



*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.02/DBT-INSTRUMENTS/VPHE/CVS/RKN/2018/  
R.K.Nagar,The,

Dated:

## **TENDER NOTICE**

**NOTICE INVITING e-Tender for Procurement of INSTRUMENTS, EQUIPMENTS & APPLIANCES UNDER THE DBT SPONSORED RESEARCH PROJECTS ENTITLED “*Molecular mapping and epidemiology of caprine cryptosporidiosis in Tripura*” FOR THE DEPARTMENT OF VETERINARY PUBLIC HEALTH & EPIDEMIOLOGY (VPHE), COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, FOR THE YEAR 2018-19.**

**Principal,  
College of Vety. Sciences & A.H.**

**R.K.Nagar, Tripura (w)**



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Tender documents may be downloaded from <http://tripuratenders.gov.in/> [www.ardd.tripura.nic.in](http://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( <a href="http://tripuratenders.gov.in">http://tripuratenders.gov.in</a> and <a href="http://arddtripura.nic.in">arddtripura.nic.in</a> ). The stated Tender is in e-Tender mode with buil in e-bid and their online evaluation and can only be accesses through <a href="http://tripuratenders.gov.in">http://tripuratenders.gov.in</a>
3.	Date & Time of publishing of online Tender	<b>10/10/2018, 4:00 pm</b>
4.	Date & Time of Document Download by the Bidders	<b>10/10/2018, 5:00 pm</b>
5.	Start Date & Time for Submission of	<b>10/10/2018, 5:30 pm</b>

	e-Bids	
6.	Last Date & Time for Submission of e-Bids	<b>14/11/2018, 4:00 pm</b>
7.	Last Date & Time for Receipt of Hard Copy of Bid Document	<b>14/11/2018, 4:00 pm</b>
8.	Date & Time of Opening of the Tender	<b>15/11/2018, 12.30 pm</b>
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. 500/- (Five hundred only) of the cost of the Tender Form only in the form of Demand Draft from any Nationalized or RBI approved Bank in favour of the “Principal, College of Veterinary Sciences and Animal Husbandry, R.K. Nagar” and payable at Agartala.
14.	EMD	Rs. 41700/- (Rupees forty one thousand and seven hundred only) of the cost of the Tender only in the form of Demand Draft from any Nationalized or RBI approved Bank in favour of the “Principal, College of Veterinary Sciences and Animal Husbandry, R.K. Nagar” and

		payable at Agartala.
15.	Contact Person	Dr. Seuli Saha Roy, Principal Investigator, Contact No. 7005588519; email:seulivet2017@gmail.com

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

**Principal,  
 College of Vety. Sciences & A.H.  
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Dated:

R.K.Nagar,The /2018

**DETAILS NOTICE INVITING e-TENDER (DNIT).**

**e-TENDER FOR PROCUREMENT OF INSTRUMENTS, EQUIPMENTS & APPLIANCES UNDER THE DBT SPONSORED RESEARCH PROJECTS ENTITLED “Molecular mapping and epidemiology of caprine cryptosporidiosis in Tripura” FOR THE DEPARTMENT OF VETERINARY PUBLIC HEALTH & EPIDEMIOLOGY (VPHE), COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, DURING THE**

**YEAR 2018-19** 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 bonafied 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.

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)**, for an amount of Rs. Rs. 41700/- (Rupees forty one thousand and seven hundred) only drawn **in favour of the Principal, College of Vety. Sciences & A.H.**, R.K.Nagar, Tripura (w), in the shape of fresh deposit at Call (D - Call)/Bank Draft of any Nationalized Bank of India, to be deposited by the concerned Bidder by Speed Post/Courier Service/By hand only in sealed envelope to the “Principal, C. V. Sc. & A.H., R.K. Nagar, West Tripura, Tripura – 799008, India”. EMD Demand Draft should be valid for 45 days from the day of Contract Award. In case of un-successful tenderers the Earnest Money deposit (EMD) will be released once the Supply Order is issued to the Successful Tenderer.
7. The successful bidder will have to deposit 05% of the ordered value as security money **within 10 days from the date of issue of the supply order** / contract, in shape of D-call/ Bank draft from any nationalized bank in favour of the **Principal, College of Vety. Sciences & A.H.**, R.K.Nagar, Tripura (w). The security money will be released after the completion of the full and satisfactory supply.
8. The supply has to be executed within 90 (ninety) 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 instruments 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.
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 evaluated by the concerned technical committee and the technically qualified Bidders can only participate in the Financial Bids.
21. For technical evaluation, the 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 bids shall then 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. All the items mentioned in the technical specifications will be considered together for acceptance.

**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 10-10-2018 to 14-11-2018. Bid Submission start on 10-10-2018 and end on 14-11-2018.

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 15-11-2018 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** 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.
- .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.
- .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-

<b>Sl. No.</b>	<b>Name of the Documents</b>
1.	Tender Form cost –Scan and upload the Draft in PDF format(150 dpi)
2.	The Earnest money (EMD) –Scan and upload the Draft in PDF format(150 dpi)
3.	PAN / TAN Card
4.	GST Registration Certificate
5.	IT Return for the last 3 financial years 2015-2016, 2016-2017, 2017-2018.
6.	Firm Registration Certificate
7.	Tender Document/DNIT which is digitally signed by the Bidder
8.	Quality assurance certificate

9.	Complete Technical Details, Data sheet, OEM Authorization Certificate and detail Technical Specification for the item to be offered & any other relevant Documents
10.	Authorization letter of the manufacturing firm – for supplier only
11.	Other relevant Documents mentioned in Eligibility Criteria
12.	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 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.**

**Ref: Tender No.** \_\_\_\_\_ **date:**

\_\_\_\_\_

**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

\_\_\_\_\_

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 DBT SPONSORED RESEARCH PROJECTS ENTITLED “*Molecular mapping and epidemiology of caprine cryptosporidiosis in Tripura*” FOR THE DEPARTMENT OF VETERINARY PUBLIC HEALTH & EPIDEMIOLOGY (VPHE), COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, FOR THE YEAR 2018-19.**

## List of Instruments/ Equipments

Sl. No.	Name of Instruments/Equipments	Specifications	Technically compliant (Yes/No)
A.	<b>Compound Microscope with Phase contrast and Dark field imaging, along with photographic attachments and all accessories</b>	<ul style="list-style-type: none"><li>• Compound Microscope should be <b>Inverted</b></li><li>• Should have Basic stand with LED illumination Four nosepiece with 20 mm Field of view</li><li>• Should have automatic adjustment of illumination to the contrast methods, <b>Auto-off function</b>, LED with service life of 50,000 hours, constant color temp.</li><li>• Should be supplied with Objective PLAN 4x, 10xPH1, <b>40X PH2 &amp; 100X PH3</b></li><li>• Should have <b>Auto adjustment of intensity changing from Bright field to Phase contrast</b></li><li>• Should have high</li></ul>	



Numerical Aperture 0.30 and long working 80mm Condenser.

- Should have infinity corrected (HCS) Optical system & Power Input: 100 – 240V AC, 50 / 60Hz Output: 5V DC
- Should have contrast methods: Transmitted light: Bright field, Phase Contrast
- Should have coarse and fine focusing system, travel range 9 mm, min. adjustment: 2  $\mu$ m
- Should have objective nosepiece: Manual, 4 position, for objectives with M25 thread
- Should have fixed stage: (L x W) 262 mm x 212 mm with universal specimen holders.
- Should have back port for camera to have minimum light travel path to

image port and an unobstructed view of stage with binocular tube.

- Should be Supplied along with high-resolution scientific (dedicated for microscopy use) Camera// Microscope Camera with Software // stand alone operation without any PC should be possible // High definition live image 1920x1080p, 30fps // JPG images with max. 1824x1368 pixels, 2.5 Mpixels // MP4 movie clips with max. 1920x1080 pixels, 2Mpixels // Camera control via computer (PC mode) or via remote control RC2 (HD mode), switchable // Capture of JPGs or MP4s directly to SD card // Display of images or

		<p>playback of movie clips directly on high-definition screen, without using a PC</p> <ul style="list-style-type: none"> <li>• Supply with a PC (1.0 TB HDD, 4.0GB RAM).</li> </ul>	
B.	<p><b>Gradient Thermal Cycler along with all accessories</b></p>	<ul style="list-style-type: none"> <li>• Gradient Thermal Cycler should have Peltier heating and cooling based system.</li> <li>• Should be supplied with <b>dual block</b> of 2 x 48 x 0.2ml which can be independently controlled.</li> <li>• The dual block should also have gradient capability which can be independently controlled for both the blocks at different times.</li> <li>• Only dynamic gradient technology will be accepted</li> <li>• A total of 16 gradient should be possible using both the blocks.</li> </ul>	

- Should also have an **option to add 96 X 0.2 ml Block or 384 Well Block.** All the blocks should have the gradient capability.
- Should have a maximum ramp rate of **5 degree C/second**
- Should have **adjustable heated lid**
- Should have block and calculated temperature control modes.
- Should have **protocol auto writer for easier programming to run a standard, fast or ultrafast protocol.**
- Should have a **temperature range of 0-100 degree C**
- Should have a temperature accuracy of  **$\pm 0.2$  degree C**
- Should have a **temperature uniformity of  $\pm$**

**0.4 degree C well to well within 10 seconds of arrival at 90 degree C and have 6 Thermoelectric modules.**

- **Should have a gradient range of 30-100 degree C and use dynamic ramping for gradient.**
- Should have a high resolution touch screen display with 6 USB ports for Protocol transfer and multiple connectivity.
- The system should be capable of **connecting Upto 32 PCR/Real Time PCR** and can be operated using a PC or directly from the PCR system.
- Should have a memory of **>1000 programs** with further expansion through a USB Flash drive for transfer of files.

- Option to protect files with optional log-in, restricted user privileges and secured mode for controlled environment should be there.
- Should have automatic option for graphical or text based programming
- The software should have exportable Run logs and system error logs
- The system should be capable of using through a PC or without it.
- It should be possible to control additional 3 cyclers through one instrument.
- Should be **upgradeable to a 6 Channel Real Time PCR with gradient capability.**
- Should have **O-ring seal to protect thermal electric modules.**

- Should be **licensed for Research and IVD Applications.**
- Should be supplied with a 2KVA Online UPS
- Should be supplied with **cooling system** (1.5 Ton capacity)
- Should be supplied with one **0.2 ml PCR tube** spinner (8000 rpm)
- Should be supplied with one **vortex** (Shaking Movement: Orbital; Run Type: Continuous/touch operation; Shaded-Pole Motor; Speed Range: 0-2500 rpm.).
- Should be supplied with sets of **Micropipettes** (Single channel & fully autoclaveable: Should have high accuracy and precision, also in repetitive, long-lasting pipetting. volume range: 0.1-

		2.5 µl, 0.5-10 µl, 10-100 µl)	
C.	<b>High speed refrigerated centrifuge</b>	<ul style="list-style-type: none"> <li>• Refrigerated Micro Centrifuge for 1.5ml / 2.0ml / 5.0ml/ 15ml/ 50ml tubes</li> <li>• Maximum Speed of 30,130xg /17500 rpm, with a brushless motor</li> <li>• Temperature range should be from -11°C to 40°C, should be able to maintain 4°C at maximum speed</li> <li>• Instrument should be supplied with an aerosol tight high speed rotor to accommodate <b>30 x 1.5ml/2ml tubes</b></li> <li>• Instrument should be supplied with an aerosol tight rotor including lid and adapter to accommodate <b>6 x 15 ml / 50 ml Falcon / Conical</b> tube for use with Centrifuge.</li> <li>• Rotor should be made of aluminum, rotor and rotor lid</li> </ul>	



should be autoclavable at 121°C for 20 mins

- Aerosol tightness of rotor should be certified by a third party agency
- Instrument should have an in-built condensate drain to prevent water accumulation
- It should be possible to perform a fast pre-cooling of the instrument using a dedicated Fast Temp function
- It should be possible to program fast cooling with preset date and time
- 50 programs storage memory with 5 quick access program keys should be available
- Speed setting should be possible in both rpm and rcf
- Should possess a separate short spin key for brief spin

- It should be possible to program compressor shut off after 8 hrs of non usage of the centrifuge
- Should have the flexibility to accommodate rotors for different formats of tubes starting from 0.2ml PCR tubes up to spin column tubes
- Instrument should have the possibility to use 15/50ml Conical tubes and Micro titer plates with dedicated rotor
- Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds upon rotor change
- Rotor lids should have a QuickLock-system for secure lid closing and opening
- It should be possible to

		<p>perform gentle acceleration and deceleration using dedicated key</p> <ul style="list-style-type: none"> <li>• Noise levels should be &lt;54 db(A)</li> <li>• Should have an “at set rpm” function which enables timer countdown to be started only after the set speed is reached</li> <li>• Instrument should be CE Certified and also have a IVD Conformity</li> <li>• Supply along with Micropipette set ( Single channel &amp; fully autoclaveable: Should have high accuracy and precision, also in repetitive, long-lasting pipetting. volume range: (06 nos: 0.5- 2 µl, 1-10 µl, 2-20 µl, 10-100 µl, 20-200 µl &amp; 100-1000 µl)</li> </ul>	
D.	<b>Gel electrophoresis assembly along with all accessories</b>	<ul style="list-style-type: none"> <li>• A midi horizontal electrophoresis system should be able to run the gel size of 15 x 7 cm,</li> </ul>	

and 15 X 10 cm.  
The system should be supplied with **15 X 10 & 7 X 7 cm** gel trays with Gel tank with safety lid.

- The supplied gel trays should be UV proof and the trays can be directly kept on the UV Transilluminator and should have a integrated fluorescent ruler in the tray. The ruler should get illuminated on exposure to UV Light for easy and safe calculation of the band movements.
- A system should include tape free gel casting module for leak free operations.
- A system should include two **1.5mm** combs, **8, 15 & 20** well fixed height combs each.
- A system should have the option for adjustable height

combs with comb holders.

- Migration rate of Bromophenol Blue dye should be similar to 4.5cm/hr(at 75 V).
- A system should have a lid with the safety banana Jacks, which breaks the circuit when the lid is running.
- Should be provided with a bubble leveler for even gel casting.
- The gel caster should have 3 height adjustable screws for balancing the uneven platforms for uniform gel casting.
- The electrodes should be color coded to remove the confusion of wrong orientation.
- The Lid should have a safety option so that the lid cannot be closed in the wrong orientation.

- The Lid should have an integrated cables to connect it to the power pac directly.
- **Power Supply Basic :**  
Programmable power supply should be capable to operate four electrophoresis units simultaneously for four identical runs with graphic LED display. **The output range should be 10-300 V , 0.4-400 mA, 1-75 W.** Constant voltage, current or Power with Automatic crossover. Memory storage: 9 programs , 9 steps, Timer Control : 99 hr, 59 min, Automatic Power up after Power failure, Safety features: No-load detection; sudden load change detection.
- Should be

		supplied with one micro oven (18-23 lts capacity).
E.	<b>Deep Freezer (-20<sup>0</sup>C)</b>	<ul style="list-style-type: none"> <li>• Capacity: Gross volume (litres) : 344 ; Net volume (litres) : 310</li> <li>• Dimension (Inches) WxDxH : 23x23x73</li> <li>• Temperature range : -16<sup>0</sup>C to -25<sup>0</sup>C</li> <li>• Power consumption per 24h, 1.45 kWh</li> <li>• Rated load, W (with R134a) : 180</li> <li>• Rated load, W (with R600a) : 140</li> <li>• Refrigerant R134a / R600a</li> <li>• Defrost : Manual</li> <li>• No of Baskets/Shelves: 8</li> <li>• Vertical &amp; Single door</li> </ul>
E.	<b>Gel Documentation System</b>	<p>- <b><i>Gel Doc System Hardware-</i></b></p> <ul style="list-style-type: none"> <li>• System should have <b>Image resolution &gt;4 mega pixels</b> for resolving closely spaced bands on a gel or blot.</li> </ul>

- System should have **4.6 x 4.6  $\mu\text{m}$  pixel size & >3.0 orders of linear dynamic range**
- System should be **completely automatic** & user does not have to zoom, focus, adjust aperture or select light source.
- System should be modular with **different sample trays** & flexible to image a wide variety of applications, including nucleic acid, visible dyes, SYBR safe and Stain Free Gels.
- System should have UV, White light, & optional Blue light.
- System should have **Stain-Free** capability for stain-free gels and blots. Should be supplied with 10% Stainfree Kits
- Sample trays should be customizable per



user and recognized automatically.

- System should require only one emission filter to accommodate a large portfolio of detection methods: ethidium bromide, SYBR® Green, SYBR® Safe, SYBR® Gold, GelGreen, GelRed, Fast Blast™, SYPRO Ruby, Flamingo™, Oriole™, CY3, rhodamine, green fluorescent protein, Hoechst, Krypton, silver stain, copper stain, zinc stain, Coomassie Brilliant Blue, Coomassie Fluor Orange, and other spectrally similar stains, labels, and dyes.
- Should have **lens flat-fielding calibration** for each sample tray to deliver image data that are

always optimized and reproducible without imaging artifacts, providing superior image uniformity and quantization

- System should be **compact with small footprint** and maximum size of WxLxH of 27 x44x 38 cm.
- Gel doc should have smart tray technology

***Gel Doc System Software-***

- Software should have highest level of automation in hardware calibration, image optimization, capture, and analysis.
- Should have automated workflow recorded in a protocol file from image capture to results thus eliminating need for training.
- Should allow 100% repeatability

of the workflow by any user and ensures optimized image data and analysis from a gel in a single uninterrupted, fast, and completely reproducible workflow.

- Should have automated image capture driven by a selected gel or blot application.
- Should have one-button acquisition from image capture to result.
- Should generate the publication ready images (dpi, dimension and format) with one click export option.
- Should generate customizable reports.
- Should have feature for Automatic print when only imaging and printing is required.
- Software should have easy copy/paste

		functionality, crop, zoom, 3D and colors. <ul style="list-style-type: none"><li>• Should be supplied with a PC &amp; UPS</li><li>• Supply with a colour printer</li></ul>	
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**N.B.-**

1. Quantity may be increased or decreased.
2. All the items will be considered together for acceptance.
3. All items to be supplied as per the Technical Specification specified by the Authority.
4. Items to be supplied in the Deptt. of Veterinary Public Health & Epidemiology, C. V. Sc. & A.H., R.K. Nagar, West Tripura, Tripura – 799008, India.



**ANNEXURE -IV**

**DECLARATION FORM**

I

/

We

.....  
.....having 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. Health Institutions 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  
UNDER THE DBT SPONSORED RESEARCH PROJECT  
ENTITLED “*Molecular mapping and epidemiology of  
caprine cryptosporidiosis in Tripura*” FOR THE  
DEPARTMENT OF VETERINARY PUBLIC HEALTH &  
EPIDEMIOLOGY (VPHE), COLLEGE OF THE  
VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST  
TRIPURA, DURING THE YEAR 2018-19, having office  
at \_\_\_\_\_ (Address of  
office) has a 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.