



Office of the Principal

College of Veterinary Sciences and Animal Husbandry

**Affiliated to the Tripura University: A Central University
R.K. Nagar, Tripura West, Pin - 799 008**

Ph. No. - 0381-2391005, email:cvsrknagar@gmail.com

F.No.01-142/CVS/GEN/RKN/Project AGB/2018/

Dated:R.K.Nagar, the, 30th Sept, 2019

TENDER NOTICE

NOTICE INVITING e-Tender for Procurement of INSTRUMENTS/EQUIPMENTS & APPLIANCES for CICT Project COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, FOR THE YEAR 2019-20.

e-Tender is invited by the Principal, College of Vety. Sciences & Animal Husbandry, R.K.Nagar, Tripura (W) from the reputed, resourceful and bonafide authorized Distributors/ Dealers/ Manufacturing firms of instruments/equipments & appliances, etc. to supply the items for CICT Project under College of Vety. Sciences & Animal Husbandry, R.K.Nagar, Tripura (W) for the year 2019-20.

The details of the tender, quantity, specification and tender documents are made available in the website (<http://tripuratenders.gov.in/> www.ardd.tripura.nic.in). The last date/ time of submission of the Tender document by online is on 23/10/2019 at 4pm and submission of hard copy of technical and financial bid along with EMD is also on 23/10/2019 at 4pm.

All future modification/ Corrigendum shall be made available in the e-procurement portal. So bidders are requested to get the update themselves from the e-procurement web portal only.

**Principal,
College of Vety.Sciences& A.H.
R.K.Nagar, Tripura (w)**



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TENDER NOTICE

Procurement of instruments/equipments & appliances for CICT Project under COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, for the year 2019-20.

Tender documents may be downloaded from <http://tripuratenders.gov.in/> www.ardd.tripura.nic.in as per the schedule as give in **CRITICAL DATE SHEET** as under:

CRITICAL DATE SHEET

Sl. No.	Information	Details
1.	Tender No.	File no.
2.	Tender Publication Details	The Tender Form can be seen and downloaded from the websites(http://tripuratenders.gov.in and arddtripura.nic.in). The stated Tender is in e-Tender mode with built in e-bid and their online evaluation and can only be accesses through http://tripuratenders.gov.in
3.	Date & Time of publishing of online Tender	Tentatively 04/10/2019, 5:00 pm
4.	Date & Time of Document Download by the Bidders	05/10/2019, 11:00 am
5.	Start Date & Time for Submission of e-Bids	05/10/2019, 11:30 pm
6.	Last Date & Time for Submission of e-Bids	23/10/2019, 04:00 pm
7.	Last Date & Time for Receipt of HardCopy of Bid Document	23/10/2019, 04:00 pm
8.	Date & Time of Opening of the Tender	24/10/2019, 10.00am
9.	Place of Opening Bids	Directorate of ARDD, Agartala.
10.	BID validity Period	90 days from the date of the finalization of rate
11.	Officer inviting Bids	Principal, College of Vety. Sciences & A.H., R.K.Nagar, Tripura(w), Tripura-799008
12.	Completion period of the Supply	90 days
13.	Tender Form cost	Rs. 1,500/- (One Thousand Five hundred only)
14.	EMD	Rs. 1,00,000/- (Rupees One Lakh) only
15.	Payment procedure of Tender Fee and EMD	Tender Fee and EMD are to be paid electronically using the Online Payment Facility provided in the Portal. For online payment of Tender Fee and EMD, please follow the following process- •After initiating the Bid Submission Process from "My Tender" option, an "Online Payment" page will appear which will display the total TF & EMD amount. •On submission of TF & EMD payment option, System will redirect to the SBI Bank MOPS window. •SBI MOPS will have two option for Net Banking- "SBI" & "Other Banks". Bidder can choose any of the options as desired and can complete the Online Payment process. •The EMD amount shall be refunded to all the bidders including L1 (Selected) bidder in their respective Bank Account, after the Award of Contract (AoC) event is completed in the Tripura eProcurement Portal, on receipt of Performance Bank Guarantee from the selected bidder. •No interest will be paid to the bidders on EMD submitted. •EMD of the bidder may be forfeited if in any case found to have made in false Declaration or Claims. •Bidders exempted under specific Government order/ rules from submitting EMD have to furnish Scan copy of the related Governments order/rules in English language, along with the tender in support of their claim exemption.
16.	Contact Person	Chairman, Purchase committee, Contact No- 9436508506 and Member Secretary Contact No - 8787344743 ;email: drrajeshpaul77@gmail.com and: cdebbarman@gmail.com

Notes :-All the above mentioned time are as per clock time of e-Procurement website i.e.-<http://tripuratenders.gov.in>

Principal,
College of Vety.Sciences& A.H.
R.K.Nagar, Tripura (w)



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F.No.01-142/CVS/GEN/RKN/Project AGB/2018/

Dated:R.K.Nagar, the, 30th Sept, 2019

DETAILS NOTICE INVITING e-TENDER (DNIT).

e-TENDER FOR PROCUREMENT OF INSTRUMENTS/ EQUIPMENTS & APPLIANCES FOR CICT PROJECT UNDER COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, DURING THE YEAR 2019-20 are hereby invited through website (<http://tripuratenders.gov.in>) by the Principal, College of Veterinary Sciences & Animal Husbandry, R.K.Nagar, Tripura (w), of Tripura from the reputed, resourceful and bonafide authorized Distributors/Dealers/ Manufacturing firms of instruments, equipments & appliances etc.

TERMS & CONDITIONS

1. Tender will be floated in two parts-1) Technical Bid & 2) Financial Bid. Accordingly, two folders will be created at Bidders login (<https://tripuratenders.gov.in>). Bidder should upload Technical Documents to Technical Folder and Financial Documents to Financial Folder only. Last date of submission of e-tender is on 23/10/2018 at 4.00 pm and submission of hard copy of Technical bid and financial bid along with EMD is also on **23/10/2018 at 4.00 pm**.

Note: If the Financial Documents is uploaded in the Technical Folder or vice-versa, the Bids will be rejected. In addition, Technical Documents can also be saved in "My Account/My Document" Folder.

2. A duly signed copy of the Terms & Condition of the DNIT should be returned by the tenderers as token of acceptance of the departmental terms & condition to the Principal, College of Veterinary Sciences & A.H., R.K. Nagar, West Tripura, Tripura – 799008, India.
3. The interested Bidders should furnish the Bid in 2 parts namely **Technical Bid** and **Financial Bid (BOQ)**.
4. Tender shall not be accepted from any Bidder who has been blacklisted/banned/debarred either by Tendering Inviting Authority, Government of Tripura or by any other State/Central Government and its procurement Agencies. A declaration by the Tenderer must be submitted in this regard. (Annexure –IV)
5. The concerned company/ bidder whose product has been declared as of spurious or substandard quality and any criminal case is filled and pending in any court shall not be eligible to participate for those particular products in the tender. Similarly convicted firm/company shall also not be eligible to participate in the tender.
6. **Earnest money (EM), Rs. 1, 00,000/- (Rupees one Lakh)** only to be deposited as mentioned earlier in the critical date sheet.

Tender Fee and EMD are to be paid electronically using the Online Payment Facility provided in the Portal. For online payment of Tender Fee and EMD, please follow the following process-

- After initiating the Bid Submission Process from "My Tender" option, an "Online Payment" page will appear which will display the total TF & EMD amount.
- On submission of TF & EMD payment option, System will redirect to the SBI Bank MOPS window.
- SBI MOPS will have two option for Net Banking- "SBI" & "Other Banks". Bidder can choose any of the options as desired and can complete the Online Payment process.

7. The successful bidder will have to submit bank document in prescribed format (Commercial Bank) as security money of 5% of the ordered value **within 10 days from the date of issue of letter of Intent to the Bidder** in the shape of 'Performance Bank Guarantee' with one year validity.

Bank Guarantee should be submitted in prescribed format with following details:-

- (a) Name, Designation and code of the Bank official signing in the Bank Guarantee.
- (b) (b) Address and other details including telephone No. of the controlling of that Bank Branch.
- (c) A confirmation letter from the Bank Branch regarding amount as Bank Guarantee is to be submitted by the bidder.

8. The supply has to be executed within 60 (Sixty) days from the date of issue of the supply order. A penalty @1% on the total value shall be charged for every week or part of week of delay beyond stipulated date of supply. However, relaxation will be entertained only in special circumstances (Natural calamities or any other situation beyond the human control). In case, failure of supply of the ordered item/items in full within stipulated period, both the earnest money & Security deposit money are likely to be forfeited without further correspondence.
9. G.S.T & other taxes may be deducted from the Bill as per Govt. rule as applicable.
10. Any enhancement of the rate within the validity period of contract will not be considered except for imposition of any levy or increase in existing levy by the Government. Any undue request may lead to cancellation of the Order and forfeit of Bid Security money.
11. If any supplied equipments are found to be of sub-standard quality, these should be replaced by new standard quality at their own cost on receipt of the intimation from Principal, College of Vety. Sciences & A.H., R.K.Nagar, Tripura (W).
12. Payment of the successful Tenderer shall be made on bill basis only after completion of supply and satisfactory installation of the item/items as ordered for. No advance payment will be entertained in any circumstances. Principal, College of Vety. Sciences & A.H., R.K.Nagar, Tripura (w) will take all possible steps to **pay the Bills within 90 days** from the date of the completion of supply & installation subjected to the availability of fund within 20th of March, 2019.
13. The rates should be quoted both in figures and words clearly as per Specification in Annexure in the BOQ. The rate should be quoted in **Indian Currency only**.
14. The supply order will be issued once/at a time or in phased manner subject to availability of fund and as per requirement. The quantity of accessories may be reduced or extend.
15. Any default or breach of contract by the suppliers will be subject to forfeiture of earnest money/security money & will be considered as blacklisted/delisted for participating in future tender as per the discretion of **Principal, College of Vety. Sciences & A.H., R.K.Nagar, Tripura (w).**©
16. In case of any legal dispute the jurisdiction will be the **High Court of Tripura, Agartala Bench**.
17. The Principal, C. V. Sc. & A.H., R.K. Nagar, reserves the right to unilaterally terminate the contract or cancel acceptance of rate or supply order at any time without notice before the expiry of the period for which the rates are now invited.
18. The Principal, C. V. Sc. & A.H., R.K. Nagar, reserves the right to accept or reject any/all tenders without assigning any reason thereof and may accept or reject part of the tender/tenderers.
19. Items should be supplied as per DNIT. If the supplied Items are not as per Specification of the DNIT, the supply should be taken back. The payment/Security Money will be held up till the items are taken back by the concerned agency at their own cost.
20. The Technical Bids of the Bidders will be first evaluate by concerned technical committee and the technically qualified Bidders can only participate in the Financial Bids.
21. For technical evaluation concerned technical committee will examine the eligibility of the bidder as per the technical document uploaded in Tripura tender. Bids of the bidder not satisfying the eligible criteria and any technical deviation will be rejected.
22. For financial evaluation, financial bids of the technically qualified bidder will be evaluated. The bids found lacking in strict compliance to the BOQ format shall be rejected straightway. All the financial bid shall than be ranked according to the financial bid in increasing order with the bidder quoting the least amount ranked L 1 ; the bidder quoting next higher figure as L 2 and so on. L1 will be declared as successful bidder and his Offer will be processed further. However, the College reserves the right to offer the contract to the L2 and L3 Bidders as well as if there are any compliance in the Technical and Financial Bid quoted by the L1 Bidder.
23. No. Insurance charge is admissible and the successful Tenderer/Supplier will be responsible for any breakage, damage and loss in transit on the way to destination.
- 24. Bidder must bid for all the items as specified for consideration of technical validation.**

Instruction to bidder:

1. Bid documents consisting of qualification information and eligibility criteria of bidders, plans, specifications, drawings, the schedule of quantities of the various classes of works to be done and the set of terms and conditions of the contract to be complied by the bidder can be seen in the website <https://tripuratenders.gov.in> at free of cost between **04-10-2019** to **23-10-2019**. Bid Submission start on **05-10-2019** and end on **23-10-2019**.
2. Bid documents shall be uploaded in two bid system with all Pre-Qualification and other details. Bidder shall participate in bid online through website <https://tripuratenders.gov.in>, for which they shall register/enrol themselves in the same website. Submission of bids physically is not permitted.
3. To participate in bid, the bidder shall have a valid **Class 2/Class 3 Digital Signature Certificate (DSC)**, obtained from the certifying authorities enlisted by Controller of Certifying Authorities (CCA) at <http://cca.gov.in>
4. Bid will be opened online through website <https://tripuratenders.gov.in> on **24-10-2019** in the office of the Directorate of ARDD, Agartala. If the office happen to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
5. Each Bidder shall submit only one bid for the work. A bidder who submits more than one bid will cause disqualification of all the bids submitted by the bidder.
6. **Rate Quotation:** BOQ should be downloaded from the e-procurement application <https://tripuratenders.gov.in> and the same BOQ should be filled up properly and uploaded as a part of bid with digital signing. Bidder shall quote the Rate for **all items mandatorily** only in the Bill of Quantity (BOQ) which is in MS-Excel (macro enabled) and Name of the bidder/company/firm must be written in the appropriate field of Bill of Quantity (BOQ) by bidder.
7. On publication of the bid, bidder shall download the DNIT and all the work items from website as mentioned in the DNIT and minutely go through the instructions/terms conditions/critical dates/eligibility criteria of the DNIT. Downloaded DNIT document is to be uploaded back and digitally signed as a part of bid, and as a proof of acceptance of all terms conditions in the DNIT.
8. The Bidders shall have to scan all the required documents mentioned in this DNIT into PDF format of 100 dpi resolution, for uploading as part of Bid.
9. Bill of Quantity (BOQ), which is in MS-Excel shall be downloaded, filled up properly and uploaded with the bid after digital signing. The Bidder shall always open the BOQ sheet with Macro Enabled.
10. The dates stipulated in the bid notice are firm and under any circumstances, they will not be relaxed unless officially extended.
11. Bidders are allowed to bid 24x7 until the time of Bid closing, with option for Re-Submission, wherein only their latest submitted Bid would be considered for evaluation. The e-Procurement website will not allow any Bidder to attempt bidding, after the scheduled date and time.

12. Even though the bidders meet the above qualifying criteria, they are liable to be **disqualified/ debarred / suspended / blacklisted** if they have.

- a. Furnished false/ fabricated particulars in the forms, statements and / annexure submitted in proof of the qualification requirements and/or
- b. Not turned up for entering into agreement, when called upon.
- c. Even while execution of the work, if found that the work was awarded to the Bidder based on false/ fake certificates of experience, the Bidder will be blacklisted and necessary action will be taken as per rules.
- d. Any definite attempt of profiteering by any bidder will render himself liable to be debarred permanently from bidding or for such period as the bid accepting authority may decide. The bidder overall rate should be based on the controlled prices for the materials, if any, fixed by the Government or the reasonable prices permissible for the bidder to charge a private purchaser under the provisions of clause-6 of the hoarding and profiteering prevention ordinance of 1943 as amended from time to time and on similar principle in regard to labour supervision on the construction.
- e. Each Bidder shall submit only one Bid for the work. A bidder who submits more than one bid will cause disqualification of all the bids submitted by the bidder

BID OPENING AND EVALUATION:

1. Bid Opening

1.1 The bids will be opened online by the Bid openers on behalf of the Principal, College of Veterinary Sciences & A. H. at the time, date and venue as specified in the bid documents. Bids shall be scrutinized in accordance with the conditions stipulated in the Bid document. In case of any discrepancy of non-adherence Conditions, the Bid accepting authority shall communicate the same which will be binding both on the bid Opening authority and the Bidder. In case of any ambiguity, the decision taken by the Bid Accepting Authority on bids shall be final.

2. Bid Evaluation and Comparison of Bids.

2.1 All the statement, documents, certificates, BOQ (bill of quantity) etc., shall be submitted/uploaded by the bidder will be verified, for evaluation of bids. The clarifications, particulars, if any, required from the bidders, will be obtained by addressing the bidders. Bids will be evaluated against the specified parameters / criteria same as in the case of conventional bids and the qualified bidders will be identified. The result of bids evaluation can be seen in the e-procurement application <https://tripuratenders.gov.in> by all the bidders who participated in the Bid.

2.2 The '**BOQ Comparative Chart**' generated & displayed by system through the e-procurement portal, after the opening of Bid, will show the amount calculated based on percentage rate quoted by the bidders. **The bidder shown as lowest (L1) in the bid rank of the 'BOQ Summary Details', may not be the lowest always.** The prescribed authority (i.e. **Bid Opening Committee**) in the Department will prepare a '**Comparative Statement**' considering all parameters as per conditions given in the bid document. This '**Comparative Statement**', **declaring lowest bidder (L1), will be displayed in the e-procurement portal subsequently.**

2.3 NO NEGOTIATION WILL BE CONDUCTED WITH THE LOWEST BIDDER.

2.4 Details of 'Bid Evaluation Committee' shall be uploaded in the e-procurement portal <https://tripuratenders.gov.in> and all the bidders can access the same.

2.5 Tender Inviting Authority may cancel the tender at any stage without any prior notice.

3. Discrepancy in Bid rate quoted.

3.1 Bids shall be scrutinized in accordance with the conditions stipulated in the Bid document. **Bidder shall quote rate in figures only. BOQ (in MS-Excel format) shall be open with Macro Enabled for automatic conversion from figures to words.** In case of any ambiguity, the decision taken by the Bid Accepting Authority on Bidders shall be final.

4. Process to be Confidential.

4.1 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to the Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced by the bid accepting authority. Any effort by a Bidder to influence the processing of Bids or award decisions may result in the rejection of his Bid.

4.2 Before recommending / accepting the bid, the bid recommending / accepting authority shall verify the correctness of certificates submitted to meet the eligibility criteria and specifically experience. The authenticated agreements of previous works executed by the lowest bidder may be called for.

AWARD OF CONTRACT

1. Award Criteria

1.1 The Principal will award or recommend to the Competent bid accepting authority for award of the contract to the Bidder who is found Technically Qualified as per the Bid conditions and whose **Offer Rate is lowest** (Condition apply as mention in SI No 22).

1.2 The bid accepting authority reserves the right to accept or reject any Bid or all bids and to cancel the Bidding process, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the reasons for such action.

2. Notification of Award and Signing of Agreement.

1.1 The Bidder whose Bid has been accepted will be notified the award of contract by any authorized official, prior to expiration of the Bid validity period by publishing the Award of Contract in the Tripura Tenders portal and also may send the same through registered letter.

1.2 The bidder should appear before the tender inviting authority within **07 days** after the bidder has been awarded. The written agreement to be entered into between the Bidder and the Government shall be the foundation of the rights and obligations of both the parties and the contract shall not be deemed to be complete until the agreement has first been signed by the Bidder and then by the proper officer authorized to enter into contract on behalf of the Government.

1.3 The successful bidder has to sign an agreement within a period of **10 days** from the date of receipt of communication of acceptance/ award of his bid.

3. Corrupt or Fraudulent Practices

3.1 The Government requires that the bidders / suppliers / Bidders under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Government

(a) Define for the purposes of the provision, the terms set forth below as follows:

(i) "Corrupt practices" means the offering, giving, receiving or soliciting of anything of value to influence the action of a Government official in procurement process or in contract execution: and

(ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Government and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish in Bid prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition.

(b) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

(c) Will blacklist / or debar a firm, either indefinitely or for a stated period of time, if at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing a Government Contract.

Furthermore, Bidders shall be aware of the provisions stated in the General Conditions of Contract.

PROCEDURE FOR SUBMISSION OF BIDS

The Bids shall be submitted in 2(two) parts, post registration in <http://tripuratenders.gov.in>, as follows :-

Part I: Fees/Prequalification/Technical Bid

List of Documents to be scanned and uploaded in My Documents

The following documents as per standard format dictated by the Regulatory/Statutory Bodies, shall be scanned and uploaded along with the Bid Document as per requirements-

Sl. No.	Name of the Documents
1.	PAN / TAN Card
2.	GST Registration Certificate
3.	IT Return for the last 3 financial years 2015-2016, 2016-2017, 2017-2018.
4.	Firm Registration Certificate

5.	Tender Document/DNIT which is digitally signed by the Bidder
6.	Quality assurance certificate
7.	Complete Technical Details, Data sheet, OEM Authorization Certificate and detail Technical Specification for the item to be offered & any other relevant Documents
8.	Authorization letter of the manufacturing firm – for supplier only
9.	Other relevant Documents mentioned in Eligibility Criteria
10.	All filled in and signed Annexure-I, II, III, IV&V

Part II: Financial Bid

Financial Bid will be considered for evaluation for those Bidders who have qualified the Technical Bid.

BOQ should be downloaded by the Bidder, fill up the same without any modifications/alterations and upload to My Document in Tripura Tenders website.

Note: Bidder should not temper the BOQ else the bid will be rejected.

Eligibility/Pre-Qualification Criteria of the Bidder :-

- 1) The Bidder should satisfy the Technical Compliance as mentioned in the ANNEXURE-III, Technical Specification. Bids failing to satisfy the compliance of the Technical Specification will be rejected.
- 2) The Bidder should not be debarred or blacklisted by any State/Central Government /PSU. A self Certificate must be furnished by the Bidder to support the same.
- 3) The Agency should possess necessary GST Registration from the competent Authority.
- 4) The agency should have registered and should possess necessary license from Statutory body/organization with TAN/ PAN and copy of the registration firm.
- 5) The Agency should provide IT Return Document (Compulsory) and audited balance sheet (if available) for the last 3 financial years 2015-2016, 2016-2017, 2017-2018.
- 6) **All documents should be duly signed and attached properly, without which the Bid shall be rejected.**

For each above mentioned document, the Bidders shall scan in 100 dpi resolution into PDF and upload them.

**Principal,
College of Vety. Sciences & A.H.
R.K.Nagar, Tripura (w)**

Annexure-I

TENDER FORM

To
**Principal,
College of Veterinary Sciences & A.H.
R.K.Nagar, Tripura (w)**

Sir,

Having examined the tender document, the receipt of which is hereby acknowledged, we, the Undersigned, offer to supply and deliver the goods under the above-named Contract in full

conformity with the said tender document and our financial offer in the Price schedule submitted in Envelop No.2 which is made part of this tender.

2. We undertake, if our tender is accepted, to deliver the goods in accordance with the delivery schedule specified in the tender document.

3. If our tender is accepted, we undertake to submit the security deposit in the form, in the amounts, and within the times specified in the tender document.

4. We agree to abide by this tender, for the Tender Validity Period specified in the tender document and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

5. Until the formal final Contract is prepared and executed between us, this tender together with your written acceptance of the tender and your Acceptance of Tender shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any tender you may receive.

Signed: _____

Date: _____

In the capacity of _____

Duly authorized to sign this bid for and on behalf of _____

Signature & stamp of Tenderer

ANNEXURE-II

MANUFACTURER'S AUTHORISATION FORMAT **(To be furnished with the Technical Bid)**

To
Principal,
College of Veterinary Sciences & A.H.
R.K.Nagar, Tripura (w)
Tripura-799008.

Sir,

We, _____ are the manufacturers of _____ (name of item(s))
and have the manufacturing factory at _____.

1. Messrs _____ (name and address of the agent) is our authorized distributor for sale of _____ (name of item(s)).

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs _____

(Name & address of the manufacturers)

Seal:

Note:

1. This letter should be on the **letterhead** of the **Manufacturer** and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

Annexure-III

TECHNICAL SPECIFICATIONS: Procurement of INSTRUMENTS/ EQUIPMENTS & APPLIANCES UNDER THE RESEARCH PROJECTS ENTITLED “CHARACTERIZATION OF INDIGENOUS CATTLE OF TRIPURA” FOR THE DEPARTMENT OF ANIMAL GENETICS AND BREEDING (AGB), COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, FOR THE YEAR 2019-20.

List of Instruments/ Equipments

Sl. No.	Name of the Instrument/ equipment	Specification	No. required for CICT Project
1.	VERTICAL AUTOCLAVE	Outer & Inner chamber are made of SS-304 Grade. Fitted with low water level cut off device for general safety of the element. With radial locking arrangement foot lifting. Filled	1

		<p>with neoprene rubber gasket. All autoclaves are fitted with standard accessories such as water level indicator, pressure gauge, steam release cock, spring loaded safety valve and heating element. Filled with a PLC Logic controller 16x2 alphanumeric LCD. Display with timer and temperature programmable. Works on 220/230 volts AC Supply.</p> <ul style="list-style-type: none"> • Low cost easy to operate high feature Auto tune Advance PID Temperature Control • Microprocessor based Auto tune Advance PID digital temperature controller controls temperature precisely at set value. • Sensor –RTD-PT100 and Temperature range: 0-100 degree Celsius Resolution 0.1°C • Display 16 x 2 (Jumbo Blue LCD) • Inbuilt Thermal printer for report & Data logging, with date, time, temperature, etc. • Initial air purging cycle; at the start air is automatically removed from the chamber • Performs all operations of autoclave automatically 1. Purging Heating, 2. Purging Evacuating, 3. Sterelization, 4. Timer, 5. Final-Evacuating" • Inbuilt Thermal printer for report & Data logging, with date, time, temperature ,Operation Messages, etc • Automatic Solenoid Control Relay Operation for Exhaust Valve • LED indication for each cycle process. • Low water level detection and Door open detection • 4 keys soft touch Menu Driven system and Auto tune Advance PID temperature control • PID values settable in menu • Auto Alarm on temperature deviation from Set Point/ Process Complete • Selectable Timer up to 99:59 (Hours: Minutes) • Timer Disable option for continuous running • Visual Alarm Led Indication for Temperature Deviation/Heater/cooler/Fan/Timer • SSR based output controls for Heater (PID) as well as Cooler (Normal). Computer interface via RS232 interface + PC software. DIA x HEIGHT : 300 x 500mm; LOAD:2 KW, Capacity: 40 ltrs <p><u>Warranty: 2 years warranty.</u></p>	
2.	DEEP FREEZER (COOLING UPTO -20 °C)	<ul style="list-style-type: none"> • System should have 245liter as gross capacity. • System should have dimension 22 x 24 x 57 (W x D x H inch). • System should have -16°C - 25°C as temperature range. • System should have optional temperature display. • System should have optional microprocessor controller. • System should have optional lock. • System should have 5 drawers. • System should have 2 (rear) Wheels. • System should have quick freezing function. • System should have high temperature visual alarm. • System should have extremely low power consumption -A+. • System should have power consumption .78 units / 24 hrs. • System should have EFS Series Tropicalised at 43°C. • System should have right hand hinged reversible door. • System should have sealed drawers - prevent frost loss from open door. • System should have high hold over time - upto 16 hrs. • System should have digital microprocessor controller with display. • System should have High / Low temperature alarm. • System should have door open alarm. • System should have exterior contact for remote alarm. 	1

		<ul style="list-style-type: none"> • System should have Acoustic alarm. • System should have Lock. <p><u>Warranty: 2 years warranty.</u></p>	
3.	DNA ELECTROPHORESIS SYSTEM WITH POWER PACK	<ul style="list-style-type: none"> • System can be used with Submarine and Mini horizontal Electrophoresis unit. • Mini horizontal electrophoresis system, includes 8- and 15-well combs, gel caster, 7 x 10 cm (W x L) UV-transparent tray, basic power supply • System should run two units at Constant Voltage or Constant Current with maximum output of 300V, 400mA and 80 Watts. • UV-transparent gel trays — with fluorescent ruler • Longer tabs on base — easy removal of lid reduces buffer spillage, and lid cannot be incorrectly positioned • Accessories — includes gel caster for tape-free casting, and the PowerPac Basic Power Supply • Ready Agarose Precast Gels lock securely into the chamber — save time and get reproducible separations • System Timer can be set in 1-minute increments or continuous mode. <p>Product Contents</p> <ul style="list-style-type: none"> • Buffer tank • Lid with cables • 7 x 10 cm tray • Leveling bubble • 8- and 15-well combs • Gel caster • Power Pack Basic Power Supply 	1
4.	LAMINAR FLOW WITH WORK STATION	<ul style="list-style-type: none"> • System should have 99.99% particle removing Class 100 HEPA filter. • System should have Microprocessor PID Controller. • System should have excess door opening alarm, low air velocity visual & audible alarm, filter using & change time alarm. • System should have vertical air flow type. • System should have air leak proof cabinet structure. • System should have self-standing with castor wheel, no required separate stand. • System should have Dimension (inner) : 1190x550x650 (WxDxH mm) • System should have Dimension (outer) : 1350x800x1880(WxDxH mm) • System should have Air Volume (Approx.) : 1350 m³ / h • System should have Controller : 9 stage velocity control, total using timer, UV/FL Lamp on/off • System should have HEPA Filter : Class 100, purity 0.3um Particle Removal 99.99% • System should have Prefilter : 3~30um Particle Removal • System should have Air flow velocity : 0.3~0.6 m/sec • System should have Noise Level : 56~60 dBA • System should have Light: UV 20W x 1EA, FL 20W x 1EA • System should have material Inner : Stainless Steel 304 • System should have door : Tempered Safety UV Protected Glass Sliding Door • System should have utility device : Air Cock, Gas Cock, 220V Consent • System should have electric supply : 220V, 50Hz 	1
5.	GRADIENT PCR WITH AMBIENT	<ul style="list-style-type: none"> • Universal Block for 96 x 0.2ml PCR Tube, 71 x 0.5 ml PCR Tube, One 8x12 PCR plate. 	1

	COOLING	<ul style="list-style-type: none"> • Gradient PCR, capable of testing 12 different temperatures simultaneously across a gradient range of 1 - 20° C. • Steady Slope Gradient Technology ensures ramp rates are identical in both gradient and normal operation. • Heating and cooling via pettier technology. Patented Triple Circuit Technology, ensures precise control of temperature . • Temperature control range: from 4 °C to 99°C • Temperature Control Mode: Fast, Standard and Safe • Lid Temperature range: 37 - 110 °C with Block Temperature Accuracy: ± 0.2°C • Block Homogeneity: 20° C to 72° C: ≤ ±0.3° C, 95° C: ≤ ± 0.4° C • Temperature control speed: approx. 3 °C/s (heating). • Temperature control speed: approx. 2 °C/s (cooling). • Lid descent and closing pressure - Flex lid technology with Thermal sample Protection. • Intuitive Graphic programming with larger display. • Administrator and user login with or without PIN for enhanced security. • Booking schedule allows users to reserve the instrument in advance. • E-mail Notification . • Power save Standby function. • Cooling vents at bottom and rear allow placing other instruments in limited. • Power consumption: 700 W. • Bus connection cable (50 cm)as accessories. • Calibration according to International standard listed viz. NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/CUL etc. • For Maintenance of constant Laboratory temperature at 22°C-25°C Air Conditioning system should be installed as an integral part of this equipment with 6 nos. of inverter Split type AC, having Capacity of 1.5 Ton, with 5 Star facility. 	
6.	WEIGHING BALANCE	<ul style="list-style-type: none"> • System should have weighing capacity of 220 g. • System should have Readability 0.1 mg. • System should have Pan Size: ø 90 mm. • System should have Repeatability : < + 0.1 mg. • System should have Linearity : < + 0.2 mg. • System should have adaptation to ambient conditions by <ul style="list-style-type: none"> • selection of 1 of 4 Optimized filter levels. • System should have high contrast liquid crystal display. • System should have external calibration mode for external calibration. • System should have Bi-directional RS-232 interface port. • System should have AC Adapter. • System should have both side Tare key. • System should have stainless steel weighing pan with removable dust and spill rings. • System should have hanger for below balance weighing. • System should have application programs. <ul style="list-style-type: none"> ○ Weighing In Percentage ○ Dynamic Weighing ○ Counting ○ Net Total • System should have mass unit conversion by toggling between two weight units from choice of many units. 	1

		<ul style="list-style-type: none"> • System should have overload protection. • System should have ISO/GLP compliant printing capability with optional Sartorius Printer. • System should have ISO 9001 certified. 	
7.	TABLE TOP MICRO CENTRIFUGE (MINISPIN)	<ul style="list-style-type: none"> • System should have table top Micro centrifuge with 12-place rotor • System should have compact centrifuge with extremely small footprint • System should be capable to accommodate 12 x 1.5/2ml tubes • System should have the maximum speed of 14100 x g (800-14500 rpm) • System should have rotor and rotor lids should be made of aluminum • System should have rotors and rotor lids should be autoclavable (121°C for 20 mins) • System should be a dedicated soft spin key for brief spin • System lid should automatically open at the end of the run • System rotor and lid should be chemically resistant • System should have an air flow which minimizes sample heating • System should have the possibility to add a rotor for PCR strips • System should have very minimal acceleration and deceleration times • System noise levels should be < 52dB • System should have Timer with 15 s to 99 min, with continuous run function • System should possess CE certification and also have an IVD Conformity • Height (with open lid)-25 cm • Dimensions (W × D × H)- 22.6 × 23.9 × 12.0 cm • System should have maximum power consumption 85 Watt. • System should have maximum height (with open lid) -25 cm. • System should have maximum weight w/o accessories-3.7 Kg. 	1
8	DIGITAL WATER BATH	<ul style="list-style-type: none"> • Microprocessor PID Control for 0.1°C Precision. • Timer, Alarm, • Auto-Tunning Function • Built-in Safety and Convenience • Seamless Stainless Steel Bath (SUS 304) <ul style="list-style-type: none"> • Dimensions (Inner) : 500x295x150 mm (WxDxH) (Outer) : 537x327x280 mm (WxDxH) • Capacity : 22 Ltrs • Heater : 1400W • Weight : 8.4 Kg • Temp. Range : Ambient +5deg.C to 99deg.C • Temp. Accuracy : +/- 0.1deg.C • Temp. Uniformity : +/- 1.0deg.C • Material : Seamless Stainless Steel (SUS304) • Safety : Over Temp. Cut Off • Electric Supply : 220V, 50Hz 	1
9	UV-VIS SPECTROPHOTO METER FOR DNA QUANTIFICATION WITH COMPUTER	<ul style="list-style-type: none"> • System should have UV/VIS Spectrophotometer for measuring volumes from 1.5 µL to 4.5 mL. • System should have Spectrometer to perform UV/Vis spectrometric and scan applications allowing quantification of sample volumes from 1.5 µL to 4.5 mL. 	1

	DOCUMENTATION	<ul style="list-style-type: none"> • System should have preprogrammed methods for rapid and reliable analysis of Nucleic acids and proteins, OD600, dye methods (parallel measurement of biomolecule and dye label), FOI (frequency of incorporation) calculation. • System should allow measuring and recording of UV/Vis spectral wavelengths from 200 to 830 nm, with smallest increment of 1 nm. • System should allow extinction measurement for one or several wavelengths. • System should have recording of wavelength scans should be possible with Integrated data processing. • System should have in-built methods with analysis via factor, standard or standard series. • System should allow performing Dual-wavelength method with subtraction and division analysis. • System should have data evaluation methods for concentration via standard series (Regression: linear, cubical, Quadratic) and (Interpolations: linear and Spline). • System should have Spectra Zoom® technology to analyze and process curve sections in detail view directly on the instrument display and for peak detection. • System should have the combination of Absorption single-beam spectrophotometer with reference beam as measuring principle with Xenon flash lamp as light source and beam receiver as CMOS photodiode array. • System should allow direct operation on the device and must not require PC to operate • System should have data transfer of measured data to a preinstalled Computer by connecting the device directly to a PC should be possible without any additional software or should be through USB stick. The Computer should have the following features. <ul style="list-style-type: none"> ○System should be Latest Version. ○System should have 21Inch Monitor. ○System should have preinstalled original Windows 10 operating system. ○System should have Intel processor i7. ○System should have 16 GB RAM. ○System should have 1TB Hard Disk. ○With all accessories including UPS-with 1 Hour Back Up, Monitor, wireless mouse, Keyboard with Computer table made up of Rubber wood. • System should have facility for saving > 1,000 measured results and > 100 new methods in the instrument directly. 	
10	SINGLE CHANNEL MICROPIPETTE SET WITH STAND	<ul style="list-style-type: none"> • System should have micropipette, adjustable volume, fully autoclavable. • System should have spring loaded tip cone for connecting tips very tightly. • System should have adjustment opening for adjusting pipettes to a specific liquid and volume. • System should have control button with very low operating force, color indication for pipette volume. • System should have tip ejector with very low operating force, positioned for perfect ergonomics. • System should have volume display: 4 Digits with magnifier. • System should manufactured from Fortron material to provide thermal, mechanical and chemical stability piston. • System should have very easy removable lower part for cleaning pipette. 	<p>[1 EACH FOR</p> <p>0.1-2.5µL,</p> <p>0.5-10 µL,</p> <p>2-20 µL</p> <p>10-100 µL,</p> <p>20-200 µL,</p> <p>100 µL -1ml</p>

		<ul style="list-style-type: none"> • System should have No discoloration upon UV irradiation. • System should have 3 Years Warranty. • System should have single-channel, variable, incl. Pipette Stand and T.I.P.S.® Box. • System should have volume 0.1-2.5 µL, 0.5-10 µL, 2-20 µL yellow, 10-100 µL, 20-200 µL, 100-1000 µL. 	
11	GEL DOCUMENTATION SYSTEM WITH ALL ACCESSORIES	<ul style="list-style-type: none"> • Gel documentation system with scientific grade CX4 camera is must with 2 megapixels resolution extendable up to 7.6 mega pixels. • Should have motorized zoom lens with feedback. • Dark room with white light EPI. • Transilluminator of 20 x 20 cm to produce publication quality gel image. • System should have epi white light. • Image of 16-bit - 65,536 grey levels are must. • Should have USB 3.0 interface for faster image transfer. • System should have one fixed position filter wheel with F-590 emission filter for ethidium bromide, Gel Red, Gel Green, Lumitein, SYPRO Ruby, etc. • System should have future upgrade option for colorimetric gel imaging. • Image capturing should be with auto-lighting, auto-focus and auto-exposure. • System should have BioVision software for image enhancement; image analysis includes molecular weight calculation, band quantification, distance calculation. • Software should be multi-user licensed software. • 3D dynamic scan and Apps studio are must. <p>• Should include DESKTOP/LAPTOP with Intel latest version processor, Windows inbuilt upgraded version, 1TB hard disk, 8 GB RAM and 1 KVA UPS with branded printer cum scanner to operate and analyze data as compatible with the equipments and software [IMAGE-Lab software and Quantity One (Q -one) software].</p>	1
12	5KVA ONLINE UPS SYSTEM	<ul style="list-style-type: none"> • System should have 5KVA with 2hr backup with a constant power supply of 3000 volt at a time for different machines with cable connection as per requirement and set up of the Deptt. of AGB laboratory, C.V.Sc. and A.H., R.K. Nagar. 	1
13	DIGITAL CAMERA	<ul style="list-style-type: none"> • System should have 24.2MP DX-Format CMOS Sensor. • 100-25600 sensitivity range (critical for obtaining grain-free pictures, especially in low light) • System should Exped 4 image processor. • System should have full HD moving recording. • System should built- in- Wi-Fi, NFC, Bluetooth and GPS <p>with 32 GB memory card</p> <ul style="list-style-type: none"> • System should have 16 Built-in Scene Modes. • System should have 8.1cm Vari-Angle LCD Monitor. • System Should have ISO 100-25600 sensitivity range,with Optical Sensor of 8 Megapixels • System have 39 AF points. • System should have body +18-140mm Lens • Digital Camera BK In VR and VR Kits(all), rubber eyecup, body cap, a rechargeable Li-ion battery (with terminal cover), strap, battery charger with bag. Video Capture with full hd (1920x1080). 	1
14	SCANNER CUM PRINTER	<ul style="list-style-type: none"> • System should have printing method Laser. • System should be Multi-function type. • System should have Display Dual Digit Numeric LED. • System should have Printing Output Monochrome. • System should have functions Print, Copy, Scan. • System should have Refill Type Toner Cartridge. 	1

		<ul style="list-style-type: none"> • System should have Ideal Usage Business. • System should have Duty cycle (monthly, A4) 8000 pages. • System should have Print Speed Mono 18 ppm. • System should have Duplex Print Manual. • System should have other print features Print Speed Black (Normal, Letter): 19 ppm • System should additional features-Duty Cycle (Monthly, Letter): 8000 Pages, Recommended Monthly Page Volume: 250 to 2000. • System should have Processor speed: 400 Mhz, Scan Resolution Hardware: 1200 x 1200 dpi, Color Scanning: Yes, Levels of Greyscale: 256, Scan Input Modes: Scanning via HP LaserJet Scan Application or TWAIN or WIA Compliant Application Software, Paper Trays Maximum: PaperTrays Standard: 1, Media Weight Supported: 60 to 163 g/m, Multitasking Supported: Yes, Storage Temperature Range: 0DegC - 35DegC, Acoustic Power Emissions (Active Copy): 50 dB, Storage Humidity: 10 % - 80 %,HP Laser Black Toner Cartridge pre-Installed. <ul style="list-style-type: none"> • System should have media size supported A4 paper. • System should have 24-Bit depth Mono scan. • System should scan area size 216 x 297 mm. • System should have optical scanning resolution 1200 dpi. • System should have scan type flatbed. • System should have Copy Resolution Colour 600 x 400 dpi. • System should have operating temperature range 10DegC - 32.5DegC degree C. • System should have Operating Humidity range 10 % - 80 % . • System should have 46.895 cm Width . • System should have 32 cm Height. • System should have 9.4 kg Weight. • System should have 32.065 cm depth. 	
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N.B.-

1. Quantity may be increased or decreased.
2. All items to be supplied as per the Technical Specification specified by the Authority.
3. Items to be supplied to the different Departments as per supply order in the College of Veterinary Sciences& A.H., R.K. Nagar, West Tripura, Tripura – 799008, India.

ANNEXURE –IV

DECLARATION FORM

I / Wehaving my/our.....Office at.....do declare that I / We have carefully read all the terms & conditions of Tender for the supply of..... The approved rate will remain valid for a period of one year from the date of approval. I will abide with all the terms & conditions set forth in the Tender paper Reference No.

I/We do hereby declare I/We have not been convicted by any court of Law nor I/We are derecognized/black listed by any State Govt. /Union Territory/ Govt. of India/Govt. organization/Govt. HealthInstitutions for supply of Not of Standard Quality (NSQ) items/part-supply/non-supply. I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Security Deposit and blacklist me/us for a period of 3 years, if any information furnished by us proved to be false at the time of inspection/verification and not complying with the Tender terms & conditions.

I/We further declare that I/We possess valid manufacturing license/ authorized distributor/trader license bearing No.Valid up to.....
..... I/We.....do hereby declare that I/we will supply the as per the Terms, Conditions & specifications of the Tender Document.

Signature of the Bidder:

Date:

ANNEXURE – V

TOTAL TURNOVER CERTIFICATE

**To
Principal,
College of Veterinary Sciences & A.H.
R.K.Nagar, Tripura (w)
Tripura-799008.**

We hereby certify that M/s _____ (the name of participant in the tender) who is participating the tender for "PROCUREMENT OF **INSTRUMENTS, EQUIPMENTS & APPLIANCES FOR COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, DURING THE YEAR 2018-19**, having office at _____ (Address of office) has sales turnover given as below :-

Format for Financial Turnover :-

Name of Bidder	Financial Turnover (Rs. in lakhs)			
	Financial year 2015-2016	Financial year 2016-2017	Financial year 2017-2018	Average of 3 Financial years

The above information is correct and true.

SIGNATURE OF CHARTERED ACCOUNTANT

NOTE: The turnover of other than participant will not be accepted.