • Warranty : 5 years exclusive • Table top compact refrigerated centrifuge with CFC free refrigerant. • Should have max. capacity of around 24 x 1.5/2.0 ml, 8x15 ml and for 8x 50 ml • Should have max. Speed of 14,000 -17,000 or more with RCF of 25,000-30,000 g. • Should provide Temperature control from -10°C or lower to +40°C • Centrifuging chamber should be made of stainless steel. • Should have auto powered lid locking. • Should have digital display and operation. • The rotors should be changed easily. • Should be able to store at least 10 programs. • Should be equipped with a pre-cooling function (Fast Cool) and stand-by cooling. • Should have auto powered lid locking and holding function. • Should have Emergency lid lock release function. • Should provide Lid dropping protection. • Should have Automatic rotor recognition function. • Should have Imbalance switch-off function. • Should provide Motor and chamber overheating protection. • Should have a 24 place angle Rotor for 1.5/2.0 ml tubes with speed: 18,000 rpm. • Extraordinarily silent (<60 dB) • Rotors: Light weight, corrosion and fatigue resistant • Fixed Angle rotor 6 x 50 mL with aerosol tight lid for 50 	1	8,50,000.00	8,50,000.00	17000.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>mL falcon tubes with maximum of 12,100 rpm and 20,130 x g. Optional Adapter for 15 mL tubes (rotor must be 45° angle).</p> <ul style="list-style-type: none"> • Additional Fixed angle rotor required for eppendorf tubes 24 x 1.5/2.0 mL. Both rotor and rotor lid is made of anodized aluminium/ Fiber, Light weight, corrosion and fatigue resistant as well as autoclavable at 121 °C for 20 mins. • Should be certified with MED CERT (EN ISO 13485:2003) (ISO 9001) certified, which ensures the extreme care and responsibility for the manufacturing of centrifuges. • Should have international standards such as IEC 61010 Conformity. <p>5 KVA Voltage stabilizer:</p> <ul style="list-style-type: none"> • Input Voltage Range: 170 V– 270 V AC • Output Voltage: 230 V ± 1 % • Air Cooled system and digital/analogue display system • Efficiency: ≥ 96 % or IS 9815 Standards • Under /Over Voltage Cut off Protection • The instrument should be supplied complete in all respects like Cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate. • One revolving height adjustable stool chair (SS) • Warranty : 5 years exclusive 				
3.	Binocular Compound Microscope	<ul style="list-style-type: none"> • Stand: Single mold sturdy with anti rust material. Extended base for better stability • Viewing Bodies: Siedentopf Binocular / Trinocular tube, 30°C inclined, 360° rotatable, interpupillary distance 48-75mm. • Eyepieces: Wide field focusable paired eyepiece WF 10x/22mm paired with focusable eye guards, lockable, 	2	1,25,000.00	2,50,000.00	5000.00

Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>antifungal coating.</p> <ul style="list-style-type: none"> Nosepiece: Quintuple Reverse angle nosepiece (Ball bearing type) with click stops and rubber grip. Objectives: RP series DIN Infinity Corrected Plan Achromatic Objectives – 4x, 10x, 40x (spring loaded), 100x (spring loaded, oil), anti fungus coating. Mechanical Stage: Reckless X-axis Ceramic coated double plate mechanical stage, plate size 200 x 160mm, X/Y travel range - 76 x 40 mm. Condenser: Sub-stage Abbe condenser NA 1.25 with aspheric lens and Iris diaphragm. Rack and pinion movements on stainless steel guides. Day light blue filter. Focusing: Co-axial coarse and fine focusing on gear system for smooth operation. Illumination: LED illumination with variable illumination control Should have international quality standard with USFDA enlistment, CE, ISO certification Power supply: Input 220v – 240v AC The instrument should be supplied complete in all respects like appropriate universal power supply (CE power cord), cleaning kit, immersion oil, wooden storage box, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate. Warranty : 5 years exclusive 				
4.	Digital pH meter	<ol style="list-style-type: none"> Menu-specific function keys and the measurement of pH, mV and temperature should be possible. Range of pH measurement should be -2.00 to + 14.00. Accuracy for each pH measurement should be ± 0.005. For calibration, pre programmed buffer sets should be supplied, automatic buffer recognition and display should be possible, maximum 3 point calibration, manual 	2	85,000.00	1,70,000.00	3400.00

Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>calibration with selected buffers should be possible.</p> <p>a) Should have dead stop function.</p> <p>b) Range for mV should be -999.9 to +999.9.</p> <p>c) Accuracy for each mV measurement should be ± 0.3 mV.</p> <p>d) Temperature measurement range should be from -5 to 120°C.</p> <p>e) Accuracy for temperature $\pm 0.1^\circ\text{C}$.</p> <p>f) Selection for °C and automatic switch over to manual temperature input when no temperature input is connected.</p> <p>g) Two channel for pH, mV and temperature measurements.</p> <p>h) Data logging Memory: At least 1000 with time and date stamp, Log Function: Manual, power supply, pH temperature combination electrode, 3 point calibration solutions.</p> <p>5) Should have CE and ISO calibration The instrument should be supplied complete in all respects like electrode holder with stand, original protective cover, operating instructions, quick guide, and declaration of conformity and test certificate. Instrument should be supplied along with following other than supplied with instrument: - 1. Spare pH Electrode (Combined) having BNC connector (1 Nos.), AC Adapter: Included- Universal, 100-240 VAC Battery Power option- 4 AAs</p> <ul style="list-style-type: none"> • Warranty : 5 years exclusive • Temperature Range: The range of temperature should be set from Ambient $\pm 5^\circ\text{C}$ to 250°C (Min.) with accuracy of $\pm 1^\circ\text{C}$ (Max.) • Temperature Control: The temperature of oven should be controlled by Microprocessor based auto tune PID digital 				
5.	Hot Air Oven- MEMMERT TYPE		2	1,30,000.00	2,60,000.00	5200.00

Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>temperature controller with PT 100 as sensor.</p> <ul style="list-style-type: none"> ● Air Circulation: It should have the facility of air circulation by Forced air circulating system with fan for better uniformity of temperature inside the oven. Regulator to control blower speed from 0 to 100%. ● Castor wheel: The item should have Castor wheels for its easy movability. ● Power: It should be operable with 5/ 15 amp 230 Volt A. C. ● Construction: It should have triple walled construction inner chamber should be made of Stainless Steel (304 series SS) and exterior chamber of the oven should be made of GI sheets powder coated, The gap between the two walls filled with glass wool insulation of 4". Heating elements fitted on the three side of the oven. The item will be supplied with minimum 2 Nos. Stainless Steel (SS) rod shelves. These Shelves should be adjustable & replaceable. Food grade silicon rubber gasket which acts as a perfect sealant. The door of oven should be fully insulated with brass lock hinges & aluminium ventilator. Heating should be done by elements fitted on the three side of the oven or specially designed heaters made of Nichrome wire fitted at the bottom of the Oven. ● Working space – 18 x 18 x 24 inch ● Capacity – 125 liter ● Should provide Digital thermometer (0-250 degree C) and Ordinary mercury thermometer (0-250 degree C) ● Should have CE and ISO certification <p>Safety Feature:</p> <ul style="list-style-type: none"> ● Capillary type Thermostat provided to take care of temperature overshoots & in case the PID Controlling system fails. <p>The instrument should be supplied complete in all respects like operating instructions, quick guide, and declaration of</p>				


 Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)						
6.	Autoclave with Volume: 100 Ltrs	<p>conformity and test certificate.</p> <ul style="list-style-type: none"> Warranty : 5 years exclusive Fully Automatic with vertical double wall and Radial Locking Complete Stainless Steel 16 SWG sheet -304 grades and Outer shell of Stainless Steel sheet - 304 grade, mirror polish and Castor wheels with lock system for easy movability and stand. Digital Temperature and Timer PID Controller <table border="1" style="margin-left: 20px;"> <tr> <td>Temperature Range</td> <td>Ambient to 125°C</td> </tr> <tr> <td>Temperature Resolution</td> <td>0.1 °C</td> </tr> <tr> <td>Pressure range</td> <td>15 Psi to 20 Psi ± 1 psi (Factory Set at 15 Psi)</td> </tr> </table> Low Water Cut off Device Auto purging system and Automatic Steam Release ISI marked immersion type heating element Stainless Steel basket with stand Autoclave is fitted with steam release valve, spring loaded safety valve; which can be set at any selected point from 10 psi to 20 psi ± 3 psi, dead weight type safety valve Should have temperature (specified safe level) activated door Lock Should have cycle information recovery in the case of power failure or cycle interruption Should indicates the door is unlocked/ Locked Perforated basket made of Stainless Steel sheet- 304 grade or more Inner chamber size - 18" x 24" (Dia x height) and capacity – 95 liter. Operates on 230 Volts AC Single phase 50 Hz. 	Temperature Range	Ambient to 125°C	Temperature Resolution	0.1 °C	Pressure range	15 Psi to 20 Psi ± 1 psi (Factory Set at 15 Psi)	1	5,50,000.00	5,50,000.00	11000.00
Temperature Range	Ambient to 125°C											
Temperature Resolution	0.1 °C											
Pressure range	15 Psi to 20 Psi ± 1 psi (Factory Set at 15 Psi)											

Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
7.	BOD Incubator	<ul style="list-style-type: none"> • Should have IEC 61010-2-040, EN 61326, ISO 17665-1:2006, ISO 9001:2000, ISO 13485:2003 certification • Should provide Digital thermometer (0-100 degree C) and wall mount Ordinary mercury thermometer (0-100 degree C) • The instrument should be supplied complete in all respects like operating instructions, quick guide, and declaration of conformity and test certificate. • Warranty : 5 years exclusive • Build: 304 grade Interior & Exterior CRCA Steel with Powder Coat finish. Castor wheels with lock system for easy movability and stand. • Temperature range: 5°C to 50°C • Accuracy: ± 0.5°C with PT – 100 type sensor • Insulation with glass door (Double door) • Should have digital indicator with easy set up mode. • Trays: SS made • Castor wheels for easy movability • Compatible with 230V, 50Hz single phase • Cooling is done by CFC Free Hermetically sealed Emerson Copland make compressors utilizing R-134 A an eco-friendly refrigerant. <ul style="list-style-type: none"> • Working space – 60 x 60 x 90 CM • Capacity – 12 CFT or 325 liter • Operates on 230 Volts AC Single phase 50 Hz. <p>Safety Feature: -</p> <ul style="list-style-type: none"> A. Redundant high temperature safety system automatically cuts-off power to heaters if temperature exceeds 70o C. B. Inbuilt Overload protection relay for compressor. C. Compressor ON delay timer, to safe guard the compressor. 	2	2,00,000.00	4,00,000.00	8000.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>3 KVA Voltage stabilizer:</p> <ul style="list-style-type: none"> • Input Voltage Range: 170 V– 270 V AC • Output Voltage: 230 V ± 1 % • Air Cooled system and digital/analogue display system • Efficiency: ≥ 96 % or IS 9815 Standards • Under / Over Voltage Cut off Protection • Should have CE and ISO certification • The instrument should be supplied complete in all respects like operating instructions, quick guide, and declaration of conformity and test certificate. • Warranty : 5 years exclusive 				
8.	Laminar Air Flow (Vertical air flow)	<ul style="list-style-type: none"> • Supporting structure made in AISI 304 stainless steel with Scotch Brite finish including castor wheel and brake for easy mobility and stand) • Inner dimension (minimum): 1200 X 610 X 610 mm (L x D x H) • MATERIAL OF CONSTRUCTION: <ul style="list-style-type: none"> • Working area is made of stainless steel AISI 316 grade with Mirror Bright finish • Pre-Filter – 10 microns • HEPA Filter 0.3 microns (1200 x 610 x 610) • Fluorescent lamp • UV – Light • Front door • Virus tight extract HEPA filter • Gas cock and extra power outlet switch • Microprocessor LCD Controller • Digital display for air flow rate • Toughened glass Front Door • PRESSURE GAUGE: Housing: Die casting aluminium case and bezel, with acrylic cover; Accuracy: ±1% of full 	1	2,00,000.00	2,00,000.00	4000.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>scale; Pressure limits: 15 psi; Cleanliness level: class 100</p> <ul style="list-style-type: none"> • Illumination: minimum 40 watts fluorescent tubes • Noise level: 60±5 db or less; Power supply: 230 VAC, 50 Hz; Gas cock provision and Castor wheels with lock system for easy movability and stand. • One no. power plug switch at front to work for small instrument inside chamber. • Motor mounting – Unique spring suspension system which helps to reduce vibration and noise production during the process. <p>3 KVA Voltage stabilizer:</p> <ul style="list-style-type: none"> • Input Voltage Range: 170 V– 270 V AC • Output Voltage: 230 V ± 1 % • Air Cooled system and digital/analogue display system • Efficiency: ≥ 96 % or IS 9815 Standards • Under /Over Voltage Cut off Protection <ul style="list-style-type: none"> • The instrument should be supplied complete in all respects like operating instructions, quick guide, and declaration of conformity and test certificate. • Should have CE and ISO certification • Should provide one revolving height adjustable stool chair (SS) • Warranty : 5 years exclusive 				
9.	Bacteriological incubator MEMMERT TYPE	<ul style="list-style-type: none"> • Triple walled in construction with inner made of Stainless Steel – 304 Grade & Exterior of CRCA steel with powder coat finish. • Food grade Silicon Rubber gasket which acts as a perfect sealant. • High density glass wool insulation between the walls to prevent heat dissipation. • A fully insulated door with sturdy SS hinges with SS latch handle lock. 	1	1,00,000.00	2,00,000.00	4000.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> ● A transparent full length acrylic inner door is provided to have a clear inner view of the samples put in, without disturbing the thermal conditions inside the incubator. ● Temperature controlled by Dual Display Microprocessor based PID ● Temperature Controller & PT-100 sensors. ● Heating elements are made of high grade Nichrome wire and provided on the side walls of the chamber. ● Air circulation by motorized blower placed on top of the oven. ● Regulator to control blower speed from 0 to 100%. ● Exhaust/ventilation provided on either side. ● Left & right sides of the inner chamber are duly perforated for proper. ● Air circulation & to maintain uniform temperature within the chamber. ● Available with removable SS Rod shelves – 3 nos. ● Castor wheels with lock system for easy movability and stand ● Temperature Range: 5°C above ambient to 60°C. ● Temperature Accuracy: ± 1°C or better. ● Working space – 18 x 18 x 18 inch and Capacity – 90 litre ● Operates on 230 Volts AC Single phase 50 Hz. ● Safety Feature: Capillary type thermostat provided to take care of temperature overshoots & in case the PID Controlling system fails. ● Should provide Digital thermometer (-20 to 50 degree C) and wall mount Ordinary mercury thermometer (-20 to 50 degree C) ● The instrument should be supplied complete in all respects like operating instructions, quick guide, and declaration of conformity and test certificate. ● Should have CE and ISO certification 				

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
10.	Horizontal Electrophoresis System (Mini and Medium) with Basic Power Supply	<p>• Warranty : 5 years exclusive</p> <p>A. Horizontal electrophoresis system to cast and run Features:</p> <p>a) Mini Horizontal Electrophoresis</p> <p>a) Should have a single moulded tank with safety lid and UV Transparent tray</p> <p>b) Should have UV transparent tray of minimum 7 x 10 cm with at least two slots for combs</p> <p>c) Should have a sample throughput of up to 30 samples, at least two combs should be provided preferably one each of 8 and 15 wells</p> <p>d) Should have replaceable platinum electrodes</p> <p>e) Should be compatible for fast resolution of DNA (Bromophenol blue migration rate >4.5cm/hr at 75V)</p> <p>f) The electrophoresis system must be from the same manufacturer as the power pack for complete compatibility</p> <p>g) No. of comb- 5 each size</p> <p>b) Midi Horizontal Electrophoresis</p> <p>a) Should have a single moulded tank with safety lid and UV Transparent tray</p> <p>b) Should have UV transparent tray of minimum 15 x 10 cm & 15 X 15 cm with at least two slots for combs</p> <p>c) Should have a sample throughput of up to 60 samples, at least two combs should be provided preferably one each of 15 and 20 wells</p> <p>d) Should have replaceable platinum electrodes</p> <p>e) Should conform to CE standards. A copy of CE Certificate should be attached</p> <p>f) Should have adjustable external gel caster</p> <p>g) Should be compatible for fast resolution of DNA (Bromophenol blue migration rate >4.5cm/hr at 75V)</p> <p>h) The electrophoresis system must be from the same manufacturer as the power pack for complete</p>	1	5,00,000.00	5,00,000.00	10000.00

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S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>compatibility</p> <ol style="list-style-type: none"> 1) Number of gels: 1-2 2) Cell (tank and lid with power cables, electrode assembly): 1 3) Gel casting apparatus should be separate from gel running apparatus 4) Casting stands: Polycarbonate 5) Pin, retaining ring, and spring: Stainless steel 6) Casting frames: Polysulfone, 2 Nos. 7) Gaskets: Thermoplastic rubber, 2 Nos. 8) Electrode Assembly: Glass-filled polybutylene terephthalate 9) Electrodes: Platinum wire, 0.010 inches diameter 10) Gasket, electrode inner core: Silicone rubber <p>High-quality Basic Power Supply: Features:</p> <ul style="list-style-type: none"> • Should offer simple programming, timer control, constant voltage or current output, and the ability to pause and resume a run. • Intended for basic applications such as submerged horizontal and mini vertical gel electrophoresis and should also provide sufficient output to support the Blot Cell. • To prevent damage to electrophoresis cells, the Power Supply should have automatic crossover. When the set limit of the non-constant parameter (either voltage or current, depending on settings) is reached, and the power capability of the unit is not exceeded, the power supply will make the non-constant parameter the new constant parameter. • Pause mode for editing run parameters, or stopping and resuming the run • Power failure detection in timed mode; when power returns run will complete • Automatic detection of rapid changes in resistance, and no 				

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S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>load conditions</p> <ul style="list-style-type: none"> • Compact and stackable • Flip-down legs to change viewing angle • Output specifications: 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) • Type of output: Constant voltage or constant current with automatic crossover • Output terminals: 4 pair recessed banana jacks in parallel • Timer control: 1 min–99 hr 59 min, fully adjustable • Pause/resume function: Yes • Operating conditions: 0–40°C; 0–95% humidity in absence of condensation • Safety features: No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection • Input protection: Fuse on hot and neutral • Should have ISO 9001, EN61010 and ICE • The instrument should be supplied complete in all respects like appropriate universal power supply (CE power cord), original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate. • Electrophoresis Cell and Basic Power Supply should be compatible with each other: Mismatch between two companies is not acceptable. • Warranty : 5 years exclusive 				
11.	2D Gradient Thermal Cycler/ PCR	<ul style="list-style-type: none"> • Touch screen interfaced silver block system for 96 x 0.1/0.2 mL PCR Tube or One 96-well PCR plate • Should be capable of testing temperatures at Denaturation, Annealing & Extension steps • Should have a Gradient block to be able to test 8/12 different temperatures in gradient function • Should have a gradient range from 30 – 99°C with 0.1°C 	1	7,00,000.00	7,00,000.00	14000.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>minimum gradient spread</p> <ul style="list-style-type: none"> • Should have differential temperature ranges of 1-30°C or more • Should have a Block temperature control range: 4°C to 99°C and Heating of the block through should be through Peltier elements • Adjustable user defined ramp rate to meet sensitive experimental conditions. • Lid Temperature range: 37 - 110 °C • Should have Block Temperature Accuracy: $\pm 0.2^\circ\text{C}$ • Should have Block Homogeneity: $\leq \pm 0.3^\circ\text{C}$ (20°C to 72°C); $\leq \pm 0.4^\circ\text{C}$ (90°C) • Should have a Heating ramp rate of minimum 6-10 °C/s. • Should have a Cooling ramp rate of minimum 4-5 °C/s. • Should have ramp rate individually for heating & cooling from 0.1° C to meet critical amplification conditions • Should have the feature of “instant incubation” to keep samples at constant temp • Should have Intuitive Graphic programming with larger display • Administrator and user login with or without PIN for enhanced security • Should have pre-programmed template for easy selection from 16 temperature protocols • Should have Time or Temperature increment with cycles in PCR program • Should have universal power failure protection or auto Restart facility with user defined time interval when power fails and resumes • Instrument status indicates the step, cycle and remaining runtime during the run • System memory of more than 100 User folders and more than 300 programs with further expansion through a USB Flash drive for transfer of files 				

Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> • One USB ports: for Protocol transfer, USB Flash drive • Interface: CAN in, CAN out or RS232 interface ports • Option to connect up to 50 PCR variants using computer controlled network • The instrument should be supplied complete in all respects like appropriate universal power supply (CE power cord), cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate • 3 KVA online UPS with Battery Backup for minimum 1 hour power supply • Instrument should RoHS compliance system along with IEC & ISO • Accessories must required <ul style="list-style-type: none"> • Pipette (Company- Eppendorf) • The state of the art pipette for research work. Fully Autoclavable pipette with separate tip ejector and a new type of volume adjustment. For convenient, rapid volume selection, even single - handed or with gloves. Pipette should be certified and certificates to be provided for CE, ISO-13485. • Pipette Piston system should Ultra-light system made of FORTRAN Only. <ul style="list-style-type: none"> • Pipette volume range- <ul style="list-style-type: none"> • 0.1ul -2.5ul, QTY - (02 No.) • 0.5 – 10ul, QTY- (02, No.) • 2ul – 20ul, QTY- (02 No.) • All Pipette should come with 5 Year warranty and Manufacturer should have Own NABL calibration facility to maintain the service and calibration of pipette during warranty and after warranty period • Warranty: 5 years exclusive 				

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
12.	GEL DOC	<ul style="list-style-type: none"> • Sensitive, multimode image capture and analysis via an intuitive touch screen interface and advanced software for analyzing western blots, Stained Nucleic acid Gels, Stained protein gels. • Versatile system to support wide range of applications like- Fluorescent dye like sybrgreen, SYBR safe, Western blotting, 2-D,1-D, Dot Blotting, Nucleic acid detection, Quantitation etc. • The complete capability to replace a Dark Room. • The Exposure time should be from 10 milliseconds to 99 minutes. • Should have high resolution camera with 4 mega pixel or more/greater resolution, 16-bit CCD Camera with 5 megapixels resolution extendable to 20 megapixels, motorized fixed lens 50mm, f/0.95 • Illumination source should be 306 nm Trans UV and LED epiwhite. • Should have in-built LCD screen $\geq 10''$ touch screen display • The Software should be able to calculate sample purity automatically based on band and lane intensity and should be able to calculate the relative and absolute quantity of the unknown proteins samples. • UV safety shutoff with widely accessible door to handling gels while placing or moving gels on Transluminator table. • Transluminator size 21 x 26 cm or more and should have super bright technology so as to have publication quality gel image with no UV tube background noise. • Should be an open platform to accept standard image file types (i.e., TIFF, JPEG, PNG, GIF, BMP files). • The Software should have Vision-Capt software, able to edit the Images image enhancement, image analysis includes molecular weight calculation, band quantification, distance calculation. • The Software should perform Lane Profile Densitometry 	1	8,00,000.00	8,00,000.00	16000.00

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S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>(Lane and Band Identification) and it should also analyze Molecular Weight; determine the Rf and Molecular Weight of protein or Nucleic Acid Bands using Installed or Custom MW Markers</p> <ul style="list-style-type: none"> • At least 1 USB & 1 Network Port should be included in the System and the system should get directly connected to the printer. • System should be upgradable and there should be flexibility to add filters. • System should have 4-position filter wheel with F-590 emission filter for ethidium bromide. • Electrical specification: 220 volts, 50Hz. single phase A.C. • Instrument should RoHS compliance system along with IEC & ISO • Should have DIN EN ISO and IEC 17025 certification <p>3 KVA Voltage stabilizer:</p> <ul style="list-style-type: none"> • Input Voltage Range: 170 V– 270 V AC • Output Voltage: 230 V ± 1 % • Air Cooled system and digital/analogue display system • Efficiency: ≥ 96 % or IS 9815 Standards • Under / Over Voltage Cut off Protection • Accessories must required • One PC with in-built Wi-Fi device (Dell/HP; Monitor: 27” with 1440 resolution, wireless Keyboard & mouse) with i7 processor 10th generation, 8GB RAM and 250 GB SSD Hardisk and Laser Printer (Hp), Pen Drive – 32 GB; Cleaning kit and Original Equipment Cover • Pipette (Company- Eppendorf) • The state of the art pipette for research work. Fully Autoclavable pipette with separate tip ejector and a new type of volume adjustment (Volume display should be 4 digits). For convenient, rapid volume selection, even single - handed or with gloves. Pipette should be certified 				

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>and certificates to be provided for CE, ISO-13485.</p> <ul style="list-style-type: none"> • Pipette Piston system should Ultra-light system made of FORTRAN Only. • Pipette volume range- • 10- 100ul QTY- (02 No.), • 20ul – 200ul, QTY- (02 No.), • 100ul – 1000ul, QTY- (02 No.) • All Pipette should come with 5 Year warranty and Manufacturer should have Own NABL calibration facility to maintain the service and calibration of pipette during warranty and after warranty period • The instrument should be supplied complete in all respects like appropriate universal power supply (CE power cord), cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty: 5 years exclusive 				
13.	Weighing Balance 220G	<ul style="list-style-type: none"> • Technology, ergonomic style and above all the entirely new/ user-friendly operating design • It helps make workflows much more efficient. • Ensures easy, intuitive operation. • Standard Equipment : <ul style="list-style-type: none"> ➢ Leveling Glass level indicator with air bubble for centering ➢ Calibration Internal calibration, isoCAL calibration. ➢ Selectable weight units : Gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, Taiwan tael, grain, pennyweights, milligram, parts per pound, China tael, mommes, Austrian carat, tola, baht, meshgal and Newton • Should have ISO 17025 calibration certification • Interface mini USB • Direct data transfer to Microsoft® Windows programs 	1	1,60,000.00	1,60,000.00	3200.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> • Programmable interval for data output • Data transfer protocols SBI, xBPI, table format, text format • Display Touch screen with graphical user interface. • Standard built-in applications : • Weighing, Density, Percentage, Check weighing, • Languages : English, German, French, Spanish, Italian, Russian, Chinese, Polish, Japanese, Portuguese • Protection – Chemical resistant finish of the top housing • Glass parts of the draft shield are coated to reduce electrostatic influences • Should provide SS spatulas sizes 6” and 8” (10 each) • Should provide Weighing boats (Small and medium) (2 packs each) <ol style="list-style-type: none"> 1. In-use cover: Dust cover for balances with draft shield 2. In-use cover: Under-floor weighing Integrated 3. Weighing Capacity : 220 g 4. Readability : 0.1 mg 5. Pan Size : ø 90 mm 6. Repeatability : 0.1 mg 7. Linearity : 0.2 mg <ul style="list-style-type: none"> • The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate. <p>Warranty : 5 years exclusive</p>				
14.	Weighing Balance (510g)	<p>Technology, ergonomic style, and above all the entirely new/ user-friendly operating design</p> <p>It helps make workflows much more efficient.</p> <p>Ensures easy, intuitive operation.</p> <p>Standard Equipment :</p>	1	1,20,000.00	1,20,000.00	2400.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> ➤ Leveling Glass level indicator with air bubble for centering ➤ Calibration Internal calibration, isoCAL calibration. ➤ Selectable weight units :Gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, Taiwan tael, grain, pennyweights, milligram, parts per pound, China tael, mommes, Austrian carat, tola, baht, mesghal and Newton ➤ Interface mini USB • Should have ISO 17025 calibration certification • Direct data transfer to Microsoft® Windows programs • Programmable interval for data output • Data transfer protocols SBI, xBPI, table format, text format • Display Touch screen with graphical user interface. • Standard built-in applications : <ul style="list-style-type: none"> ▪ Weighing, Density, Percentage, Check weighing, ▪ Peak Hold, Counting, Unstable Conditions • Languages : English, German, French, Spanish, Italian, Russian, Chinese, Polish, Japanese, Portuguese • Should provide SS spatulas sizes 6” and 8” (10 each) • Should provide Weighing boats (Small and medium) (2 packs each) • Protection – Chemical resistant finish of the top housing • Glass parts of the draft shield are coated to reduce electrostatic influences <ul style="list-style-type: none"> ✓ In-use cover: Dust cover for balances with draft shield ✓ In-use cover: Under-floor weighing Integrated ✓ Weighing Capacity : 510 g ✓ Readability : 1 mg 				

Signature of Bidder

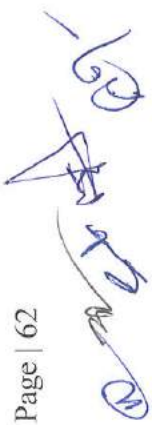
S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
15.	Laboratory water bath	<p> <ul style="list-style-type: none"> ✓ Pan Size : ø 120 mm ✓ Repeatability : 1 mg ✓ Linearity : 2 mg <ul style="list-style-type: none"> • The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate. <p>Warranty : 5 years exclusive</p> <ul style="list-style-type: none"> • Double walled construction material • Material of Construction: Inner chamber and lid - Stainless Steel (SS-304 grade), Outer chamber - Mild Steel duly powder coated, Special grade mineral wool • 15 L volume capacity • It should have internal dimensions (w x d x h) 300 x 325 x 200 mm³ and overall dimensions (w x d x h) 335 x 408 x 280 mm³ • 12 hole of 7.5 mm dia provided with concentric rings for 50 ml to 500 ml flask. • Temperature range should be 5°C to 100°C with temperature sensitivity of ±0.5°C or better • Temperature Sensor made of PT-100 • Temperature Accuracy of ±1°C • Heating should be provided by immersion heaters (Kanthal brand) • Control panel consisting of On/Off switch, heating & mains indicators and thermostatic temperature controller, automatic cut-off device • Power requirement: 220 V /50 Hz <p>Other Accessories:</p> <ul style="list-style-type: none"> • Test-tube Holder and Tongs for 250 ml Flasks (10 No.), • Should have CE and ISO certification </p>	2	90,000.00	1,80,000.00	3600.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, operating instructions, quick guide, and declaration of conformity and test certificate <p>Warranty : 5 years exclusive</p>				
16.	Gerber centrifuge	<p>Features:</p> <ul style="list-style-type: none"> Instrument is intended for qualitative analysis of fat determination of milk and milk products as per Gerber and Babcock method Time: 0 to 60 minutes and Speed: min. 5000 rpm Voltage: 220 V/ 50 Hz Automatic brake Heating variable temperature setting (600 W) up to 65°C Microprocessor control with digital reading Cover lid with lock system Dimensions: 400mm*500mm*300 mm (it may vary) Inclusive of universal rotor to accommodate 12 butyrometers (All types of butyrometers including Milk, cheese and butter) Operating manual/ user guide and spare rotor Unbalance shut-off through uneven filling or sudden glass break Should provide SS key for butyrometers locking. Should have CE and BIS/ISI standard The instrument should be supplied complete in all respects like appropriate universal power supply, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate Warranty : 5 years exclusive <p>Features and technical specifications:</p>	1	1,00,000.00	1,00,000.00	2000.00
17.	Muffle furnace	<p>Features and technical specifications:</p>	1	75,000.00	75,000.00	1500.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> • Temperature range: 350°C to 1100°C • Heating Element: Kanthal A-1/ Silicon Carbide (SiC) • Temperature Accuracy: ±1°C (±1.8°F) • Temperature Controller: Dual display microprocessor based PID controller • Display: LED / LCD Display • External Chamber Construction: MS w/ Powder Coating / 304 Grade Stainless Steel (Optional) • Internal Chamber Construction: Ceramic Board & Grooved Refractory Chamber as per Temp. requirement • Insulation: Ceramic wool insulation • Alarm: Audible & Visual type • Power Supply: 220 / 440 Volts • Certification: ISO and CE <p>Other Accessories:</p> <ul style="list-style-type: none"> • Data logger, safety switch on door, temperature chart recorder, extra port for gas, extra heating element & rod with clips, Crucible tongs (5 No.), gloves (set of 5 No.) • Chamber size: 5*5*12" (l*b*h) inches with 5 L volume capacity • Safety feature: Thermal safety fuse provided to avoid overheating. <p>5 KVA Voltage stabilizer:</p> <ul style="list-style-type: none"> • Input Voltage Range: 170 V – 270 V AC • Output Voltage: 230 V ± 1 % • Air Cooled system and digital/analogue display system • Efficiency: ≥ 96 % or IS 9815 Standards • Under /Over Voltage Cut off Protection <ul style="list-style-type: none"> • The instrument should be supplied complete in all respects like appropriate universal power supply, operating instructions, quick guide, and declaration of conformity and 				

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
18.	Refrigerator	<p>test certificate</p> <p>Warranty : 5 years exclusive</p> <ul style="list-style-type: none"> • Energy Efficiency: 3 Star Rating • Capacity: 350 litres • Annual Energy Consumption: 243 KWH • Refrigerator Fresh Food Capacity: 170 litres • Freezer Capacity: 64 Litres • Bottle Count: 5 • Installation Type: Freestanding • Form Factor: Standard, double door • Special Features: Stabilizer free operation and toughened glass shelves, Jumbo vegetable tray, Anti-bacterial removal basket and Widest shelves • Voltage: 230 Volts/ 50 Hz • Shelf Type: Toughened Glass • Number of Shelves: 3 • Certification: Energy Star • Special features: stabilizer free operation, ice twister and collector, fresh flow flexi vents, everyday fresh-easy slide tray, antibacterial filter, micro block technology, 6th sense deepfreeze technology and chilling gel • The instrument should be supplied complete in all respects like appropriate universal power supply, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive and 10 years on compressor 	4	60,000.00	2,40,000.00	4800.00
19.	Deep freezer	<ul style="list-style-type: none"> • Deep freezer intended for storage of analytical samples as well as frozen dairy and food products 	2	1,50,000.00	3,00,000.00	6000.00



CDFT – Purchase of Laboratory Equipment 2021-22

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> • Build a new trust with the EFS series. It is designed for easy access and reliable storage at low temperature. • It should have combination of upto 7 sealed pullout drawers/shelves of different sizes for flexible storage. Temperature: -20°C • Microprocessor controlled system and CFC- free refrigerant • Capacity 350-400 L • Dimension (W x D x H Inch): 24 x 25 x 73 • LED temperature Display • Sealed 7compartment shelves/drawers with door lock system. • Noise level less than 45 dB. • Alarms for systems malfunction over and under temperature & sensor error • Equipment should CE/ISOcertified. • AMC charges to be indicated • Versatile wheels for easy movement • High density PUF insulation • The instrument should be supplied complete in all respects like appropriate universal power supply, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive and 10 years on compressor 				
20.	Electronic balances (1-100 kg)	<ul style="list-style-type: none"> • Electronic balance intended for weighing of heavy weight products including milk, milk product and food products during processing and product preparation • Material: SS 304 Steel Platform • Platform Size: 16"x16" • Battery Voltage: 6 V 	1	1	25,000.00	500.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
21.	Electronic balances (10) kg	<ul style="list-style-type: none"> • Power Supply: Mains/Battery • Type: Industrial Platform • Accuracy: 10 g • Weighing Capacity: 100 kg • Display Type: Digital • Voltage: 220 V • Frequency: 50 Hz • Operating temperature: -10°C ~ +40°C • Should have CE and ISO 17025 Calibration certification • The instrument should be supplied complete in all respects like appropriate universal power supply, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive 	1	8,000.00	8,000.00	160.00
		<ul style="list-style-type: none"> • Electronic balance intended for weighing of medium size weighing applications including milk, milk product and food products during processing and product preparation • Battery Voltage: 6 V • Material: Stainless Steel (304 grade Platform) • Power Supply: Mains/Battery • Type: Industrial weighing Machine • Accuracy: 1g and Weighing Capacity: 10 kg • Display Type: Digital • Dimensions: Length (32 cm) * Height (14 cm) * Width (24 cm) • Operating temperature: -10°C to +40°C • Should have CE and ISO, ISO 17025 Calibration certification • The instrument should be supplied complete in all respects 				



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
22.	Digital Milk Analyser	<p>like appropriate universal power supply, operating instructions, quick guide, and declaration of conformity and test certificate</p> <ul style="list-style-type: none"> • Warranty : 5 years exclusive • Milk analyser intended for instrumental based analysis of Milk/ cream/ skim Milk/ Whey composition and related parameters. • Body should be made of Polycarbonate/ ABS/Cast Iron /SS with or without powder color coating • Environmental Conditions: <ul style="list-style-type: none"> • Ambient air temperature: 10°C -40°C (option 43°C) • Milk temperature: 1°C- 40°C • Relative humidity: 30%- 80% • Power Supply: Voltage 220V/110 VDC • Mechanical Parameters: Dimensions (W x D x H) approx. 500x500x500 mm <p>Item Measuring Range: Absolute Error</p> <ul style="list-style-type: none"> • FAT 0.01% to 60% ± 0.1% • SNF 3% to 15% ± 0.15% • Density 1015 to 1040 kg/m³ ± 0.3 kg/m³ Temperature 1°C to 40°C ±1°C • Proteins 2% to 7% ± 0.15% • Lactose 0.01 % to 7 % ± 0.2% • Added Water 0 % to 70 % ± 3% • Salts 0.4 to 1.5% ± 0.05% • pH 0-14 • Capacity: 120-150 samples per hour • Validation required • Milko analyser Chemicals i.e., Diluents powder Antifoam, 	1	1,30,000.00	1,30,000.00	2600.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>Triton X-100 and the spare parts for its operation & preventive maintenance along with the machine.</p> <ul style="list-style-type: none"> • Should have CE and ISO certification • The instrument should be supplied complete in all respects like appropriate universal power supply, Original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive 				
23.	Water Double distillation assembly	<ul style="list-style-type: none"> • Condenser and Quartz heater, Horizontal/Vertical type. • Demountable boiler panel series • Double distillation with automatic water feeding unit and auto cutoff device and supplied with RO water Purification feeding unit and pre-filters (spare also) • Distilled water output Up to 5 L/ Hr and pH=6.9-7 • Biological activity – Pyrogen free • Conductivity S/Cm = $< 1 \times 10^{-6}$ • With complete silicone tubing and accessories. • Distillate water quality specifications • Total Organic Carbon: $< 500 \mu\text{g/l}$ and Total Solids: $< 0.1 \text{mg/lit}$ <p>Other accessories</p> <ul style="list-style-type: none"> • Low temperature circulating water bath (Chiller) • User Manual should be provided along with the equipment • Warranty: One year at the minimum from the date of successful installation. • Compliancy certificate is to be provided indicating conformity to the technical specifications. • Guarantee certificate shall be furnished along with the supply. 	2	1,50,000.00	3,00,000.00	6000.00

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Signature of Bidder

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
24.	Soxhlet apparatus	<ul style="list-style-type: none"> • Should have NABL, CE and ISO certification • The instrument should be supplied complete in all respects like appropriate universal power supply cleaning kit, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive • Complete Soxhlet extraction apparatus consists of solvent reservoir extraction assembly with 6 extraction heaters of various diameters to suit 250 ml to 1000 ml flasks. • Gap between casing & heater is filled with high grade glass wool insulation. • Extraction heaters made of Fibre glass hand knitted netting having Nichrome heating elements. • Heating Elements having individual Regulators & Pilot Lamps to indicate working of the heaters. • Control box is away but connected with the heating console. • Complete with Two retort rods, Cross bar • Max. Temperature: 425°C • No. of recess, regulator and switch is 4 nos. • Dimensions: W*D*H (mm) 900*225*650 • Power supply :230 V, 50 Hz • Holder for Soxhlet glass parts: Cooling water feed pipe, 6- place, for extraction heating • Support rods, 600-700 mm (6*2 =12Nos.) • Dimroth condenser (6*2=12 Nos.) • Flat bottom flask, 500 ml (6 *2=12Nos.) • Extraction thimble: 36x33x100 mm (6*2=12) Nos.) • Should have NABL, CE and ISO certification • The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, 	1	30,000.00	30,000.00	600.00



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
25.	Digital Colony Counter	<p>operating instructions, quick guide, and declaration of conformity and test certificate</p> <ul style="list-style-type: none"> • Warranty : 5 years exclusive • Should be used for 50- to 90-mm petri dishes • Pressure-sensitive counting and compatible with felt tip markers • Either read individual plates or calculate an average over multiple plates • LED light source, bright-white light and Energy-saving, • Should have antimicrobial coating • Audible count confirmation, adjustable pressure • Count results and statistics • Auto Mark Pen and USB cable. • Additional 1.7x and 3x magnification adapters • Power (VAC) 170 to 230 • Instrument should be supplied along with protection cover, operating instructions, and quick guide • Should have CE and ISO certification • The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive 	1	90,000.00	90,000.00	1800.00
26.	Multi-position Hot plate Magnetic Stirrer	<ul style="list-style-type: none"> • Multi Position (6 beaker 400 ml) hot plate Magnetic Stirrer (SS 304 grade) • Should have synchronous stirring and heating of 6 positions • Should have homogeneous temperature from 0°C to 120°C for all positions • Stirring position distance 100 mm 	1	1,80,000.00	1,80,000.00	3600.00

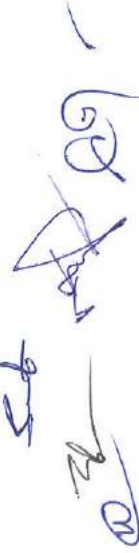


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S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
27.	Laboratory Heating Mantle One 500mL One 1000 mL	<ul style="list-style-type: none"> Fitted speed regulator form 5- 1200 RPM \pm 5 with 6 brushless motor Timer range 1 minute to 90 minutes Safe hot plate warnings when the plate temperature is above 50°C Should have lock feature which prevents unintentional changes Instrument should have supply with magnetic stirring bars (15x8mm) Digital display and PID controller Should have CE and ISO certification The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate Two Room heater with blower (2000W) Warranty : 5 years exclusive for Instrument and (Heating mental + Blower) Heating Mantle Material: : Glass Fibre Yarn Temperature Range: : Approx. 400°C Should provides uniform heating to flasks Inbuilt protection from liquid spill Rotary switch with an integrated PID controller The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate Should have CE and ISO certification Should provide spare heating mantle for each size Laboratory Heating Mantle Warranty : 5 years exclusive 	2	10,000.00	20,000.00	400.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
28.	Vortex Mixer	<ul style="list-style-type: none"> Should have Automatic (Constant) and manual working mode (Touch on mode) Should have adjustable speed upto 3000 RPM High quality and safety design Microprocessor Controlled BLDC motor, Orbital motion 4mm <p>Accessories:</p> <ul style="list-style-type: none"> Optional head 3” for test tubes Optional head for 1.5/2.0 mL eppendorf tubes <p>Should have CE and ISO certification</p> <ul style="list-style-type: none"> The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate <p>Warranty : 5 years exclusive</p>	2	15,000.00	30,000.00	600.00
29.	Kjeldahl Digestion Distillation and Fume extraction system	<p><u>Distillation system for Nitrogen estimation</u></p> <ul style="list-style-type: none"> Microprocessor controlled automatic distillation, steam addition, alkali addition, boric acid addition & auto tube drainage. Pre defined editable user storage program The unit can work with direct tap water with water softener. Body constructed of glass reinforced polymer for enhance durability. Programmable Reaction Time with Continuous real time monitoring of steam temperature, display at the time of water filling and other parameters 7"-10" touch screen display & Tube capacity of 250ml & 400ml Reagent level sensors Removable bottom tray extra protection against acidic attack 	1	7,50,000.00	7,50,000.00	15000.00

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> • Threaded tube connectors for quick removal of glass components for maintenance • Auto process stop in case of accidental access door opening wherein process resumes from where it stopped post door closing • Auto tubes insert error indication. • Easy water and steam drainage from the boiler for effective steam generation. • Single press precise addition of alkali anytime during the distillation cycle • Automatic Steam dosing in test tube with user selectable from 10% to 100% • Combined bulb and coiled condenser with condensing surface area 550 Sq cm or higher, SS 304 steam generator • Heat delay of less than 240 sec. • Distillation collection time (mins) of 5-7 mins for recovery of more than 99.5% • Cooling water flow rate with minimal of 0.5L/min • Should have one point calibration of Water and NaOH pumps and 2 point calibration for acid pump with accuracy of 0.05ml. • Auto documentation of no. of cycles and hours of usage with auto service and maintenance alerts. • Password protection for factory reset and SELV Protection • Should have inbuilt Nitrogen calculator with Nitrogen and protein in different formats • Interface provided for connectivity to printer or PC • Full Process visibility, visual control, and close monitoring of the distillation process through glass splash protector. • Nitrogen recovery >99.5%, Nitrogen reproducibility ±1 %, RSD of <1%, Nitrogen levels of 1-200mg with LOD of 				



S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<p>≥0.1mg of Nitrogen</p> <ul style="list-style-type: none"> • Relevant SOPs to be provided with compulsory application lab support. • Live/ online demo after successful technical qualification <p><u>Digestion system for Nitrogen estimation</u></p> <ul style="list-style-type: none"> • 250ml 6/8/12/20 position capacity block digestion system of 220/230 V • Maximum temperature 470°C with precision of ± 1 °C. • Front Glass Reinforced Polymer control panel • Graphical real time representation with LCD display. • Should have PID based control system. • Should have integrated control panel and heater block for less bench space • Should have single point and two point calibration of temperature • Pre defined memories of which more than 20 are user-programmable • Ramping of at least 4 ramps per program • Built-in lift, automatically controlled (depending on which model is chosen) • High reliability solid state relay for noise free heater operation. • Acoustic and Visual Error Indication, Damaged probe detection, Run completed alert, Auto scrubber on/ off with delayed off timer. • Data transfer port for PC or printer connectivity • Auxiliary cooling stand with thawing fans for faster sample cooling. • 2.8 KW SS316 cased cartridge for long heater life. <p><u>Fume extraction system for Nitrogen estimation</u></p>				






S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		<ul style="list-style-type: none"> • Fume scrubber with 28LPM & 45LPM capacity for complete evacuation of acid fumes. • 2 litre condensation and neutralization jars for larger fume volumes. • MOC for bottles 3.3. expansion borosilicate bottles & body epoxy painted • 29/32 ground glass with viton liners for quick removal and assembly of condenser and fume trap • Threaded tube connectors for quick removal of glass components for maintenance • Transparent PC Protective front shield and easy removable bottle tray. • Carbon adsorption bottle removal any trace acid from exhaust air • Four way acid neutralization through Condenser, trapping in distilled water, trapping in Alkali trapping & Carbon filter • Vacuum technology for water circulation for long life of the pump • Automatic cooling water cut off post process completion for water saving • Live demonstration upon successful technical qualification <p><u>Accessories must required:</u></p> <ul style="list-style-type: none"> • PTFE tube for water connection • Heat and Acid/Alkali Resistant gloves (no. 5 pair) • Potentiometer knob • Kjeldahl distillation dosing head and holder • Condenser and Dosing funnel • Threaded tube connectors • Silicon tube for reagents and steam connection • PP Can for distilled water • Reagent bottles No. 8 				

S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
30.	Automatic Fibre estimation system	<ul style="list-style-type: none"> • Should have CE and ISO certification • The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick guide, and declaration of conformity and test certificate Warranty : 5 years exclusive • 6 sample place automatic fibre estimation system required for determination of crude fibre, NDF, ADF, ADL, CF in various dairy, food and agriculture products • Cold and hot extraction system • It should have advanced reporting software for PC compatibility • Independent loading and mechanical control of samples • Material: MS anticorrosive powder coated finish • Borosilicate extraction vessel and reflux condenser • Sintered silica glass crucibles (with 12-15 operations per crucibles) • Sample size from 0.1 to 5 gm • Temperature range: ambient to 500°C (with $\pm 0.5^\circ\text{C}$ precision) • Heater: Casted Al heater thermostatic controller • Heater power: 2500-3000 W <p>Safety feature:</p> <ul style="list-style-type: none"> • Auto temperature protection and heater cut-off with alarm, error indication, sensor break protection, Acoustic signals with visual display • Should have CE and ISO certification • The instrument should be supplied complete in all respects like appropriate universal power supply, cleaning kit, original equipment cover, operating instructions, quick 	1	4,00,000.00	4,00,000.00	8000.00



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S. NO.	NAME OF INSTRUMENT	SPECIFICATIONS	Qty	Estimated Unit Cost	Estimated Total Cost	Estimated EMD (2%)
		guide, and declaration of conformity and test certificate • Warranty : 5 years exclusive				
Total					87,68,000.00	1,75,360.00

Tender Inviting Authority: THE DEAN, COLLEGE OF DAIRY AND FOOD TECHNOLOGY, BASSI, JAIPUR

Name of Work: CDFT- Purchase of Laboratory Equipment 2021-22

Contract No: < F.6()CDFT/PURCH/E-Tender-I/2021-22/..... >

Name of the Bidder/ Bidding Firm / Company :		PRICE SCHEDULE							
Sl. No.	Item Description	Qty	Unit Rate in Figures To be entered by the Bidder in Rs. P	GST Amount in INR Rs. P	TOTAL Unit Rate With Taxes in Rs. P	Total Value with Taxes in Rs.	TOTAL Value With Taxes, In Words		
1	2	3	4	5	6	7	8		
1	UV-VIS Spectrophotometer	1			0.00	0.00			
2	Tabletop Refrigerated Centrifuge	1			0.00	0.00			
3	Binocular Compound Microscope	2			0.00	0.00			
4	Digital pH meter	2			0.00	0.00			
5	Hot Air Oven- MEMMERT TYPE	2			0.00	0.00			

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6	Autoclave with Volume: 100 Ltrs	1			0.00	0.00
7	BOD Incubator	2			0.00	0.00
8	Laminar Air Flow (Vertical air flow)	1			0.00	0.00
9	Bacteriological incubator MEMMERT TYPE	1			0.00	0.00
10	Horizontal Electrophoresis System (Mini and Medium each) with Basic Power Supply	1			0.00	0.00
11	2D Gradient Thermal Cycler/ PCR	1			0.00	0.00
12	GEL DOC	1			0.00	0.00
13	Weighing Balance 220G	1			0.00	0.00
14	Weighing Balance (510g)	1			0.00	0.00
15	Laboratory water bath	2			0.00	0.00
16	Gerber centrifuge	1			0.00	0.00
17	Muffle furnace	1			0.00	0.00
18	Refrigerator	4			0.00	0.00
19	Deep freezer	2			0.00	0.00
20	Electronic balances (1-100 kg)	1			0.00	0.00
21	Electronic balances (10) kg	1			0.00	0.00
22	Digital Milk Analyser	1			0.00	0.00
23	Water Double distillation assembly	2			0.00	0.00
24	Soxhlet apparatus	1			0.00	0.00
25	Digital Colony Counter	1			0.00	0.00
26	Multi-position Hot plate Magnetic Stirrer	1			0.00	0.00
27	Laboratory Heating Mantle (One 500mL & One 1000 mL)	2			0.00	0.00
28	Vortex Mixer	2			0.00	0.00



29	Kjeldahl Digestion Distillation and Fume extraction system	1		0.00	0.00	
30	Automatic Fibre estimation system	1		0.00	0.00	


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