



*Government of West Bengal*

***DIRECTORATE OF ANIMAL RESOURCES & ANIMAL HEALTH***

*Office of the Jt. Director of ARD, Institute of Animal Health & Veterinary Biologicals (R&T),  
37, Belgachia Road, Kolkata-700 037*

.....

**E-Tender Helpdesk:** (033)2223-6236

**Tele-fax:** (033) 2556-5476

**E-MAIL:** iahvb.kolkata@rediffmail.com

**Log-on for submission:** <http://www.wbtenders.gov.in>

**Departmental Website:** <http://www.darahwb.org>

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|---|
| <p><b>SET OF TENDER DOCUMENTS FOR E-PROCUREMENT OF<br/>LABORATORY INSTRUMENTS, LAB. REAGENTS, LAB.<br/>KITS &amp; LAB. MOLECULAR REAGENTS</b></p> |
|---|

Each set contains:-

- (1) Notice inviting e-tender.
- (2) Catalogue along with specification.
- (3) Terms & conditions for submission of tender.
- (4) Annexure I to V.
- (5) Bill of quantities (BOQ).

|  |
|--|
| <b>LAST DATE FOR ONLINE SUBMISSION OF TENDER: 27<sup>th</sup> November, 2015 (upto 5 pm)</b> |
|--|

*Sd/-*

*(Dr. Rudradev Mukherjea)*

Joint Director of ARD, IAH & VB,  
Kolkata

**Firms located outside of the State of West Bengal must have to execute supply through their local branches of this State or through Authorized distributors of this State otherwise their tenders will not be accepted.**



Government of West Bengal

**DIRECTORATE OF ANIMAL RESOURCES & ANIMAL HEALTH**

Office of the Jt. Director of ARD, Institute of Animal Health & Veterinary Biologicals(R&T),  
37, Belgachia Road, Kolkata-700 037

**NOTICE INVITING E-TENDER FOR RATE CONTRACT FOR SUPPLY OF LAB. INSTRUMENTS, LAB. REAGENTS, LAB. KITS & LAB. MOLECULAR REAGENTS**

(Submission of bid through NIC e-tender portal <http://www.wbtenders.gov.in>)

NIT No. WBARD/IAHVB/NIT-01/T-1/ 15-16

Date of Issue: 29<sup>th</sup> October, 2015

The Joint Director of Animal Husbandry & Veterinary Services, Institute of Animal Health and Veterinary Biologicals, 37, Belgachia Road, Kolkata – 700 037 on behalf of the Governor to the State of West Bengal is going for e-tender for preparing the rate schedule of Laboratory instruments, Reagents, Glass wares, plastic wares, molecular biology reagents, laboratory kits etc. for the year 2015-16.

Online bids are invited only from Manufacturers/Authorised dealers/distributors for rate contract for supply of Laboratory Instruments & Reagents etc. to the Institute of Animal Health and Veterinary Biologicals, 37, Belgachia Road, Kolkata-37.

**Lab. instruments etc.**, as per catalogue enclosed, are classified in the following groups:

**Group-A- Laboratory Instruments**

| Sl. No. | Name of the Instrument  | Approx. Qty. to be procured* | Earnest Money to be deposited | Acc. Unit                     |
|---------|---|------------------------------|-------------------------------|-------------------------------|
| 1.      | WFI Unit  | 1 Pc                         | 20,000/-                      | Gr. A/Lab. inst./01 Pc/01     |
| 2.      | UPS 15 KVA on-line uninterrupted Power Supply                                       | 2 Pc                         | 7,000/-                       | Gr. A/ Lab. inst./01 Pc./ 02  |
| 3.      | Battery for UPS- 15 KVA on line   | 2 set                        | 3,000/-                       | Gr. A/ Lab. inst./01 set./ 03 |
| 4.      | UPS (Uninterrupted Power Supply) 5 KVA on line                                      | 2 Pc.                        | 5,000/-                       | Gr. A/ Lab. inst./01 Pc./04   |
| 5.      | Battery for UPS- 5 KVA on line  | 2 set                        | 2,000/-                       | Gr. A/ Lab. inst./01 set./ 05 |
| 6.      | Pilot Freeze Dryer  | 1 no.                        | 20,000/-                      | Gr. A/ Lab. inst./01 Pc./ 06  |
| 7.      | Clean room clogs with cuffs   | 10 packs                     | 8,000/-                       | Gr A/ Lab inst/100Pack/ 07    |
| 8.      | Programmable peristaltic pump   | 3 no.                        | 12,000/-                      | Gr. A/ Lab. inst./01 Pc./ 08  |
| 9.      | Thermo cycler with three independent blocks   | 1 no.                        | 11,000/-                      | Gr. A/ Lab. inst./01 Pc./09   |
| 10.     | Portable gel electrophoresis system with real time transilluminator                 | 1 no.                        | 2,000/-                       | Gr. A/ Lab. inst./01 Pc./10   |
| 11.     | Research adjustable volume 8 channel pipettes, Autoclavable with tip box 1-10 µL    | 3 no.                        | 1,000/-                       | Gr. A/ Lab. inst./01 Pc./11   |
| 12.     | Research adjustable volume 8 channel pipettes, Autoclavable with tip box, 5-50 µL   | 3 no.                        | 1,000/-                       | Gr. A/ Lab. inst./01 Pc./12   |
| 13.     | Research adjustable volume 8 channel pipettes, Autoclavable with tip box, 30-300 µL | 3 no.                        | 1,000/-                       | Gr. A/ Lab. inst./01 Pc./13   |

**Group-B: Laboratory Reagents & Other Glass/ Plastic materials**

|    |  |                |          |                             |
|----|--|----------------|----------|-----------------------------|
| 1. | Polypropylene bottle Autoclavable with rubber stopper & aluminium cap                    | 80, 000 pcs    | 9,000/-  | Gr. B/Lab. Regt./ Pc./01    |
| 2. | Neutral Glass vial with Neoprene Rubber cap and Aluminium caps (coloured and non colour) | 3, 50, 000 pcs | 20,000/- | Gr. B/Lab. Regt./Pc./02     |
| 3. | Syringe Filter (Membrane Filter)   | 100 pack       | 14,000/- | Gr. B/Lab. Regt./50 pc./03  |
| 4. | Tissue Culture (TC) Flask with filter cap  | 360 Pcs.       | 5,000/-  | Gr. B/Lab. Regt./18 pc./04  |
| 5. | Tissue Culture (TC) Flask without filter cap   | 180 pcs.       | 2,000/-  | Gr. B/Lab. Regt./18 pc./05  |
| 6. | Thioglycollate Broth (BQ vaccine Media)  | 250 pkt.       | 10,000/- | Gr. B/Lab. Regt./01 Bot./06 |

**Continued on Page-2**

| Sl. No.                          | Name of the Instrument   | Approx. Qty. to be procured* | Earnest Money to be deposited | Acc. Unit                                     |
|----------------------------------|--|------------------------------|-------------------------------|---|
| 7.                               | Standard Nutrient Broth (HS Vaccine Media)                           | 300 pkt.                     | 15,000/-                      | Gr. B/Lab. Regt./01 Bot./07                   |
| 8.                               | Formaldehyde 37% (formalin)  | 200 bot.                     | 8,000/-                       | Gr. B/Lab. Regt./01 Bot./08                   |
| 9.                               | Glycerol-98% Purified  | 10 jar                       | 1,500/-                       | Gr. B/Lab. Regt./01 Bot./09                   |
| 10.                              | Aluminum Hydroxide Gel (3 % W/V, Liquid type) pH-7                   | 300 lt.                      | 10,000/-                      | Gr. B/Lab. Regt./01 Bot./10                   |
| 11.                              | Yeast Extract Powder   | 100 pkt.                     | 3,000/-                       | Gr. B/Lab. Regt./01 Bot./11                   |
| 12.                              | EMEM   | 200 lit.                     | 1,500/-                       | Gr. B/Lab. Regt./10 vial /12                  |
| 13.                              | L-Glutamine  | 200 vials                    | 3,000/-                       | Gr. B/Lab. Regt./10 vial/13                   |
| 14.                              | EMEM with L-Glutamine  | 30 vials                     | 3,000/-                       | Gr. B/Lab. Regt./10 vial/14                   |
| 15.                              | Foetal bovine serum  | 10 vial                      | 8,000/-                       | Gr. B/Lab. Regt./bottle/15                    |
| 16.                              | 20 µL aerosol barrier tips with clips                                | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./96 X 10 boxes/16             |
| 17.                              | 50 µL aerosol barrier tips with clips                                | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./96 X 10 boxes/17             |
| 18.                              | 300 µL aerosol barrier tips with clips                               | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./96 X 10 boxes/18             |
| 19.                              | 10 µL aerosol barrier tips   | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./1000tips pack/19             |
| 20.                              | 20 µL aerosol barrier tips   | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./1000tips pack/20             |
| 21.                              | 200 µL aerosol barrier tips  | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./1000tips pack/21             |
| 22.                              | 1000 µL aerosol barrier tips   | 10 packs                     | 1,000/-                       | Gr. B/Lab. Regt./1000tips pack/22             |
| 23.                              | White strip tubes with flat caps for Lightcycler 96/ lightcycler 480 | 10 boxes                     | 2,000/-                       | Gr. B/Lab. Regt./120 strips box/23            |
| <b>Group-C : Laboratory Kits</b> |  |                              |                               |   |
| 1.                               | Classical Swine Fever Antibody ELISA test kits                       | 01 pack                      | 3,000/-                       | Gr. C/Lab. Kit./1kit/01                       |
| 2.                               | Peste des Petit Ruminant (PPR) Competition ELISA kit                 | 10 pack                      | 4,000/-                       | Gr. C/Lab. Kit./1 kit/02                      |
| 3.                               | Brucella antibody ELISA test kit                                     | 05 packs                     | 14,000/-                      | Gr. C/Lab. Kit./1 kit/03                      |
| 4.                               | Bovine Viral Diarrhoea virus (BVDV) antigen ELISA test kit           | 04 packs                     | 9,000/-                       | Gr. C/Lab. Kit./1 kit/04                      |
| 5.                               | IBR gE antibody ELISA test kit                                       | 05 packs                     | 10,000/-                      | Gr. C/Lab. Kit./1 kit/05                      |
| 6.                               | RT PCR kit   | 2 packs                      | 2,000/-                       | Gr. C/Lab. Kit./1kit/06                       |
| 7.                               | Quantitative(q) PCR mastermix kit containing UDG                     | 8 kits                       | 10,000/-                      | Gr. C/Lab. Kit./ 500 Reaction/Kits/ 07        |
| 8.                               | DNA purification kit for whole blood and tissue                      | 2 packs                      | 3,000/-                       | Gr. C/Lab. Kit./ 250 purification / 1 kit /08 |
| 9.                               | Viral RNA purification kit   | 2 packs                      | 2,000/-                       | Gr. C/Lab. Kit./ 50 purification /1kits/09    |
| 10.                              | Rapid AIV Antigen Detection Kit                                      | 10 kits                      | 3,000/-                       | Gr. C/Lab. Kit /30 tests/pack/10              |
| 11.                              | Rapid IBD Virus Antigen Test Kit                                     | 4 kits                       | 1,000/-                       | Gr. C/Lab. Kit /10 tests/kit/11               |
| 12.                              | Rapid NDV Antigen Test kit   | 10 packs                     | 3,000/-                       | Gr. C/Lab. Kit /10 tests/pack/12              |
| 13.                              | AIV antibody ELISA Kits  | 20 kits                      | 4,000/-                       | Gr. C/Lab. Kit / 480 test /Kit/13             |
| 14.                              | Rapid AIV subtype H5 antigen detection kit                           | 12 kits                      | 3,000/-                       | Gr. C/Lab. Kit / 25 test /Kit/14              |
| 15.                              | Avian Infectious Bronchitis Virus, Rapid test kits                   | 4 kits                       | 2,000/-                       | Gr. C/Lab. Kit t/ 10 test /Kit/15             |
| 16.                              | Mycobacterium tuberculosis PCR kit                                   | 2 packs                      | 1,000/-                       | Gr. C/Lab. Kit /25 tests/pack/16              |
| 17.                              | CCPP Ag ELISA test kit   | 2 packs                      | 4,000/-                       | Gr. C/Lab. Kit /96 tests/pack/17              |
| 18.                              | Goat Pox virus Ag ELISA test kit                                     | 1 pack                       | 2,000/-                       | Gr. C/Lab. Kit /96 tests/pack/18              |

| Group-D: Laboratory Molecular Reagents             |   |  |                               |                                     |
|--|---|--|-------------------------------|-------------------------------------|
| Sl. No.  | Name of the Instrument                        | Approx. Qty. to be procured*                         | Earnest Money to be deposited | Acc. Unit                           |
| 1.   | Basic synthesis(Per base charges) for Primers | 20 vials   | 1,000/-                       | Gr. D/Lab. Regt./1 vial/1           |
| 2.   | Probe   | 15 vials   | 10,000/-                      | Gr. D/Lab. Regt./1vial/2            |
| 3.   | Probe   | 10 vials   | 10,000/-                      | Gr. D/Lab. Regt./1 vial /3          |
| 4.   | Primer, forward and reverse                   | 15 vials   | 1,000/-                       | Gr. D/Lab. Regt./ 2 vials /4        |
| 5.   | Rnase removal solution                        | 10 bottles   | 3,000/-                       | Gr. D/Lab. Regt./1 bottle/5         |
| 6.   | DNA removal solution                          | 10 bottles   | 2,000/-                       | Gr. D/Lab. Regt./2 bottles/6        |
| 7.   | Purple nitrite gloves                         | 20 boxes   | 2,000/-                       | Gr. D/Lab. Regt./100 Pcs./box/7     |
| 8.   | Chelex 100                                    | 4 bottles  | 2,000/-                       | Gr. D/Lab. Regt./100 g./bottle/8    |
| 9.   | Proteinase K                                  | 10 vials   | 2,000/-                       | Gr D/Lab Regt./5 ml/vial/09         |
| 10.  | DL-Dithiothreitol                             | 5 packs  | 2,000/-                       | Gr D/Lab Regt/25 ml/vial /10        |
| 11.  | Sterile wipes                                 | 10 packs   | 1,000/-                       | Gr. D/Lab. Regt./100 pcs./pack /11  |
| 12.  | Sterile, Nuclease free water                  | 10 bottles   | 1,000/-                       | Gr. D/Lab. Regt./500 ml. bottle /12 |
| Group-E-Avian Influenza Control, Containment items |   |  |                               |                                     |
| 1.   | PPE Kit                                       | Qty. can only be ascertained after outbreak, if any. | 10,000/-                      | Gr. E/AI/10 pcs./pack /1            |

\* Quantity to be procured (approx. as mentioned above) will depend upon availability of fund.

**N.B. \*Catalogue of Laboratory instruments / Reagents / Kits etc. along with specification and packing unit is attached.**

- Offered rate should remain valid for a period of one year from the date of acceptance of the tender and any extended period, if situation arises.
- Necessary Earnest Money Deposit or valid exemption certificate along with mandatory documents in Statutory & non-statutory cover are to be uploaded for participation in the tender.
- After publication of the N.I.T. in the newspapers, detailed catalogue along with terms & conditions, BOQ (Bill of Quantities) may be obtained from the Website <http://www.wbtenders.gov.in> at free of cost.
- Tenders will be floated in two parts – one Technical Bid for technical proposal (mandatory documents in Statutory & non-statutory cover) and other for Financial Bid for quoting rate & VAT (whole amount) in BOQ's in dedicated column.
- Submission of on-line tender may be made by the bidder with the help of Digital Signature Certificate (DSC).
- The software shall make automatic encryption of the technical bid as well as financial bid. No one will be able to open these two bids prior to schedule date & time as fixed by the undersigned.
- After evaluation of technical bid, those who will technically qualify, their financial bid will be opened for evaluation.
- Disclosure of rate other than BOQ will disqualify the bidder.
- On-line bid submission will start on **6<sup>th</sup> November, 2015 at 2 pm** in the e-tender portal viz. <http://wbtenders.gov.in>.
- Earnest Money Deposit should be submitted physically on or before **4<sup>th</sup> December, 2015 at the Office of the Jt. Director, 37, Belgachia Road, Kolkata-37 up to 4 pm.**

**Continued on Page-3**

11. Sample along with Literature of quoted item/s should be submitted physically before sample selection committee on stipulated date, place & time that will be communicated later on.
12. Online bids in two parts i.e. Technical Bid (Part-I) & Financial Bid (Part-II) are to be submitted **up to 5 pm on 27<sup>th</sup> November, 2015** for the aforementioned N.I.T.
13. Technical Bid Opening Date is tentatively fixed at **11 am on 4<sup>th</sup> December, 2015**. Other activities i.e. date of uploading List of Technically qualified bidders, date of opening of financial bid etc. will be communicated later on.
14. The above schedule is fixed, however, the undersigned reserves the right to change the date of activities in case of any exigencies through a notice in the departmental website viz. [www.darahwb.org](http://www.darahwb.org) & Notice Board at above addressed office.

The entire tender documents including N.I.T, terms & conditions for submission of tender and BOQs are part & parcel of the tender.

The Bidder should abide by all the tender terms & condition and upload the same as a token of acceptance.

The undersigned reserves the right to reject and/or cancel all tenders at any stage without assigning any reason thereof and will not bound to accept lowest bid.

*Sd/-*

*(Dr. Rudradeb Mukherjee)*

Joint Director of ARD, IAH & VB, Kolkata

**ANNEXURE-I****Application Format**

**(To be furnished in the Company's Official Letter Head Pad with full Address with contact no. Phone/Mobile no. FAX No., e-mail Address, Website etc.)**

Ref. No. \_\_\_\_\_

Dated \_\_\_\_\_

To  
The Joint Director of ARD,  
Government of West Bengal,  
IAH & VB (R & T).  
37, Belgachia Road,  
Kolkata-700 037

**Sub: NIT for Supply of Lab Instruments for the Institute of  
Animal Health and Veterinary Biologicals, Kolkata.**

Sir,

With reference to your N.I.T., I am/We are furnishing my/our rates for the item tendered for as per your specification, terms & conditions.

Should this tender be accepted, I/We hereby agree to abide by & fulfil all the terms & conditions laid down in the N.I.T. and the particulars available in the Tender Notice & the details given in the specification/ Description or in default thereof to forfeit & pay the Governor of the state of West Bengal, or his successor in office the penalties/sums/or of money that may be imposed by the Joint Director, ARD, I. A. H. & V. B., Kolkata, the earnest money deposited herewith or from other money deposited by me/us or from the bills that will be payable to me/us for the supplies to be made.

I/We also agree that the decision of the Joint Director, ARD, I. A. H. & V. B., Kolkata in all matters in respect of this tender will be final & binding on me.

I/We also agree to execute on being called upon to enter into a formal agreement embodying the terms & conditions contained herein &/or on usual terms & conditions & on default on my/our doing so, the Earnest Money deposited by me/us will liable to be forfeited.

Yours faithfully,

Date:

Signature &amp; office seal:

Name of the Firm:

Address with PIN:

**ANNEXURE-II****CHECK-LIST**

| <b>Sl.</b> | <b>Name of the documents</b>  | <b>Yes/<br/>No</b>                                   | <b>Page No.</b> |
|------------|---|--|-----------------|
| 1.         | Application form duly signed whether uploaded (ANNEXURE-I).   |  |                 |
| 2.         | Check List duly signed whether uploaded (ANNEXURE-II).  |  |                 |
| 3.         | Earnest Money Deposit whether uploaded ( <b>Stipulated amount has to be deposited separately for each item</b> )  |  |                 |
| 4.         | Valid Exemption Certificate for Earnest Money Deposit <u>only for listed items</u> issued under Price Preference Rules & Registration Certificate for SSI units of WB from DIC whether uploaded.  |  |                 |
| 5.         | Self-attested photocopy of Latest (renewed & up-to-date) Manufacturing License for the products from manufacturer. Authorised distributor will have to produce documentary evidence from Original Equipment Manufacturer (OEM).   |  |                 |
| 6.         | Self declaration having 5 (Five) years manufacturing & marketing experience (only O.E.M.) [For authorized distributor/dealer only marketing experience of 5 years is required] whether uploaded.  |  |                 |
| 7.         | ORIGINAL IT Return for two years i.e. 2013-14 & 2014-15 whether uploaded.   |  |                 |
| 8.         | Certificate (ANNEXURE-III) issued by Registered Chartered Accountant stating Average Annual Turnover of OEM &/or Authorised Distributor / dealer at least <b>Rs.50,00,000/- (Rupees Fifty) Lakhs in last two consecutive years</b> (2013-14 & 2014-15) for participants of Group A articles |  |                 |
| 09.        | Affidavit of Self-declaration of the bidder for neither neither blacklisted nor suspended for quoted items (ANNEXURE-IV).   |  |                 |
| 10.        | List of items quoted whether uploaded (Annexure-V)  |  |                 |
| 11.        | Literature for the quoted items whether uploaded.   |  |                 |
| 12.        | GMP &/or ISO certificates, if any, whether uploaded.  |  |                 |
| 13.        | Agreement between Manufacturer & Distributor (for the firms located outside the State of West Bengal) on Non-judicial Stamp Paper worth Rs.10/- whether uploaded.   |  |                 |
| 14.        | Scanned original Trade License whether uploaded.  |  |                 |
| 15.        | Scanned original PAN whether uploaded.  |  |                 |
| 16.        | Scanned original VAT/Sales Tax Registration Cert. whether uploaded  |  |                 |
| 17.        | Digitally signed N.I.T. as a token of acceptance whether uploaded   |  |                 |
| 18.        | Name & Specimen Signature of office of the company who is authorized to make correspondence   | Name<br><br><hr/> Specimen<br>Signature<br><br><hr/> |                 |

Date:

Signature of the bidder with official seal

**ANNEXURE-III**

**ANNUAL TURNOVER CERTIFICATE**

The Annual Turnover of M/s. \_\_\_\_\_

Address \_\_\_\_\_ for the past two years are given below and certified that the statement is correct as per the records.

| Sl. No. | Year      | Turnover<br>(Rs. in lakhs) | Rupees in words |
|---------|-----------|----------------------------|-----------------|
| 1.      | 2013-2014 |                            |                 |
| 2.      | 2014-2015 |                            |                 |

Date:

Signature of the Registered Chartered Accountant

Seal:



**ANNEXURE- IV**

**AFFIDAVIT**

**D E C L A R A T I O N**

I/ We \_\_\_\_\_ the  
Proprietor/ Authorized nominee(s) of the Firm M/s.  
\_\_\_\_\_ hereby declare that, our  
Firm/Products have not been black listed/ suspended for the year  
2013-2014 and 2014-2015 and till date.

That, I am/ we are well acquainted with the facts about the  
firm/products. I may be punished as per law for any wrong  
information, misleading facts provided in this regard.

Place:

Date:

Signature of the Bidder with Seal

TO BE UPLOADED

## **ANNEXURE-V**

### **PROFORMA FOR LIST OF ITEMS QUOTED**

| <b>Sl. No.</b> | <b>Name of the Bidder</b> | <b>Name of Manufacturer &amp; manufacturing license no. &amp; date</b> | <b>Group &amp; Item No. as per Catalogue</b> | <b>Nomenclature with Description as per Catalogue</b> | <b>Accounting unit &amp; Packing as per Catalogue</b> | <b>Trade Name/ Brand Name of the quoted items</b> |
|----------------|---------------------------|--|--|---|---|---|
| <b>(1)</b>     | <b>(2)</b>                | <b>(3)</b>   | <b>(4)</b>                                   | <b>(5)</b>  | <b>(6)</b>  | <b>7</b>  |
|                |                           |  |  |   |   |   |

***Signature of the Bidder with seal***

***Name of Firm:***

Date:

Place:



Government of West Bengal

## **DIRECTORATE OF ANIMAL RESOURCES & ANIMAL HEALTH**

Office of the Jt. Director of ARD, Institute of Animal Health & Veterinary Biologicals(R&T),  
37, Belgachia Road, Kolkata-700 037

.....  
**TERMS & CONDITIONS FOR SUBMISSION OF ONLINE BID FOR RATE CONTRACT FOR  
SUPPLY OF LAB. INSTRUMENTS, LAB. REAGENTS, LAB. KITS & LAB. MOLECULAR  
REAGENTS Etc. AGAINST NIT # WBARD/IAHVB/NIT-01/T-1/ 15-16 dated 29.10.2015.**

### **1. ACTIVITIES**

- 1.1. On-line bid submission will start on **6<sup>th</sup> November, 2015 at 2 pm** in the e-tender portal viz. <http://wbtenders.gov.in>
- 1.2. Earnest Money Deposit along with Sample/Product Literature should be submitted physically **on or before 4<sup>th</sup> December, 2015 up to 4 pm** at the office of the Joint Director, IAH & VB, 37, Belgachia Road, Kolkata-700 037.
- 1.3. Online bids in two parts i.e. Technical Bid (Part-I) & Financial Bid (Part-II) are to be submitted up to 5 pm on 27<sup>th</sup> November, 2015 for the aforementioned N.I.T.
- 1.4. Technical bid opening date is tentatively fixed at **11 am on 4<sup>th</sup> December, 2015**. Other activities i.e. corrigendum, if any, date of uploading list of technically qualified bidders, date of opening of financial bid etc. will be communicated later on.
- 1.5. The above schedule is fixed, however, the undersigned reserves the right to change the date of activities in case of any exigencies through a notice in the departmental website viz. [www.darahwb.org](http://www.darahwb.org) & Notice Board at above addressed office.

### **2. INSTRUCTION TO BIDDERS**

- 2.1. Intending bidders may download & upload the tender documents free of cost from the website <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate.
- 2.2. Intending bidder may obtain Digital Signature Certificate from the approved service provider of Govt. of India.

### **3. ELIGIBILITY CRITERION**

- 3.1. Only Original manufacturers having valid manufacturing licence/ or Authorised Distributors/Dealers possessing power of attorney from OEM across the country or in Eastern region are eligible to participate in the tender for Group A only.
- 3.2. Only Original manufacturers having valid manufacturing licence or Authorised Distributors/Dealers having documentary evidence are eligible to participate in the tender for Group B, C, D & Group E only.
- 3.3. Original Manufacturer means a person or firm having its own unit that performs all the manufacturing & processing operations needed to produce items listed in tender.
- 3.4. Original Manufacture including SSI having minimum five years manufacturing & marketing experience is only eligible.
- 3.5. Authorized Distributor/Dealer including SSI having minimum five years marketing experience is only eligible.

### **4. SUBMISSION OF ON-LINE TENDER**

- 4.1. Tenders have to be submitted Online in two parts i.e. Technical Bid (Part-I) & Financial Bid (Part-II) in e-tender portal <http://wbtenders.gov.in> by using DSC.
- 4.2. All the desired documents have to be uploaded in Technical Bid (Part-I).
- 4.3. Eligibility of opening the Financial Bid (Part-II) for finalization of firms & rates will depend on the outcome of the documents uploaded in the Technical Bid (Part-I).
- 4.4. The Financial Bid shall consist of only the details of rates offered.
- 4.5. The intending bidders may pl. note that all the columns in the technical bid are to be filled meticulously with precision with documentary evidence wherever necessary.

**Continued on Page-2**

**5. APPLICATION FORMAT & CHECK-LIST**

- 5.1. Prescribed application format is to be uploaded (ANNEXURE-I) duly filled in, signed and affix with the seal of firm by indicating full communicating address with PIN, Telephone, Fax, E-mail address, Website number, NIT number and date.
- 5.2. Prescribed Check-list (ANNEXURE-II) should be properly filled in & uploaded.

**6. DOCUMENTS TO BE UPLOADED IN TECHNICAL BID**

- 6.1. All the required documents are to be arranged serially. Serial Number of each document should be indicated on the right side top corner and uploaded in e-tender portal <http://wbttenders.gov.in>.
- 6.2. All the uploaded documents shall be English or Hindi. If any document produced in language other than English and Hindi, translation copies of such document in English shall be uploaded duly attested alongwith the seal by a Gazetted Officer. Failure to submit English Translation shall make the tender invalid.
- 6.3. All original documents are to be produced at the time of scrutiny, when asked for.
- 6.4. In the event of failure to upload any required document, the bid shall become invalid. No documents will be accepted physically save & except EMD & Sample/ Literature.
- 6.5. Disclosure of rate/discounts/special offers in the Technical Bid will be treated as disqualification & such offers will be rejected.
- 6.6. The bidder should sign every page of tender terms & conditions & upload in the e-tender portal as a token of acceptance.
- 6.7. **Intending bidders should upload the following documents.**

| Sl.                            | Name of the documents  | Yes/<br>No | Page<br>No. |
|--------------------------------|--|------------|-------------|
| <b>BID-A STATUTORY COVER</b>   |  |            |             |
| 1.                             | Application form duly signed whether uploaded (ANNEXURE-I).  |            |             |
| 2.                             | Check List duly signed whether uploaded (ANNEXURE-II).   |            |             |
| 3.                             | Earnest Money Deposit whether uploaded (Stipulated amount has to be deposited <b>separately for each item</b> )  |            |             |
| 4.                             | Valid Exemption Certificate for Earnest Money Deposit <u>only for listed items</u> issued under Price Preference Rules & Registration Certificate for SSI units of WB from DIC whether uploaded.   |            |             |
| 5.                             | Self-attested copy of latest(renewed & up-to-date)Manufacturing License for the products from manufacturer. Authorised distributor will have to produce documentary evidence from Original Equipment Manufacturer.   |            |             |
| 6.                             | Self declaration having 5 (Five) years manufacturing & marketing experience (only O.E.M.) [For authorized distributor/dealer only marketing experience of 5 years is required] whether uploaded.   |            |             |
| 7.                             | Original IT Return for 2 years i.e. 2013-14 & 2014-15 whether uploaded.  |            |             |
| 8.                             | Certificate (ANNEXURE-III) issued by Registered Chartered Accountant stating Average Annual Turnover of OEM &/or Authorised Distributor/ dealer at least <b>Rs.50,00,000/- (Rupees Fifty)Lakh in last 2 consecutive years</b> (2013-14 & 2014-15) for participants of Group A articles only. |            |             |
| 9.                             | Affidavit of Self-declaration of the bidder for neither neither blacklisted nor suspended for quoted items (ANNEXURE-IV).  |            |             |
| 10.                            | List of items quoted whether uploaded (Annexure-V)   |            |             |
| 11.                            | Digitally signed N.I.T. as a token of acceptance whether uploaded  |            |             |
| 12.                            | Agreement between Manufacturer & Distributor (for the firms located outside WB)on Non-judicial StampPaper worth R.10/-whether uploaded   |            |             |
| <b>NON STATUTORY DOCUMENTS</b> |  |            |             |
| 15.                            | Scanned original Trade License whether uploaded.   |            |             |
| 16.                            | Scanned original PAN whether uploaded.   |            |             |
| 17.                            | Scanned original VAT/Sales Tax Registration Cert. whether uploaded   |            |             |
| 18.                            | GMP & /or ISO certificates if any whether uploaded.  |            |             |
| 19.                            | Literature for the quoted items whether uploaded.  |            |             |

## 7. SUBMISSION OF FINANCIAL BID

- 7.1. The offered rates for various items should be quoted in BOQ (Bill of Quantities) i.e. Financial Bid (Part-II) in the dedicated column & to be uploaded separately.

## 8. EARNEST MONEY DEPOSIT

- 8.1. Unless the bidder is exempted under existing orders of the Govt. of WB or Govt. of India, Earnest Money Deposit @ stipulated rate separately for each item of will have to be submitted in Demand Draft/Pay Order/Bankers' Cheque *on any nationalized bank in favour of Joint Director, ARD, Institute of Animal Health & Veterinary Biologicals, Kolkata* in sealed envelope superscribing N.I.T. no. which will contain a forwarding letter wherein detail of earnest money deposits is to be clearly mentioned against each item quoted should tally the number of EMD. The said bank instrument (EMD) is to be uploaded online & the same should be submitted physically on or before **4<sup>th</sup> December, 2015 up to 4 pm** at the office of the Joint Director, IAH & VB, Kolkata, 37, Belgachia Road, Kolkata-37.
- 8.3. Those who are exempted from depositing of earnest money, will have to upload the ORIGINAL exemption certificate issued by the competent authority. Onus of proving that a bidder is exempted from deposition of earnest money will be on the bidder & MUST be proved by submission of valid document to that effect e.g. Small Scale Industries of the State of WB should furnish EM (Part-II), Acknowledgement thereof and Declaration of Product, Plant & Machinery Investment issued by D.I.C., Govt. of West Bengal or NSIC Certificate issued by Govt. of India etc.
- 8.4. The list of product manufactured & approved by NSIC/SSI Registration authority will **only** be considered for exemption from depositing of earnest money and those listed items will **only** come under zone of consideration of price preference. If any bidder quoted products other than those covered under NSIC/SSI Registration should accompany EMD. Authorized Officers of the undersigned may visit factory.
- 8.5. In no circumstances Cash, G.P. Notes, Account Payee Cheque, Savings Bank Pass Book, Fixed/Term/Special Term Deposit Receipt, Token of RBI etc. save and except those bank instruments mentioned in Clause No. 8.1.
- 8.6. The Earnest Money Deposit shall not carry interest and Earnest Money Deposit of previous tender will not be adjusted or considered for this tender. Earnest Money Deposited before the date of issue of this N.I.T. will not be accepted. Tender uploaded without earnest money deposit or valid exemption certificate will be summarily rejected. Tender received without EMD will be rejected.
- 8.7. Earnest Money of successful bidder will be retained during the tenure of tender and extension, if there be any, and for such retention no interest shall be payable.
- 8.8. If the validity of SSI registration is going to expire within tender/contract period, the bidder should produce the certificate to this effect to the undersigned. Registration of SSI unit after the submission of tender will not entitle the bidder to exemption from payment of Earnest Money.

## 9. IT RETURN & ANNUAL TURNOVER REQUIREMENT

- 9.1. ORIGINAL IT Return for two years i.e. 2013-14 & 2014-15 are to be uploaded.
- 9.2. ANNEXURE-III issued by Registered Chartered Accountant stating Average Annual Turnover of OEM/or Authorised Distributor Rs.50,00,000/- (Rupees Fifty) Lakhs is to be uploaded for Group-A Items only.
- 9.3. Participants below the said stricture are not eligible and their offer will be rejected.

## 10. MANUFACTURING LICENSE

- 10.1. Latest manufacturing license which is in vogue shall be uploaded. Authorised distributor/dealership certificate from OEM shall be uploaded.
- 10.2. For all imported products, self-attested photocopy of valid import license issued by competent authority in India, Bill of Entry, Invoice of overseas supplier & Certificate of Origin shall be uploaded. In case of imported items, license for sell in India issued concerned licensing authority duly attested shall also be uploaded.

**Continued on Page-4**

**11. G.M.P. &/or ISO CERTIFICATE**

- 11.1. The bidder has to upload ORIGINAL valid and latest Good Manufacturing Practice Certificate &/or ISO certificate.

**12. APPOINTMENT OF DISTRIBUTOR**

- 12.1. Firms located outside of the State of West Bengal, legal document(to be made on on-judicial stamp paper worth Rs.10/-) is to be uploaded regarding appointment of distributor, if manufacturer or bidder wants to supply through distributor, otherwise their tender will not be accepted. Distributor means authorised distributor who shall facilitate the process of collection of order, ensuring timely supply & collecting payment on behalf of the manufacturer.

**13. PERIOD OF RATE CONTRACT**

- 13.1. Rate quoted shall hold well for **ONE YEAR** from the date of approval of rate by the tendering authority and/or any extended period, if situation arises.
- 13.2. They must supply the items at the approved rates within the validity period and refusal to supply will be dealt with as per tender rules.

**14. SALES TAX/VAT REGISTRATION CERTIFICATE**

- 14.1. Each bidder should upload Original Sales Tax/VAT Registration Certificate obtained from competent authority. If the bidder is exempted from Sales Tax/VAT, they should upload exemption Certificate obtained from competent authority. Uploaded Sales Tax/VAT Clearance Certificate should be issued not earlier than immediate preceding financial year. Certificate older than that shall not considered.

**15. PAN**

- 15.1. Original PAN card issued by competent authority is to be uploaded.

**16. SELF-DECLARATION**

- 16.1. Self declaration having 5 (Five) years manufacturing & marketing experience for Original Equipment manufacturer(OEM) & self declaration having 5 years marketing experience for Authorized Distributor/Dealer.
- 16.2. Each bidder should upload self-declaration for quoted items which are 'NEITHER BLACKLISTED NOR SUSPENDED' as per ANNEXURE-IV.

**17. LIST OF QUOTED ITEMS AND SAMPLE SUBMISSION**

- 17.1. Each bidder will have to upload the list of quoted items (Annexure-V). Product Literature for all the quoted items should be uploaded.
- 17.2. The samples of the quoted items shall be submitted in original before the sample selection committee for inspection and selection on scheduled date and time for which prior intimation through letter will be given through Post which will be communicated later on.
- 17.3. However, exemption from submission/presentation of sample will only be entertained for certain specified and sensitive products as the undersigned may deem fit & proper.
- 17.4. The bidders should arrange supplies according to sample/literature approved and retained at the Institute of Animal Health & Veterinary Biologicals (R&T), 37 Belgachia Road, Kolkata-37.
- 17.6. The non-approved sample will be returned to the respective firms at their own expense. The same will have to take back positively within 15 (fifteen) days from the date of communication failing which their claim of return may not be entertained.

- 17.7. The sample & literature will be examined by our technical experts. Technical Evaluation Committee shall have the right to cross-verify the document as well as product provided in the technical bid before qualifying the firm to be placed before the Tech. Evaluation Committee. The Tech. Evaluation Committee may visit the premises of the participating firm & inspect the manufacturing, analytical & other facilities to arrive the decision regarding the finalization of bid.
- 17.8. In case, Sample or Literature is approved, one set of such sample and Product Literature shall have to be kept with this Directorate during the tenure of the tender. Supply should be made according to the approved sample/ literature.

**18. RATE**

- 18.1. Rate(s) inclusive delivery (F.O.R. destination), Excise duty, Entry Tax & all other incidental charges e.g. loading/unloading, installation, insurance, packaging etc. and **3 years comprehensive warranty (for Instruments of Group A only)** at the IAH&VB., Kolkata as mentioned in NIT shall be specified. VAT should be mentioned separately in whole amount in the dedicated column of BOQ.
- 18.2. The rate(s) is/are to be quoted in the specified BOQ (Bill of Quantities), in INR (Indian Rupees and Paisa), in NET in decimal coinage only. The authority does not guarantee purchase of all the items mentioned in the catalogue since it depends upon the actual requirement & availability of fund. Hence, rate should be quoted accordingly.
- 18.3. The composition, strength, packing specifications and unit of pack are to be clearly indicated in the catalogue. **The details of specification of the item for which rate quoted by the bidder in the BOQ must be obtained from the catalogue mentioned in NIT.** The bidder shall offer their rate ONLY for specified composition & packing. Products offered which do not conform the composition, strength, packing specifications and unit of pack shall not be considered. Therefore, the bidders are requested to go through all such specifications before quoting their rates.
- 18.1. Enhancement of rate, under no circumstances, will be accepted after date of closing of on-line bid submission, whatever the reason thereafter except any tax imposed by the Govt. Self-attested photocopy of Govt. Order in this respect is to be submitted while claiming such increase. However, such claim will be decided by the undersigned based upon the merit of each case.
- 18.2. If there is any reduction of duties, such as excise duties or Govt. Tax imposed by Govt. or statutory bodies and or Price compared to the rate as on the date of tender, the benefit will accrue to the Govt.
- 18.3. Abnormally low rate of any items quoted by the bidder in the offer without sufficient reason of such low rate, if detected will not be accepted. The undersigned reserves the right to reject any or all of the tenders at any stage without assigning any reason thereof.
- 18.4. The rate(s) quoted by the bidder shall not exceed the controlled rate(s) if the Govt. controlled rate(s) are in force on the date of uploading of tender. In the absence of controlled price, the bidder shall quote reasonable price applicable to bulk purchases. Quantity ordered is not likely to be enough to consider as Truck Load & the bidder must execute supply of any small quantity of ordered item.

**19. AGREEMENT**

- 19.1. The successful bidder will have to enter into a contractual agreement with the Govt. as per standard format embodying the tender terms & conditions in Non-judicial Stamp paper worth Rs.10/- (Rupees Ten only).
- 19.2. The agreement should be typed only on one side of the Stamp paper duly signed by the authorised signatory on each page. The continuing pages should be typed on conquest paper.
- 19.3. The said format will be uploaded alongwith list of products tentatively approved.

- 19.4. In the event of failure to execute agreement in prescribed manner within the stipulated period by the successful bidder such bidder's earnest money deposit will be forfeited in full. Such defaulters will forgo the right to participate in future tenders for period of minimum three years.
- 19.5. Award of Contract: On getting contractual agreement, the undersigned will circulate the approved price list to the decentralized units of this Directorate across the State of WB for awarding contract.

**20. SECURITY MONEY DEPOSIT**

- 20.1. The successful bidder will have to deposit security money @ 5% (Five Percent) ad-valorem subject to maximum of Rs.1,00,000/- (Rupees One Lakh) only in Term/Fixed Deposit receipt on any Nationalized Bank in favour of the Joint Director, ARD, Institute of Animal Health & Veterinary Biologicals, Kolkata /order placing officer A/c. \_\_\_\_\_ (Name of the firm) within 7 (seven) days from the date of issue of order failing which order will be cancelled along with forfeiture of EMD & no further correspondence will be entertained.
- 20.2. The security money deposit is liable to be forfeited for non/short supply of ordered item in stipulated timeframe.
- 20.3. Partial deposit and/or previous deposit of security money will not be accepted.
- 20.4. Security money deposit will be refunded after satisfactory completion of supply. No proportionate refund of security money will be allowed if the supplied quantity falls below the ordered quantity.

**21. PAYMENT**

- 21.1. Tax Invoice against all supplies is/are to be sent in TRIPLICATE & invariably be submitted along with the supplies for payment to the indenting officer. For imported items, copies of Bill of Entry/Lading, Invoice of overseas supplier & Certificate of Origin shall be produced along with Invoice otherwise payment will not be disbursed.
- 21.2. No advance payment shall be made under any circumstances.
- 21.3. Payment shall be made after executing the order satisfactory in all respect. However, no interest shall be paid to the firm in the event of delay in making payment due to whatsoever reasons. In no circumstances, delivery schedule should be affected and/or linked with the payment of outstanding bills. The payment of bills shall be withheld in case of violation of any tender clause.
- 21.4. The rates quoted shall be exclusive of Sale Tax. The Sales Tax/VAT will be paid in accordance with the orders of the Govt. of West Bengal from time to time.
- 21.5. In case of bidder from outside the State of West Bengal, the ordering officer will furnish the 'D' Form to the firms to enable the firm to claim exemption from Central Sales Tax as per the rules.
- 21.6. Tax Invoice against all supplies made should invariably be submitted along with supplies. Bills in duplicate & challans in duplicate indicating order no. & Date, Unit of supply etc. is to be raised by designating of officer placing the order.

**22. SUPPLY & DELIVERY**

- 22.1. Fresh stock, as per approved sample shall have to be supplied against all indents, delivery of ordered item shall have to be made strictly as per given schedule printed in the order. The schedule may be revised (increased/decreased/ temporarily postponed) by the receiving authority, depending upon requirement.
- 22.2. The quantity normally depends upon the actual requirement of the indenting officer. The successful firm is required for supply any quantity at the accepted rate within the contracted period.



- 22.3. The ordered item must be packed suitably to avoid transit loss and weathering to maintain quality. The supply must comport to the given specification in the tender. Any loss, damage or breakage or leakage or shortage observed on receipt of supplies & reported by the receiving officer, it will be the responsibility of the supplier who shall be required to replenish the loss positively within 15 (fifteen) days from the date of intimation. No extra cost shall be admissible for the same. Failure to replenish the above losses shall be liable for deduction of the corresponding amount from bills which shall be final and binding. Sterile items are to be transported in such packaging so that no damage to the primary packaging during transport process & sterility should be maintained properly.
- 22.4. Supply will normally be accepted on all working days between 11 am & 3 pm. Successful bidder must provide the requisite number of labour to store/install the materials in the respective stores/places as will be indicated from time to time without any additional charges. No supply will be accepted on Sundays and Govt. holidays unless otherwise desired by the receiving authority.
- 22.5. It is obligatory for the bidder to note that failure to maintain delivery schedule for supply of ordered item will lead to severe dislocation in carrying out public service for which successful bidder will be held responsible & action will be taken strictly as per tender rules laid down herein without any prejudice, any sort of plea will not be considered, save & except any incident occurred "by act of god" may be considered sympathetically.

**23. PENAL MEASURE**

- 23.1. The Earnest Money Deposit furnished by a firm will be liable to be forfeited in full (including excess amount of Earnest Money, if deposited), if the firm withdraws tender as a whole or for any particular item at any stage during the tenure of tender or fails/refuses to enter into written agreement once the rate for any/all item/s is/are accepted within the time specified when requested to do so by this Directorate &/or refuses to deposit Security Money. Such firms offer will not be taken into consideration in future & shall liable to be black listed for 3 (three) years.
- 23.2. The Security Money Deposit furnished by a Bidder is liable for forfeiture in full (including excess amount of Security Money, if deposited) along with cancellation of order without prejudice in the event of failure/refusal to maintain the delivery schedule and/or non-observance of terms & conditions of tender and/or contracted specification &/or quality/quantity and the authority will be at liberty to terminate the contract as a whole or part.
- 23.3. The price, at which the bidder sells the products of identical description to any other Govt. Directorate, Organization etc., shall not exceed the quoted rate. If such incident of quoting higher rate comes to the notice, the authority reserves the right to initiate legal/penal action against such firms.
- 23.4. In case, the delivery programme is not followed & the competent authority is compelled to procure the ordered articles from the open market at a higher rate than the accepted price in tender, in that case the excess cost incurred on the account will have to be borne by the firm which will deducted from their outstanding bill apart from forfeiture of Security Money in full. Besides, failure to maintain the delivery schedule/ stoppage of supply may lead to termination of contract along with forfeiture of Security Money Deposit in full and such firms shall liable to be Black Listed for 3 (three) years.
- 23.5. The Tendering Authority reserves the right to test Chemicals in any reputed Laboratory having facilities for such under Public Sector and the Test Report will binding for taking positive action/cancellation of order against the bidder and/or its suppliers. The tendering authority reserves the right not to disclose the intensity of the Test House.
- 23.6. Non-compliance to any terms & conditions laid herein shall constitute a breach of contract & penalty for non-compliance shall be enforced very rigidly.

**24. GENERAL**

- 24.1. No Tender/Tender pre-requisites such as Earnest Money Deposit, Sample etc., will be accepted after date & time of scheduled closing.
- 24.2. Conditional Tenders and Tenders not accompanied with the documents as mentioned in Clause 5.7 shall be summarily rejected without any reference made to the bidder and no correspondence will be entertained.
- 24.3. Submission of hard copy of financial bid (BOQ) is totally prohibited & only be uploaded through e-tender portal. Disclosure of rate in the technical bid will lead to rejection of bid.
- 24.4. Any addendum/corrigendum/extension of validity period will be notified at our departmental website [www.darahwb.org](http://www.darahwb.org) as it is not possible to inform each.
- 24.5. The uploaded document in the tender without containing necessary enclosures and incomplete or tampered documents shall be rejected at the time of evaluation without any further notice to the bidder.
- 24.6. In case of products with Brand Name, the Tendering Firm is required to mention the Brand Name against each item. In case, I.S.I. Marked products, the Tendering Firm shall have to produce License of manufacturing from B.I.S. ISI/BIS marked items would be preferred and non-ISI/BIS items will be considered only when ISI/BIS marked items are not available.
- 24.7. The offer may go to the next bidder, if the successful bidder fails to perform the contract.
- 24.8. No negotiation/enquiry/subsequent representation regarding rate/quantity/quality or otherwise will be entertained after scheduled closing time. No import license, any sort of permit etc. in respect of any item will be provided from this Directorate and the tendering firm should have rely on their own resources.
- 24.9. The undersigned reserves the right to reject any or the entire tender at any stage without assigning any reason thereof and will not be bound to accept lowest tender rate.

**25. MISCELLANEOUS**

- 25.1. The bidder shall offer guarantee to the effect that the goods/stores/articles would continue to conform to the description and quality as specified that is up to the date of expiry or at least for next one & half years from the date of delivery.
- 25.2. Latest guidelines pertaining to purchase of stores issued by the Govt. of West Bengal will be followed provided that there is no specific instruction of the Tender Committee in this regard.
- 25.3. Any dispute/difference arising out of this Tender will be referred to the sole arbitrator to be appointed by A.R.D. Dept. and the same will be held at Kolkata. Arbitrator will have the power to pass interim order and will be guided by the Arbitration & Conciliation Act, 1996.
- 25.4. When a Tendering Firm submitted their tender in response to this Notification, they will be deemed to have understood fully the contents, the requirement, term & conditions of this tender. No extra payment will be made on the pretext that the Tendering Firm did not have a clear idea of any particular point. Any offer made in response to this tender when accepted by the Tendering Authority will constitute a contract between the parties.
- 25.5. A Help Desk for implementation of e-tender is available at National Informatics Centre (NIC), Jal Sampad Bhavan, Office of the Executive Engineer, DVC Cell, Irrigation & Waterways Dept., 7<sup>th</sup> Floor, Salt Lake, Kolkata-91 to help and guide the prospective bidders about their registration, digital signature certificate and allied matter. The intending bidders may contact personally or over Phone # (033) 2223 6236.

- 25.6. Firm quoting rates on behalf of its Principal should indicate in tender paper that it is a DIVISION of the principal firm.
- 25.7. All notice intended to be served on the bidder will be deemed to have been duly served, if sent under certificate of posting or Registered post to the address mentioned in the tender or by any other process permissible under civil law.
- 25.8. All instructions given either in the catalogue of items, tender notice, tender and/order form are binding on the bidder and are part of terms and conditions.
- 25.9. In the event of delay/non-availability/garbled printout/inconvenience in getting access to the Website for downloading tender documents, the authority will not be held responsible. Every document uploaded by the bidder should be clear, legible otherwise it will not be considered for acceptance.

*Sd/-*

*(Dr. Rudradeb Mukherjea)*

Joint Director of ARD, IAH & VB, Kolkata

## CATALOGUE

### Items for tender list

| Sl. No.                                | Name of the Instrument | Specification with presentation  | Acc. Unit                     | Pkg. Unit |
|--|------------------------|--|-------------------------------|-----------|
| <b>Group-A- Laboratory Instruments</b> |                        |  |                               |           |
| 1.                                     | WFI Unit               | <p style="text-align: center;"><b>Reboiler unit for WFI Plant</b></p> <p>a)Operating &amp; Design data : cylindrical &amp; vertical having Tonspherical dish bottom and top end, capacity : 300 lit., dimension : ID 700 X H 660 X F.B. 100, design code : ASME SEC VIII DIV-1, vessel side WK, Pressure : Atm., vessel side DSG pressure ATm., vessel side test pressure hydrostatic, vessel side WK temp 100°C, vessel side DSG temp 120°C, vessel heating by electrical heater (KW-36), process fluid : DM water of inviscid nature pH-7.0, welding : TIG, DP test for all weld joint, finishing : mirror polished G240 for internal contact surface, Matte polished G-180 for external exposed surface b) b)Construction : Main shell : size T5, material SS316, bottom end : size T5, material SS 316,Top end : size T5, material SS 316, Leg : size as suit, material SS304, Nozzle : size shell side, material SS 316, Leg : size as suit, material SS304, Nozzle : size shell side, material SS 316 c) Nozzle Schedule : service i) RO water inlet size DN 25, type TC, standard SMS ii) Vapor exhaust size NB 100, type flange, standard Ansi 150, iii) Temp sensor size NB 15, type TC, standard SMS ii) Vapor exhaust size NB 100, type flange, standard Ansi 150, iii) Temp sensor size NB 20, TYPE SOCKET, STANDARD BSP iv) PG &amp; SV assembly size NB 15, type flange, STANDARD ANSI 150 BSP v) SG tube size NB 15, type flange, STANDARD ANSI 150 d) Insulation: thickness 50 mm, density 100 kg./m<sup>3</sup> , material LRBG, cladding 2 thk SS304, joining welded e) Accessories &amp; fitting : F.B. Ball V.V. Flange TC SS316 NB25 1 no., EH (36 KW)</p> <p style="text-align: center;"><b>Condenser– 1.2 M<sup>2</sup> for WFI Plant</b></p> <p>a) Operating &amp; design data : vertical &amp; shell &amp; tube type, H.T. area 1.2 M<sup>2</sup> , design code construction TEMA, finishing uncoated, shell side dimension dia 141 XL 800 tube side dimension dia 3.4" x L 800, shell side Wk pressure 1 Bar, tube side Wk pressure 2 Bar, DSG pressure shell side 1 Bar tube side 3 Bar, Wk temp shell side shell side 100°C, tube side 37°C (avg) DSG temp shell side 120°C, tube side 100°C, cooling by cooling water, fluid viscosity water vapor b) construction : i) Shell size T34 material SS316 ii) Tube (seamless) size T16 material SS316 iii) Tube sheet size T25 material SS316, iv) Baffle size T3 material SS316 v) Tie rod dia 10 material SS316 vi) Spacer tube size T16 material SS316 VII) Bonnet shell size T3 material SS304 viii) Bonnet cap size T3 material SS304 ix) Bonnet flange size T25 material SS304 x) Support leg size as suit, material SS304 xi) Gasket shell side size T3 material Teflon xii) Gasket tube side size T3 material Teflon xiii) Nozzle shell side size all material SS316 xiv) Nozzle tube size all, material SS316 c) Nozzle schedule : i) vapor inlet size 4" type flange Standard ANSI-150 ii) Condensate outlet size 1" type T clamp STANDARD ISO iii) Utility Inlet size 1" size Flange STANDARD ANSI-150 iv) Utility outlet size 1"size Flange STANDARD ANSI-150 v) Tube side vent size 1/2", type T Clamp STANDARD ISO vi) Tube side drain size 1/2", type T clamp STANDARD ISO vii) Shell side drain size 1/2" type socket STANDARD BSP viii) Flush water inlet size 1"type Flange STANDARD ANSI-150 d) Insulation : Thickness 25 mm., density 40 Kg./m<sup>3</sup>, material PUF, cladding SS 304, Joining welded e) Special features : Welding TIG &amp; MMA, finishing mirror finished G240 for internal &amp; external surface, testing 100% RT for CS joint, hydraulic pressure test @ 7.5 Bar for shell &amp; tube.</p> <p style="text-align: center;"><b>Pressure vessel distillate collection tank-50 lit. :</b></p> <p>a)Operating &amp; design data: cylindrical &amp; vertical having Tonspherical dish bottom &amp; top end, capacity-50 lit., dimension ID 390 X H 490 design code AS,E SEC VIII DIV-1, WK pressure vessel side Atm., DSG pressure vessel side Atm., test pressure vessel side hydrostatic, Wk temp vessel side 50°C, DSG temp vessel side 100°C, processing fluid : WFI, nature Inviscid, pH 7.0, welding TIG, testing DP test for all weld joint, finishing: mirror</p> | Gr. A/Lab. Inst./01<br>Pc./01 | Pc        |

|    |   |  |                               |     |
|----|---|--|-------------------------------|-----|
|    |   | <p>polished G240 for internal contact surface, matte polished G180 for external exposed surface b) Construction: i) Main shell size T2 material SS316 ii) Bottom end size T2 material SS316 iii) Top end size T2 material SS316 iv) Trolley size as suit material SS304 v) Nozzle size shell side material SS316 c) Nozzle Schedule : i) WFI IN size DN 25, type TC, Standard SMS ii) vent size NB25, type Flange, Standard ANSI 150 iii) Temp sensor size NB20, type socket, Standard BSP iv) SV size NB15, type socket, Standard BSP v) SG tube size NB15, type Flange, Standard ANSI 150 vi) Bottom out size NB 25, type pad, Standard ANSI 150 d) Insulation: material joining e) Accessories &amp; fitting: F.B. Ball V.V. Flange TC SG310/NB25 1 no.</p> <p><b>Components and accessories :</b></p> <p>a)HDPE Tank-500 LIT/PTY-2, should be supplied along with one year manufacturer's b) ULTRA filter 300LPH/H.P.-1/SS-316/Qty.2 no. should be supplied along with one year manufacturer's warranty and user manual d) Allied piping-1 set e) Electrically heated distillation unit-50 LPH/PTY-1 no., specification mentioned in item no. A f) consenser 1.2 M<sup>2</sup> /PTY.-1 no., specification mentioned in item no. B g) Distillate collection tank with trolley 50 LTRS. Capacity/Qty. no. : 2 specification mentioned in item no. C, h) Distillate collection tank with trolley 50 LTRS. Capacity/Qty. No.: 2 specification mentioned in item no. C h) Digital table top conductivity meter with ability to determine conductivity of water from 0-200 <math>\mu</math>S/cm. with sensor of cell constant 0.01 cm-1, should meet calibration verification criteria both the sensor and conductivity meter, should be supplied along with one year manufacturer's warranty and user manual.</p> |                               |     |
| 2. | UPS 15 KVA on-line uninterrupted Power Supply | <p>UPS System should have input Power factor control &amp; low less than 0.5% THD(1) with IGBT rectified technology. Input Voltage: 339-438 VAC. Operating frequency:50/60 Hz.(45-65 Hz.), Input Power factor : &gt; 0.99 Input Current Distortion: 5% THD in normal network Condition. Normal Output Voltage:220/230/240VAC, Single Phase. Output Voltage Regulation:+/- 2% Static, +/-5% Dynamic at 100% load change&lt;1<math>\mu</math>s response Time, overload capacity 150% for 5 seconds/125% for 1 minute/1000% for 20<math>\mu</math>sec.(Bypass), out power factor:0.9 i.e., 15 KVA/13.5 KW, DC Bus voltage: Must be 384 Volt, Type of Battery: Sealed Maintenance free Lead Acid Battery. Back Up time: Minimum two hours, Minimum battery AH required: Minimum 24960 VAH &amp; UPS should have advanced Battery Management Features. Efficiency : 92% with rated non-linear load, graphical LCD with Blue Black Light, 4 Led, 1 x RS 232 for local support, 2xX-slot(empty) 1x Relay contact, 1 X emergency power off input, 2 X Environmental input.</p>   | Gr. A/ Lab. Inst./01 Pc./ 02  | Pc  |
| 3. | Battery for UPS- 15 KVA on line               | 384V, Sealed maintenance free battery compatible with 15 KVA UPS   | Gr. A/ Lab. Inst./01 set./ 03 | Set |
| 4. | UPS(Uninterrupted Power Supply) 5 KVA on line | <p>On line PWM with IGBT as switching device. Input voltage range: 165 – 270 VAC. Nominal voltage output: 230 VAC Single phase. Output wave form: Pure. Isolation: Output isolation transformer should be available as standard. DC Bass voltage must be 18 Volt. Type of battery: Sealed maintenance free lead acid battery. Back up time: min 2 hours, Minimum battery AH required min. 11700 VAH. Gen set capability; UPS should be engine generator compatibility parameters. LCD panel display. Multiple capabilities eliminating user gap. Out power fraction 0.08 min.</p>  | Gr. A/ Lab. Inst./01 Pc./ 04  | Pc  |
| 5. | Battery for UPS- 5 KVA on line                | 12V, 65 AH (Dry Cell); Sealed maintenance free battery UPS   | Gr. A/ Lab. Inst./01 set/ 05  | set |

|     |   |   |                                 |      |
|-----|---|---|---------------------------------|------|
| 6.  | Pilot Freeze Dryer  | Shelf temp control range up to -65°C, lowest shelf temp up to -70°C, lowest condenser temp -85°C, Maximum condenser capacity 35 lt., maximum ice condensing capacity in 24 hours (L) 20, condenser pull down from 20°C to -45°C ≤ 25 min, shelf pull down from 20°C to -40°C ≤ 30 min, number of compressors 2, refrigerant RS508B R407C, vacuum time to 100 milli Torr ≤ 20 min, lowest system vacuum ≤ 15 mT (milli Torr), air-cooled system with hydraulic stoppering system and 8" vapour port, 6 nos of freeze drying trays, 3 ml vial capacity > 2500 no., to be supplied with software and work station with following features Software: It utilizes Programmable Logic Controller (PLC) for Windows as per Current Good Manufacturing Practice (c GMP) standards and an Allen-Bradley Micro Logic 1500 and regulatory guidelines for computer systems used for pharmaceutical processing equipment. Up to sixteen (16) product temperature-monitoring probes, Time, temperature and vacuum level control for each step of the Primary and Secondary Drying phases, Up to twelve (12) Thermal Treatment (annealing) steps, Integrated performance and vacuum integrity testing routines, Door pre seal routine, Cascade refrigeration handling with inter stage control, Work station specification: Capacitance manometer vacuum gauge in addition to standard Pirani vacuum gauge, Single point eutectic display, Moisture sensor to aid in endpoint determination, Backfill to set point for highly controlled product storage, Up to three (3) levels of security to keep the workstation safe., Pirani/capacitance manometer differential endpoint determination to aid in product dryness detection, Isolation valve control allowing automated pressure rise testing during Primary Drying Extensive alarming to protect personnel, product and equipment, Extensive alarming to protect personnel, product and equipment, Remote View option allowing remote monitoring and control of the lyophilizer, Thorough historical data trending with export function, synoptic screen for real time monitoring of the system, Local area network (LAN)-ready., work station to be supplied with the system. Microsoft Windows based, Intel Core 2 Duo Processor, 2 GB RAM, 500 GB Hard Disk Drive, CD/DVD Re-Writable & Floppy Disk Drives, USB Laser jet Printer, 17-Inch Flat Screen Monitor, software along with workstation on which the software will be installed, connecting cable between workstation and lyophilizer, 6 no. vial loading trays with rings, one 15 KVA suitable UPS for power outage protection, inclusive of all installation charges, including two year warranty and one tear additional AMC, 5 lit. vacuum oil, one tube high quality vacuum grease | Gr. A/ Lab. Inst./01 Pc./ 06    | pc   |
| 7.  | Clean room clogs with cuffs   | Made of TPU, ideal for use in clean rooms, holes in shoe and in removable sole for better ventilation, removable sole and detachable cuff, Autoclavable at 121°C.   | Gr. A/ Lab. Inst./100 Pack./ 07 | Pack |
| 8.  | Programmable peristaltic pump   | To be supplied with autoclavable silicon tubing 4mm. ID 25 mt. length, Dispensing tube stainless steel, 4 mm. internal diameter 10 cm. length, aspiration tube 4 mm. internal diameter, stainless steel, 10 cm. length, with additional autoclavable silicon tubing 8mm. ID 25 mt. length, Dispensing tube stainless steel, 8 mm. internal diameter 10 cm. length, aspiration tube 8 mm. internal diameter, stainless steel, 10 cm. length, one tube collar with all the accessories as mentioned, along with SS sinker and aspiration tubes, capable of dispensing liquid from 0.5 ml. to 1 litre capacity, programmable for timed operation or manual operation.  | Gr. A/ Lab. Inst./01 Pc./ 08    | Pc   |
| 9.  | Thermo cycler with three independent blocks                               | Capable of running three different experiments simultaneously by three independently controlled blocks, wi fi enabled and remote controlled, touch screen function for programming and running of the instrument, 3 X 32 wells block for 0.2 ml/0.1 ml. PCR tubes/PCR plates, to be supplied with all the accessories including PCR tubes for 500 reactions, USB drive and modem  | Gr. A/ Lab. Inst./01 Pc./ 09    | Pc   |
| 10. | Portable gel electrophoresis system with real time transilluminator       | To be supplied with real time Transilluminator and 10 no. 1% and 10 No. 2% pre cast agarose gels cassettes having safe blue light excitable dye, 50 bp and 1 Kb plus DNA ladder; gel loading buffer, preprogrammed to run with gel cassettes, transilluminator should be provided with amber color filter, Indian power cord with universal adapter for 90-220 V, 50-60 Hz, can run minimum 4 samples at a time. One year warranty  | Gr. A/ Lab. Inst./01 Pc./ 10    | Pc   |
| 11. | Research adjustable volume pipettes, 8 channels Autoclavable with tip box | Pipette ranges 1-10 µl, eight channel, should be fitted with two rings on tip cones one for clips of pipette tips, volume adjustment knob can be used to lock the pipette by depressing the knob  | Gr. A/ Lab. Inst./01 Pc./ 11    | Pc   |

|  |  |   |                              |      |
|--|--|---|------------------------------|------|
|  | Research adjustable volume pipettes, Autoclavable with tip box                           | Pipette ranges 5-50 µl, eight channel, should be fitted with two rings on tip cones one for clips of pipette tips, volume adjustment knob can be used to lock the pipette by depressing the knob  | Gr. A/ Lab. Inst./01 Pc./ 12 | Pc   |
|  | Research adjustable volume pipettes, Autoclavable with tip box                           | Pipette ranges 5-50 µl, eight channel, should be fitted with two rings on tip cones one for clips of pipette tips, volume adjustment knob can be used to lock the pipette by depressing the knob  | Gr. A/ Lab. Inst./01 Pc./ 13 | Pc   |
| <b>GROUP-B: LABORATORY REAGENTS &amp; OTHER GLASS/ PLASTIC MATERIALS</b> |  |   |                              |      |
| 1.   | Polypropylene bottle Autoclavable with rubber stopper & aluminium cap                    | Polypropylene bottle - 110 ml capacity & 20 gm weight per bottle; Rubber stopper - Made of rubber for 110 ml capacity & 20 gm weight polypropylene bottle; Aluminum cap - 20 mm diam. for 110 ml capacity & 20 gm weight polypropylene bottle; All the 3 items are to be supplied in separate packet of proportionate pack sizes.   | Gr. B/Lab. Regt./ Pc./01     | Bot. |
| 2.   | Neutral Glass vial with Neoprene Rubber cap and Aluminium caps (coloured and non colour) | Neutral Glass vial - 3 ml. capacity, 13 mm OD, made of neutral glass, height more than 30 mm; Neoprene Rubber cap - Made of neoprene rubber, double slit, double ring, suitable for above vaccine vial, specimen to be obtained from the respective units; Aluminium caps (coloured and non colour) - for Neutral Glass vial 3 ml. capacity, caps, 13 mm. 3 ml. capacity, 13 mm OD diameter; All the 3 items are to be supplied in separate packet of proportionate pack sizes. | Gr. B/Lab. Regt./Pc./02      | Box  |
| 3.   | Syringe Filter (Membrane filter)   | Pore size-0.45 µm, sterile, individually packed- 50 pcs/pack  | Gr. B/Lab. Regt./50 pc./03   | Pkt. |
| 4.   | Tissue Culture (TC)Flask with filter cap   | 300 cm <sup>2</sup> , Growth area with 0.2 µm porosity filter cap, sterilized by gamma ray irradiation, legible volume scale with white print and marking area, 1360 ml., yellow colour cap, 18 pcs/pack  | Gr. B/Lab. Regt./18 pc./04   | Pkt  |
| 5.   | Tissue Culture (TC)Flask with out filter cap   | 300 cm <sup>2</sup> Growth area, sterilized by gamma ray irradiation, legible volume scale with white print and marking area, 1360 ml., 18 pcs/pack   | Gr. B/Lab. Regt./18 pc./05   | Pkt. |
| 6.   | Thioglycollate Broth(BQ vaccine Media)   | 500 gm  | Gr. B/Lab. Regt./01 Bot./06  | Jar  |
| 7.   | Standard Nutrient Broth (HS Vaccine Media)   | 500 gm  | Gr. B/Lab. Regt./01 Bot./07  | Jar  |
| 8.   | Formaldehyde 37% (formalin)  | AR Grade -500 ml.   | Gr. B/Lab. Regt./01 Bot./08  | Bot  |
| 9.   | Glycerol-98% Purified  | 25 lt. Jar  | Gr. B/Lab. Regt./01 Bot./09  | Jar  |
| 10.  | Aluminum Hydroxide Gel (3 % W/V, Liquid type) pH-7                                       | As adjuvant for bacterial vaccine-400 ml.   | Gr. B/Lab. Regt./01 Bot./10  | Bot  |
| 11.  | Yeast Extract Powder   | 500 gm  | Gr. B/Lab. Regt./01 Bot./11  | Bot. |
| 12.  | EMEM, modified for autoclaving   | 1 lit., modified for autoclaving without sodium bicarbonate and L-Glutamine, contain 9.4 gm powder/ liter of media, water by Karl Fisher NMT 2.0% , glucose 9.54-11.66%, endotoxin assay NMT 1.0EU/ML at IX 1lit. X 10 such vials   | Gr. B/Lab. Regt./10 vial /12 | Pack |
| 13.  | L-Glutamine  | 0.292gm. /vial, sterile by gamma irradiation, to be used with EMEM  | Gr. B/Lab. Regt./10 vial/13  | Pack |
| 14.  | EMEM, with L-glutamine   | 1 lit., with L-Glutamine, contains 9.4 gm powder/ liter of media, water by Karl Fisher NMT 2.0% , glucose 9.54-11.66%, endotoxin assay NMT 1.0EU/ML at IX 1lit. X 10 such vials   | Gr. B/Lab. Regt./10 vial/14  | Pack |
| 15.  | Foetal bovine serum  | Heat Inactivated, Certified 0.1µm membrane filtered, Screened virus free for BVD,FMD, Rinderpest, BSE,Lumpy skin Disease and PPR, Tested Mycoplasma free, Endotoxin level ≤ 5 EU/ ml. 500 ml. bottle  | Gr. B/Lab. Regt./bottle/15   | Pack |

|     |   |   |                                    |      |
|-----|---|---|------------------------------------|------|
| 16. | 20 uL aerosol barrier tips with clips                               | Should be certified DNase,RNase DNA,ATP and pyrogenfree, sterile, should contain filter to prevent aerosol contamination, 96 tips X 10 boxes, should be compatible with Gr.A. Sl. No.11 multichannel pipette, should be provided with clips | Gr. B/Lab. Regt./96 X 10 boxes/16  | Box  |
| 17. | 50 uL aerosol barrier tips with clips                               | Should be certified DNase,RNase DNA,ATP and pyrogenfree, sterile, should contain filter to prevent aerosol contamination, 96 tips X 10 boxes, should be compatible with Gr.A. Sl. No.12 multichannel pipette, should be provided with clips | Gr. B/Lab. Regt./96 X 10 boxes/17  | Box  |
| 18. | 300 uL aerosol barrier tips with clips                              | Should be certified DNase,RNase free, sterile, should contain filter to prevent aerosol contamination, 96 tips X 10 boxes, should be compatible with Gr.A. Sl. No.13 multichannel pipette   | Gr. B/Lab. Regt./96 X 10 boxes/18  | Box  |
| 19. | 10 uL aerosol barrier tips  | Should be certified DNase,RNase free, should contain filter to prevent aerosol contamination, Universal type, 1000 tips per pack  | Gr. B/Lab. Regt./1000tips pack/19  | Pack |
| 20. | 20 uL aerosol barrier tips  | Should be certified DNase,RNase free, should contain filter to prevent aerosol contamination, Universal type, 1000 tips per pack  | Gr. B/Lab. Regt./1000tips pack/20  | Pack |
| 21. | 200 uL aerosol barrier tips   | Should be certified DNase,RNase free, should contain filter to prevent aerosol contamination, Universal type, 1000 tips per pack  | Gr. B/Lab. Regt./1000tips pack/21  | Pack |
| 22. | 1000 uL aerosol barrier tips  | Should be certified DNase,RNase free, should contain filter to prevent aerosol contamination, Universal type, 1000 tips per pack  | Gr. B/Lab. Regt./1000tips pack/22  | Pack |
| 23. | White strip tubes with flat caps for Lightcycler 96/lightcycler 480 | Certified DNase, RNase free, sterile, should be compatible with light cycler 96/Lightcycler 480 , should be supplied with optical clear flat caps, 200ul capacity, 120 strips per box   | Gr. B/Lab. Regt./120 strips box/23 | Box  |

#### GROUP:C-LABORATORY KITS

|    |  |  |                          |     |
|----|--|--|--------------------------|-----|
| 1. | Classical Swine Fever Antibody ELISA test kits       | Simple, familiar ELISA format, 96-well plates, can be fully automated for high sample throughput, Short (less than 4-hour) or overnight protocol, to be used with serum,plasma etc, ,to be inclusive of ready-to-use reagents and bar-coded plates for safe sample identification and traceability, to be suitable for CSFV antibody detection, 5 plates/strips/ Kit | Gr. C/Lab. Kit./1kit/01  | Box |
| 2. | Peste des Petit Ruminant (PPR) Competition ELISA kit | Compatible with sheep, goat serum or plasma,capable for detection of antibodies to PPR virus,anti NP HRP concentrated conjugate, should contain all the reagents to perform tests, result in 90 minutes, ready to use components, 384 tests, 12 X 8 well strips  | Gr. C/Lab. Kit./1 kit/02 | Box |



|     |  |  |   |     |
|-----|--|--|---|-----|
| 3.  | Brucella antibody ELISA test kit                           | For large and small scale testing condition, convenient 10 µl plasma or serum sample volume for individual or pool up to 10 samples, modern monophasic kit format, to be fast, reliable and simple with ready to use reagents, short or overnight sample incubation options, to be supplied/matched with a compatible software for data analysis and result interpretation, 10 plates/strips per kit | Gr. C/Lab. Kit./1 kit/03                      | Box |
| 4.  | Bovine Viral Diarrhoea virus (BVDV) antigen ELISA test kit | Can detect BVDV antigen in serum/ear tissue notch samples, plasma and whole blood to be supplied/matched with a compatible software for data analysis and result interpretation, 5 plates/strips per kit   | Gr. C/Lab. Kit./1 kit/04                      |     |
| 5.  | IBR gE antibody ELIS test kit                              | Can differentiate between marker vaccinated and naturally infected animals against BHV-1 virus can be used with serum, plasma and milk samples, to be supplied with ready to use reagents, to be supplied/matched with a compatible software for data analysis and result interpretation, 6 plates format per kit  | Gr. C/Lab. Kit./1 kit/05                      |     |
| 6.  | RT PCR kit   | One step, For 25 reactions per pack, should support multiplex reactions. The optimum primer concentration should be 0.6µM per reaction   | Gr. C/Lab. Kit./1kit/06                       | Box |
| 7.  | Quantitative(q) PCR mastermix kit containing UDG           | For multiplex real time PCR reaction should be prescribed by OIE for testing of BoHV-1 virus in frozen semen samples, supported by relevant documents. for 500 reactions of reaction volume 50 µl, to be supplied with 12.5 ml. 2X. PCR master mix, mgcl <sub>2</sub> solution, ROX dye. should contain UTP and UDG in the mastermix.  | Gr. C/Lab. Kit./ 500 Reaction/Kits/ 07        | Box |
| 8.  | DNA purification kit for whole blood and tissue            | Capable of purification of DNA from animal whole blood, animal tissue, plasma, cell free fluids, cultured cells, mouse tail, to be supplied with spin columns, tissue lysis buffer, elution buffer, washing buffer, collection tubes, Proteinase K solution, RNase A solution, resuspension solution, 250 purification/kit   | Gr. C/Lab. Kit./ 250 purification / 1 kit /08 | Box |
| 9.  | Viral RNA purification kit                                 | For viral RNA purification from plasma, serum and cell free body fluids, to be supplied with mini spin columns, carrier RNA, buffers and collection tubes, 50 purification/kit   | Gr. C/Lab. Kit./ 50 purification /1kits/09    | Box |
| 10. | Rapid AIV Antigen Detection Kit                            | 30 tests/pack  | Gr. C/Lab. Kit /30 tests/pack/10              | Box |
| 11. | Rapid IBD Virus Antigen Test Kit                           | 10 tests/kit   | Gr. C/Lab. Kit /10 tests/kit/11               | Box |
| 12. | Rapid NDV Antigen Test kit                                 | 10 tests/pack  | Gr. C/Lab. Kit /10 tests/pack/12              | Box |
| 13. | AIV Antibody ELISA Kit                                     | Competitive ELISA Kit for qualitative detection of antibody to the most common and prevalent AIV in chicken, duck, turkey, quail, goose, guinea partridge, red partridge, pheasant, swan, horse/swine samples 480 Test /Kit  | Gr. C/Lab. Kit / 480 test /Kit/13             | Box |
| 14. | Rapid AIV subtype H5Antigen detection kit                  | 25 test/kit  | Gr. C/Lab. Kit / 25 test /Kit/14              | Box |
| 15. | Avian Infectious Bronchitis Virus, Rapid test kits         | 10 tests per kit   | Gr. C/Lab. Kit t/ 10 tests /Kit/15            |     |
| 16. | Mycobacterium tuberculosis PCR kit                         | Should be a group specific for Mycobacterium sp., should contain, positive control, internal control, nuclease free water, gel loading dye, DNA ladder, 25 reactions/kit   | Gr. C/Lab. Kit /25 tests/pack/16              | Box |
| 17. | CCPP ELISA test kit  | Can detect CCPP antigen in tissue material, whole blood, nasal swabs etc., 96 teststs per kit  | Gr. C/Lab. Kit /96 tests/pack/17              | Box |
| 18. | Goat Pox virus ELISA test kit                              | Can detect goat pox viral antigen in tissue material, cell culture fluid and other material, 96 tests per kit  | Gr. C/Lab. Kit /96 tests/pack/18              | Box |

**Gr. D-LABORATORY MOLECULAR REAGENTS**

|     |   |   |                                     |        |
|-----|---|---|-------------------------------------|--------|
| 1.  | Basic synthesis(Per base charges) for Primers | HPLC purified, salt free oligos, length restriction (mer) 5-49, synthesis scale tube 0.03μmole (30nm), to be supplied positively within 15 working days, per base charges to be included.   | Gr. D/Lab. Regt./1 vial/1           | Vial   |
| 2.  | Probe   | Reporter dye – FAM/VIC/HEX/Cy5; Quencher dye – BBQ; Condition: TMA 1.0 OD, HPLC purified. Lyophilized. Rate should be quoted per base pair. Charges for any LNA have to be quoted separately. Amount and concentration of the reagent has to be quoted.   | Gr. D/Lab. Regt./1 vial/2           | Vial   |
| 3.  | Probe   | Reporter dye - FAM/VIC/HEX/Cy5; Quencher dye - BHQ 1; Condition: TMA 1.0 OD, HPLC purified. Lyophilized. Rate should be quoted per base pair. Charges for any LNA have to be quoted separately. Amount and concentration of the reagent has to be quoted. | Gr. D/Lab. Regt./1 vial /3          | Vial   |
| 4.  | Primer, forward and reverse                   | Synthesis scale tube 0.03 micro molar, length restriction 5- 40 (Mer), minimum yield OD 3.0, rate to be quoted price per base, High purity salt free  | Gr. D/Lab. Regt./ 2 vials /4        | Vial   |
| 5.  | Rnase removal solution                        | 250 ml. bottle, should degrade Rnase immediately on contact,  | Gr. D/Lab. Regt./1 bottle/5         | Bottle |
| 6.  | DNA removal solution                          | 250 ml. solution of bottle one and bottle two, degrades immediately contaminating DNA when solution one mixes with solution two,  | Gr. D/Lab. Regt./2 bottles/6        | Bottle |
| 7.  | Purple nitrite gloves                         | Powder free, 100 pcs per box, purple color, large size  | Gr. D/Lab. Regt./100 Pcs./box/7     | Box    |
| 8.  | Chelex 100                                    | Chelex 100, the product code should be mentioned in the OIE reference test for detection of BoHV-1 virus in frozen semen samples by Real Time PCR technique, supported by relevant documents 100 g bottle   | Gr. D/Lab. Regt./100 g./bottle/8    | Bottle |
| 9.  | Proteinase K                                  | 10 mg./ml, the product code should be mentioned in the OIE reference test for detection of BoHV-1 virus in frozen semen samples by Real Time PCR technique, supported by relevant documents 5ml. vial   | Gr. D/Lab. Regt./5 ml../vial /09    | Vial   |
| 10. | DL-Dithiothreitol                             | 1M solution, the product code should be mentioned in the OIE reference test for detection of BoHV-1 virus in frozen semen samples by Real Time PCR technique, supported by relevant documents 25ml. vial  | Gr. D/Lab. Regt./25 ml../vial /10   | Vial   |
| 11. | Sterile wipes                                 | Sterile, PCR clean 100 pcs. Per packet  | Gr. D/Lab. Regt./100 pcs./pack /11  | Pack   |
| 12. | Sterile, Nuclease free water                  | Sterile, certified DNase, RNase free, molecular biology grade, 500 ml. bottle   | Gr. D/Lab. Regt./500 ml. bottle /12 | Bottle |

**Gr. E-Avian Influenza Control, Containment items**

|    |         |  |                          |      |
|----|---------|--|--------------------------|------|
| 1. | PPE Kit | Dangri - Disposable, free size, full sleeves, made up of non woven fabric (spun bonded, poly propylene material not less than 90 GSM), cuff with elastics, zipper in front, hood attached covering sides of face and neck 10 no.; House Gloves - Disposable, ISI mark, size – 10 no.; Shoe Cover - Disposable, made up of polyester woven fabric with protective rubber coating preferably Tetoron, with thick padded foot base and can be used under field condition, 10 no.; Face Mask - Face Mask with Hepa filter (N95). 10 no.; Disposable Protective Glasses - Disposable, with clear glasses, zero power, eye fitting and elastic band holder, 10 no. | Gr. E/AI/10 pcs./pack /1 | Pack |
|----|---------|--|--------------------------|------|

*Sd/-*  
*(Dr. Rudradeb Mukherjee )*  
 Joint Director of ARD  
 IAH & VB, Kolkata