

ASSAM AGRICULTURAL UNIVERSITY
Khanapara-781022
BIDDING DOCUMENT

(Terms and conditions)



**RKVY PROJECT ON CELL CULTURE ADOPTED DUCK
PLAGUE VACCINE (ADVaRC)
DIRECTORATE OF REASERCH (VETY),
ASSAM AGRICULTURAL UNIVERSITY
Khanapara-781022**

OFFICE OF THE DIRECTORATE OF RESEARCH (VETRY)
ASSAM AGRICULTURAL UNIVERSITY
Khanapara-781022

NOTICE INVITING QUOTATION

Scaled quotations are invited from the reputed manufactures/ authorized dealers/ suppliers for supplying the Lab equipments/ Implements/ Appliances etc. The Tender documents may be obtained from the office of the undersigned personally on payment of Tender fee of Rs 200/- (Rupees Two Hundred) only in the form of Crossed Demand Draft to be drawn in favour of Director of Research (Vety), AAU, Guwahati. The Tender Documents may also be downloaded from the the website www.vetbif.ac.in or www.neradslab.res.in in subject to the condition that the bidders must have to submit the Tender fee Rs 200/- along with the quotation, without which the tender/ quotations will be rejected. The earnest money 2% of the unit price of the quoted value of equipments enlisted In (ANNEXURE-1) in the form of call deposit drawn in favour of the undersigned must be submitted along with the quotations. The tenders/ quotations will be received up to 1 pm on 15th October 2019. The undersigned reserves the right to accept or reject any or all the quotations without assigning any reason thereof.

Sd/- (N. Kalita)
Director of Research (Vety)
Assam Agricultural University
Khanapara-22

No. 99/DRV/263/F-05/19-20/ 49-52

dtd : 04/10/19

Copy for information and necessary action to

1. The Comptroller, Assam Agricultural University, Jorhat-13
2. The Coordinator, BIF, AAU, Khanapara, Guwahati-22 with a request to upload the advertisement in the Website www.vetbifg.ac.in
3. Notice Board Dean CVSc/DR (Vety)/DEE/DPGS, College of Veterinary Science.
4. The Advertisement Manager, The Assam Tribune with a request to publish the above advertisement in one issue of your paper and submit the bill for payment to the office of the undersigned with copy of the advertisement.
5. Office Copy

Director of Research (Vety)
Assam Agricultural University
Khanapara-22

OFFICE OF THE DIRECTORATE OF RESEARCH (VETY)
ASSAM AGRICULTURAL UNIVERSITY
Khanapara-781022

Corrigendum

Further to the advertisement that appeared on 5th October, 2019, please note that the last date for submission of quotation has been extended up to 12 days of publication of the corrigendum.

Kindly note that there is minor correction/ modification in the specification of equipments.

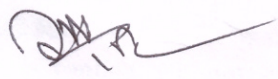
Sd/- (N. Kalita)
Director of Research (Vety)
Assam Agricultural University
Khanapara-22

No. 99/DRV/263/F-05/19-20/ 60-65

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Director of Research (Vety)
Assam Agricultural University
Khanapara-22

ANNEXURE-I

Sl no	Name of Equipment	Specification
1	Inverted Microscope	<ol style="list-style-type: none"> 1. Inverted Microscope Frame with minimum 5 watt LED to maintain contrast color temperature through all stages of intensity with auto cut off function to save the energy. 2. Metal Body With scratch resistance stages, Universal slide holders, and object guide must be supplied with the microscope. 3. Long working distance condenser 80 mm for the larger volume cell container must be quoted; longer working distance will be given as preference. 4. Antimicrobial treated touch point which will inhibit the growth of micro organism on the microscope to help prevent the spread of disease via microscope surfaces for a healthier laboratory environment. 5. Objective for microscope with integrated phase slider <ul style="list-style-type: none"> 4x plan objective 10 X phase objective NA 0.2 20 X phase objective NA 0.2 40 X phase objective NA 0.2 6. 4 Position Objective Holder 7. 10X Eyepiece with FN 20. 8. Must have large stage surface allowing observation of Standard Cell Culture roller bottle. 9. Camera Attachment: 5 megapixel HD camera frame rate 30 fps with, pixel size 2.35x3.35 μm, sensor grade CMOS, Gain: 1x-12x, color depth 24 bit. It should have interfaces like USB2, HDMI etc. 10. Image capture and analysis software, basic analysis like linear measurement and area. 11. The microscope, camera and software should be supplied from the same manufacture for better compatibility and ease of after sales support. 12. Warranty 1 year.
2.	Biosafety cabinet	<ol style="list-style-type: none"> 1. Should be of Class II, TYPE B-2 100 % should be with factory fitted UV Light. 2. Internal Dimension (mm): approx. 1200 X 550 X 650 3. Working height of front window: approx 200-0250 mm. 4. Maximum opening height of front window: 552 mm. 5. Ventilation system: Exhaust/ inflow air vol CFM (M3/H) 665 (1130). 6. Heat emission : at 25 degree ambient Kw 0.022 7. Filter specification: Supply/exhaust air filter 99.99 % @ 0.3 micron. 8. Certification NSF/ANSI 49, ETL, CE is essential. 9. Pressure level Db (a) 65. 10. Fumigation with indicator level. 11. Angled cabinet front. 12. Pressure sensor monitoring. 13. Single piece work tray with unique work flow technology. 14. Full fittings of exhaust duct systems in the time of installation. 15. Supplied with 3 KVA servo stabilizers (120-280 V). 16. Warranty 3 years <p>Quoted price should be FOR destination</p>

3	Autoclave	<ol style="list-style-type: none"> 1. Microprocessor controller and temperature calibration 2. Automatic sterilization system for unattended operation. 3. Convenient operation modes for various uses. 4. Conveniently monitored by an independent control display, sterilization process display, and pressure gauge. 5. Temperature calibration function 6. Mechanical Safety Devices <ul style="list-style-type: none"> • Over current protection: • Over temperature protection: • Over Pressure Protection: 7. Safety Warning Systems <ul style="list-style-type: none"> • Over Temperature Warning: • Low Temperature Warning: • Low Heat Warning: • Sterilization Fail Warning: 8. Control : Microprocessor PID Control 9. Chamber Volume (L) : 50 10. Temperature Sterilization Temp (°C) : 110 to 123 11. Temperature Melting Temp. (°C) : 60 to 100 12. Safety : Over Temperature Protector Pressure Safety Valve Over Current Protector Warning Alert (Over Temp. Low Temp. / Low Heat / Sterilization Fail) 13.Timer : 0 to 999 min 14.Programs : Standard modes (Decontamination,Solids Sterilization, Liquids Sterilization, Melting) Program modes (Sterilization 1, Sterilization 2, Liquid Sterilization, Melting) 15.Dimension Interior (W x H) (mm) : 400 x 458 16.Dimension Exterior(W × D × H) (mm): 624 x 672 x 870 17. Extra heating element. 18.Warranty for 3 years 19.Quoted price should be FOR destination
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4	Refrigerated Centrifuge Machine	<ol style="list-style-type: none"> 1. Centrifuge should have cooling facility with temperature control : - 9°C to 40°C a. Maximum speed should have : above 25,000 rpm and Maximum ref : above 40,000 x g 2. Centrifuge should be supplied with : Fixed Angled rotor for 30 x 1.5/2.0 mL, 6 x 15 mL, 6 x 50 mL, and Swing Out rotor for 4 x 750 mL and PCR Plate Rotors 3. Motorized lid lock & interlock system 4. Rotor identification with over speed protection 5. Acceleration Time should have : 14 s, Braking Time should have : 15 s 6. Timer should have : 30 s to 99.59 hr, with continuous mode 7. Noise level should have : <55 dB(A) 8. Power Supply : 230V, 50/60 Hz, Power Requirement should have : max. 1,650 W 9. Should have low access height for easy loading and unloading of samples 10. Centrifuge should have the Built-in condensation drain to eliminate water accumulation and prevent corrosion 11. Should have soft-touch lid closure and Quick Lock caps for one-hand operation 12. Should have aerosol-tight Quick Lock rotor lids for ergonomic lid locking 13. Should have brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions for ep Green initiative. 14. CFC-free refrigerant with an ozone depletion potential (ODP) of zero 15. Facility should have to save maximum protocol with program name 16. Dynamic Compressor Control (DCC) technology should have for optimized cooling performance 17. Should have ECO shut-off facility to engage after 8 hours of non-use to reduce energy consumption and extend compressor life. 18. Fast Temp function for quick pre-cooling. 19. Centrifuge should be supplied with all Consumables like Centrifuge tubes of 1.5ml minimum 1000 pcs., 15/50 ml centrifuge tubes, micro centrifuge for day to day uses, liquid 20. dispensers of variable volume 2-20 µl, 20-200 µl and 100-1000 µl each. 21. A vortex shaker for mixing pellet. 22. Online UPS/ servo voltage stabilizer (With specification and price separately) 23. Local free servicing facilities for 3 years. 24. Quoted price should be FOR destination
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5	Water Bath Shaker	<p>Body Material : MS painted with powder coating</p> <ol style="list-style-type: none">1. Tray material: Stainless steel. SS cover is provided.2. Temperature range +5°C to 95°C.3. Digital Display with Microprocessor based PID controller of accuracy $\pm 2^{\circ}\text{C}$ by using ET 100 as sensor.4. Shaking speed 20-200 / 10-100 stroke per min (without load)5. Supplied with SS gabled cover.6. Continuous operation limit, up to 10-12 hrs.7. Tank Size: 20-25 ltrs.8. Should be visible in the form of LED Display.																																		
6	Hot Air Oven	<table><tr><td>Size</td><td>800 x 500 x 800 mm</td></tr><tr><td>Temperature Range</td><td>5°C above ambient to 250°C maximum</td></tr><tr><td>Temperature Accuracy</td><td>+ / - 2°C</td></tr><tr><td>Temperature Uniformity</td><td>+ / - 1°C</td></tr><tr><td>Controls</td><td>PID Controller</td></tr><tr><td>Temp Display</td><td>LED Display</td></tr><tr><td>Sensor</td><td>PT-100</td></tr><tr><td>Heating Element</td><td>Nichrome wire / Kanthal A1</td></tr><tr><td>Safety device</td><td>Over temperature protection Electric leakage breaker Temperature safety as per DIN 12880 Class 3.1</td></tr><tr><td>Exterior Chamber</td><td>MS powder coated</td></tr><tr><td>Interior Chamber</td><td>304 stainless steel</td></tr><tr><td>Insulation</td><td>Mineral Wool</td></tr><tr><td>Doors</td><td>Solid doors w/ silicone rubber gasket & lock</td></tr><tr><td>Shelves</td><td>2 – 3 Stainless steel shelves (Removable)</td></tr><tr><td>Air Circulation</td><td>Forced air circulation</td></tr><tr><td>Power Supply</td><td>220 Volt</td></tr><tr><td colspan="2">Warranty 1 Year</td></tr></table>	Size	800 x 500 x 800 mm	Temperature Range	5°C above ambient to 250°C maximum	Temperature Accuracy	+ / - 2°C	Temperature Uniformity	+ / - 1°C	Controls	PID Controller	Temp Display	LED Display	Sensor	PT-100	Heating Element	Nichrome wire / Kanthal A1	Safety device	Over temperature protection Electric leakage breaker Temperature safety as per DIN 12880 Class 3.1	Exterior Chamber	MS powder coated	Interior Chamber	304 stainless steel	Insulation	Mineral Wool	Doors	Solid doors w/ silicone rubber gasket & lock	Shelves	2 – 3 Stainless steel shelves (Removable)	Air Circulation	Forced air circulation	Power Supply	220 Volt	Warranty 1 Year	
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7.	Walk In Incubator	<p>The Walk in Incubator Room Should be a fully Programmable one with controlled temperature & light (Optional Humidity). It should have the following features and specification:</p> <ol style="list-style-type: none"> 1. Capacity: 8500 Ltrs. 2. Internal dimensions (H*W*D) 8 x 6 x 8 ft 3. PID Microprocessor based Temperature Control. 4. Temperature Range: + 10 to 57⁰c, temperature Accuracy $\pm 2^0$c, Temperature Uniformity $\pm 1^0$c. 5. Humidity Controller. 6. Double walled with 80 mm PUF insulated modular panels with easy on- site assembly. 7. Observation window- 300 x300 mm 8. Flooring of Linoleum carpet. 9. CFC free cooling system consisting of hermetically sealed compressor coupled with evaporation coil & condenser. 10. System is made up of split type condenser unit in well- ventilated area to avoid throw of hot air in the room. 11. High quality PT-100 temperature sensors 12. Safety devices: low & high temperature cut-off settable thermostats. 13. Should have Stand by cooling System with auto switch over. 14. Audio/ visual alarms for deviations and 2 minutes auto alarm cut-off. <p>Accessories:</p> <ol style="list-style-type: none"> 1. Roller Bottle Apparatus : <ul style="list-style-type: none"> • Accommodate 16- 20 standard roller bottles • RPM: 0.1 to 7 • Digital display and Alarm system. • Enables use in humid condition. 2. Stainless Steel Rack (2 No) : <ul style="list-style-type: none"> • Dimensions: 4 x 1.5 x 6 ft • 4 to 5 SS Platforms
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Terms and Conditions

1. The quotation fees of Rs.200/- (Rupees Two hundred only) in favour of The Directorate of Research, AAU, Khanapara is not refundable. Those who will submit the quotation by down loading the tender documents, they must have to submit the quotation fee in the form of DD along with the quotation without which quotation will be rejected.
2. The bidder shall enclose EMD 2% of the quoted price (FOR THE ITEMS AT ANNEXURE – I) in the shape of DD drawn in favour of Director of Research, AAU, Khanapara – 781022. The bids that are not accompanied by the aforesaid bid security will not be accepted. The details of bid security must be provided. The bid security of the unsuccessful bidders will be released after issuing supply to the successful bidder and the bid security of the successful bidder will be released after execution of the order.
3. The quotation shall be sealed and super scribed at the top of sealed cover “Quotation for Lab Equipments/Appliances invited vide memo No: No. 99/DRV/263/F-05/19-20/ dtd :
4. Quoted price: to facilitate format evaluation, the bidder shall quote the price of items separately along with relevant papers for supporting the quoted price such as catalogue, dealership certificate and CD's printed price list, user list etc. failing which the bid shall be treated as non-responsive at the discretion of the purchaser.
5. The bid submitted by the bidder shall remain valid for a period of 90(ninety) days. Bid not conforming to this provision shall be treated as non-responsive.
6. To facilitate prompt evaluation, the bidder shall provide Technical Compliance Report (TCR) and price data for each item separately.
7. Quotation must be submitted along with the Soft copy of the quotation in CD (to support in Microsoft words only) in the attached format failing which the bid treated as non-responsive, at the discretions of the purchaser. In case of any optional items, pictures should be shown separately. Any discrepancies in the soft copy will be the responsibility of the quotationers.

Format:

Name of Item	Brief Specification	Unit Price	GST/Freight Charge if any (FOR AAU, Khanapara)/exemption if any	Total

Format for EMD Details

Sl.No	Sl. No of the item(as per bid document)	Name of the item quoted	Basic price of the item (Excluding taxes and transportation charges)	Price in Indian Rupee (For Imported items at the prevailing rate of exchange)	Amount of EMD (2 % of basic Price)	Details of EMD submitted including amount and validity

Format for Technical Compliance Report & Price Data

1. Sl. No of the item (as per bid document)
2. Name of the item:
3. Name of scheme:

Sl no.	Specification asked for (Strictly as mentioned in bid document)	Specification offered (Corresponding to specification in bid document)	Technical compliance (yes/no)	Variation if any	Technical literature supporting the technical compliance (Suitably tagged)

FORMAT FOR QUOTATION

(Separate Quotation for individual items to be submitted)

Sl no.	Name of the item (s)	Brief specification	Unit price	% of GST/ Freight charge if any (FOR AAU, Khanapara)	Total Amount

8. The rate shall be quoted for all duties, taxes and other levies payable by the bidder shall be included in the item rate. GST should be quoted separately (TIN No/GST No. must be furnished).
9. There should not be any overwriting. Corrections, if any, should be made with dated initial of bidder. Bidder shall submit quotation separately in each item.
10. Rates should be quoted clearly both in words and figures separately for each item without which the quotation shall stand rejected.
11. The price quoted shall be fixed and not subject to adjustment/variation during the performance of the contract.
12. The warranty of the items shall be as per the prevailing warranty policy/certificate of manufacturer (where necessary) for the items and warranty period shall not be less than months from the date of commissioning of items at site.
13. The bidder shall furnish the warranty for all the items at the time of delivery and commissioning. The purchaser shall reject the items not enclosed by warranty certificate from their manufacturer. The warranty certificate should be duly signed and sealed.
14. Bidders must supply the items at their own cost. All machineries/equipments are to be supplied FOR destination. Delivery of goods shall have to be completed within 30 (thirty) days from the date of issuing supply order.
15. Installation and commissioning charges, if any, inclusive of expenses of foundation work etc. are to be mentioned separately against each machine. In case of no mention, the same will be considered as inclusive of installation cost whenever applicable.
16. The machineries are to be supplied ready to operate, complete with motor, starter and any necessary gadgets including catalogues, trouble shooting manual etc. without which the same will be considered as incomplete supply.
17. List of spare parts with current price to be required during operation of the machines and addresses of the source of spare parts availability including contact no., e-mail etc. are to be provided in a separate sheet.
18. Price of one set of critical wearable spares that would hamper the working of the machineries/equipments should be mentioned separately against each machine.
19. The supplier shall provide free maintenance services during the period of warranty. Any repair and maintenance including providing of spare parts (covered by manufacturer's warranty certificate) during the warranty period shall be bidder's responsibility.

20. Detailed specification with make, model, size, and code no., catalogue, and name of manufacture should be furnished. ISO certificate must be furnished for the offer make where applicable.
21. Copies of S.S.I registration or such documents may be produced with quotation.
22. Attested copies of dealership certificate and Co's printed price list must be enclosed with the quotation.
23. Up-to-date sale Tax clearance certificate and Income Tax return of last two years duly attested must be submitted along with the quotation. PAN No. must be furnished.
24. All payment shall be made preferably in Indian Rupees only.
25. Where ever the laws and regulations require, deduction of taxes at source of payment, the purchaser shall effect such deduction from the payment due the supplier, the remittance of amounts so deducted and insurance certificate for such deduction shall be made by the purchaser as per the laws and regulation in force.
26. The quotation will be opened within a week of last date of submission; the date of opening quotation will be informed either telephonically or through email to the bidders. The bidder or his authorized representative may attend the bid opening. Except price, no other details will be announced during the opening.
27. Every page of the bidding documents purchased from the purchaser are to be signed by the bidder including their acceptance of terms and conditions and returned with their quotation.
28. The undersigned reserves the right to accept or reject any quotation and to cancel the instant bidding process and reject all quotation at any time prior to award of contract, without thereby incurring any obligation to the affected bidders of grounds for the purchaser action.

We agree to supply the above items in accordance with the technical specification mentioned. We also confirm that normal commercial warranty / guarantee ofmonths shall apply to the offered goods.

Quotationers Name :

Date

Signature