

ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION

(University under Sec. 3 of UGC Act, 1956)

Indian Council of Agricultural Research

Panch Marg, Off Yari Road, Versova, Andheri (West),
Mumbai-400061

Tel. No. 022-26361446/7/8

Fax No. 022-26361573

Web Site: www.cife.edu.in



QUOTATION DOCUMENT



QUOTATIONS FOR EQUIPMENTS

UNDER

National Agricultural Higher Education Project



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F. No.49(18)/Master File /File/2019-20

Date: 14 .08 .2019

The Director, ICAR-Central Institute of Fisheries Education, Ministry of Agriculture and Farmers' Welfare, Government of India, invites most competitive quotations in sealed envelope under National Agricultural Higher Education Project "NAHEP" for the following Equipment from the reputed Indian / Foreign manufacturers and / or their accredited / sole authorized distributors /dealers-

Item no. as per the document	Particular	QTY
01	Automated tissue processor	1
02	Isoelectric focusing electrophoresis, software and accessories	1
03	Inverted microscope	1
04	Plate drier with conveyer belt	1
05	Multiple water analyser	1
06	PIT Tag and TAG reader	2
07	Pumps, accessories and other minor equipment's	1
08	Cooling centrifuge	1
09	Cryo cans	2
10	Subscription of database, survey software, web conferencing solution, Data	1

TERMS & CONDITIONS OF QUOTATIONS

1. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
2. Quotations must be submitted in the original prescribed form separately for each equipment with rates for delivery in the places mentioned in the document duly addressed to the Director, ICAR-CIFE, Mumbai-400061 in a sealed cover super scribing as **QUOTATION FOR EQUIPMENT FOR THE YEAR 2019-2020 UNDER NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT (NAHEP)** with the Item no. and Name of equipment.
3. All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
4. In case the date of issued/receipt of opening of quotation is declared as Holiday for unexpected reasons, the quotation will be issued /received/opened on the next working day at the same time. The quotation documents are non-transferable. Director of the institute reserves the right to accept/reject any or all the quotations without assigning any reason thereof.
5. Quotations received **after the DUE DATE and TIME** will not be accepted in any circumstances.
6. The schedule to the quotation form should be submitted in prescribed format only.
7. Only one quotation should be included in one envelope. Where more than one quotation is included in an envelope, all quotation so enclosed in one envelope will be liable to be ignored.
8. Prices for extended warranty for one year and two years should be given separately. However decision about the warranty will be taken by purchaser at later stage.
9. No EMD and Tender fee are applicable.
10. 5% of total cost of equipment has to be submitted in form of F.D./ Demand Draft as security deposit.

11. LATEST HOUR FOR RECEIPT OF QUOTATION

Unless otherwise specified in the schedule to quotation, your quotation must reach this office not later than 13.00 hrs. on the date of **04.09.2019** of the quotation. Quotation sent by hand delivery should be put in the quotation box kept in **NAHEP Office, 2nd floor, Room no. 225** located at Yari Road Campus of ICAR-CIFE, not later than 13.00 hrs. on the due date unless otherwise stipulated in the schedule to tender.

12. OPENING OF QUOTATION:

You are at liberty to be present or authorize a representative to be present at the time of opening of the quotation at the time and date as specified in the schedule. The name and address of the representative who would be attending the opening of the quotation on your behalf, should be indicated in your quotation. Please also state the name and address of your permanent representative, if any.

**For and on behalf of
ICAR-Central Institute of Fisheries Education
Panch Marg, Off Yari Road, Versova
Andheri (West), Mumbai-400061**

Signature



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- | | |
|--|-------------------|
| 1. Issue of Quotation Document on | 14.08.2019 |
| 2. Last date for issue of tender document on | 04.09.2019 |
| 3. Date of Pre-bid meeting at 15.00 hrs on | 21.08.2019 |
| 4. Acceptance of sealed tenders till 13.00 hrs on | 04.09.2019 |
| 5. Opening of tender at 15.00 hrs on | 04.09.2019 |

Name of the equipment: _____

Item No. : _____

QUOTATIONS FORM HAS TO BE SUBMITTED SEPARATELY IN SEALED ENVELOPES

To,

M/s.

.....

Sub: Supply of Quotation Form - reg.

Dear Sir,

Please find enclosed herewith the quotation form along with detailed specifications for the supply of equipments mentioned in Annexure – 1.

Kindly acknowledge the receipt of the same.

Yours faithfully

Senior Administrative Officer

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(To be returned by Bidders along with the quotation duly completed and signed)

Name of Equipment: _____

Item No. : _____

Sl. No.	Description of Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	Please refer Annexure – 1	* **	*	*	*		
Total							
Sales Tax							

****Prices for extended warranty for one year and two years should be given separately**

Gross total cost _____ (in figures)
(_____

_____ (in words).

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (amount in figures) (Rs. _____ amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of _____ months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We also confirm that the normal commercial warranty/guarantee of _____ months shall apply to the offered goods.

Supplier Name : _____

Signature : _____

Date : _____

INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS UNDER NATIONAL SHOPPING PROCEDURES

To

Dear Sir,

Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF FOLLOWING EQUIPMENTS

1. You are invited to submit your most competitive quotation for the following goods:-

Brief description of the Goods	Specifications*	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Automated tissue processor		1	30 days	HQ CIFE, NEW CAMPUS	Yes
Isoelectric focusing electrophoresis software and accessories		1	30 days	HQ CIFE, NEW CAMPUS	Yes
Inverted microscope		1	30 days	HQ CIFE, NEW CAMPUS	Yes
Plate drier with conveyer belt		1	30 days	HQ CIFE, NEW CAMPUS	Yes
Multiple water analyser		1	30 days	HQ CIFE, NEW CAMPUS	Yes
PIT Tag and TAG reader		2	30 days	HQ CIFE, NEW CAMPUS	Yes
Pumps, accessories and other minor equipment's		1	30 days	CIFE, Centre, Rohtak Haryana	Yes
Cooling centrifuge		1	30 days	HQ CIFE, NEW CAMPUS	Yes

Cryocan		2	30 days	HQ CIFE, NEW CAMPUS	Yes
Subscription of database, survey software, web conferencing solution,		1	30 days	HQ CIFE, NEW CAMPUS	Yes

***Package: items to be supplied together as package**

Annexure - 1

TECHNICAL SPECIFICATION:

Item No. 1 Automated tissue processor (1 no.) To be Delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

- Microprocessor controlled automatic tissue processing system for complete automatic dehydration and filtration of tissues, up to final fixing in wax
- The vacuum tissue processor should be carousel type with 1.0 litre each; 10 reagent stations, 2 wax baths.
- Vacuum for all stations mandatory and vacuum pump must be integrated in the instrument to minimize the contamination of reagent fumes in the lab environment.
- User programmable parameters like infiltration time delay time, vacuum on-off, agitation on-off
- The tissue processor should have Metal and should not have plastic or polypropylenes.
- The tissue processor should have vacuum to all the reagent containers from 1st station to 12th station.
- The tissue processor should have Delayed start function up to 7-9 days should be possible. Auto-restart function should also be available.
- The vacuum tissue processor should have vertical agitation or spiral or centrifugal with cycle of 3 seconds.
- The vacuum tissue processor should have should have freely selectable programs.
- The vacuum tissue processor should have drain time should not exceed 60 sec.
- The vacuum tissue processor should have Baskets should automatically immerse in a station during the power failure.
- The equipment should be USA- FDA & European- EC approved.
- Warranty – 1year from date of installations.

Item No. 2 Isoelectric focusing electrophoresis software and accessories (1 no.) To be Delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

- The system should include Individual Lane Control for running different samples, pH Gradients and focussing protocols in a single run
- The system should be able to run at least 10 IPG strips at a time
- Focusing trays should be made of polycarbonate for contaminant-free process
- The system should have a peltier based cooling platform.
- The system should be supplied with at least IPG strips of pH 3-10, focusing tray, rehydration tray, forceps, mineral oil, cleaning brushes, styluses, power cord, comb, levelling bubble etc.
- The system should accommodate IPG strip length 7, 11, 13, 17, 18, and 24 cm

- The system should have touch screen user Interface for easily creating and editing protocols and setting up the program rapidly
- The software should have a 3D viewer for visualising user-defined area of the gel for spot quantity comparison and 3D orientation of overlapping and well-isolated proteins
- The software should have sophisticated algorithms for Automatic Spot Detection & Quantification.
- Scatter plot tool for convenient identification of up and down-regulated proteins and variable background removal to quantitate low abundance protein is preferred

Item No. 3 Inverted microscope (1 no.) To be Delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

- Optical system: Phase contrast Inverted Microscope
- Eyepiece: 10X Achromatic Wide field
- Objectives: Achromatic Standard Microscope Objectives (4X, 10X, 20X, 40X, 60X, 100X)
Plan Apo Infinity-Long WD Objective (1X, 2X, 5X, 7.5X, 10X, 20X, 50X, 100X)
Plan Fluorite Objectives (4X, 10X, 20X, 40X, 60X, 100X)
Achromatic Semi Plan Microscope Objectives (4X, 10X, 20X, 40X, 60X, 100X)
- Nosepiece: Sextuple revolving objective nosepiece (Accommodate up to 6 objectives)
Nosepiece have slots for filter sliders
- Condenser: Universal type (N.A. 0.9) 1.25x - 100x with iris diaphragm and filter holder
- Fluorescence filter assembly: 6 position turret. The filters can be easily insertable and removable.
- Filters: Fluorescence filters for Blue and Green excitation
- Camera: 1.8" 6.1MP 12-bit Cooled CCD Camera
- Software: Image capture and analysis IMAGE Pro Ver.
- Focus Vertical stage movement: 50mm stage stroke with coarse, fine adjustment
- Microscopic stage: Large stage with travel range of 120mm X 75 mm is available as standard option designed as a universal mounting frame, should hold petri dishes, specimen slides & well plates and holder for taste tube
- Fluorescence Light Source: 12V100W halogen bulb
- Number of light ports: 3 (LED Illumination. Quartz Halogen & Laser (Optional)
- External port: External lasers can be used as co-axial illuminator
- Illuminator: Built-in illumination
- Shutter: Manual Shutter unit
- Image analyzing system: Compatible hard ware with 17" LED monitor
- IEF System and 2D Analysis Software should be from the same manufacturer

Item No. 4 Plate drier with conveyor belt (1 no.) To be Delivered at HQ CIFE, NEW CAMPUS, Mumbai

- Capacity: 2 - 4t/h
- Power: 3 x 8 kW

- Automatic Grade: Automatic
- Dimension: 10025 x 5003 x 4010mm (LxWxH)
- Production Capacity: 150-200kg/hr
- Capable for drying the feed pellets
- Electric heating
- Controllable net belt running speed and drying time
- Advanced loading and laying-off material device, with high automation

Item No. 5 Multiple water analyzer (1 no.) To be Delivered at HQ CIFE, NEW CAMPUS, Mumbai

- Wave length range: 200-1100 nm
- Lamp source: Preferably tungsten (visible range), deuterium (UV range)
- Operating mode: Transmittance, absorbance, concentration
- Wavelength resolution: 0.1 nm
- Wavelength selection: Automatic and based on input
- Scanning speed: 900nm/min with 1 nm Step
- Photometric range: ± 3 Abs
- Spectral band width: 2 nm
- Display: TFT WVGA Color touch
- Programmed methods: To select at least for 250 parameters
- Sample cell compatibility: Rectangular 10, 20, 30, 50 mm and preferably 100 mm also, Round 16 mm, 1 inch and preferably both
- Operating condition: Compatible for use up to 40° C and 80% relative humidity
- Data logging: For minimum 2000 samples and maximum up to 5000 samples with date and time and sample ID Compatible for conventional and kit-based methods
- Warranty 2 years against any defects
- To be delivered at ICAR-CIFE, Mumbai

Item No. 6 PIT Tag and Tag reader (1 no.) To be Delivered at HQ CIFE, NEW CAMPUS, Mumbai

Description of items with detail specification	Quantity
PIT Tag <ul style="list-style-type: none"> • Biocompatible glass tag, 100% safe & reliable for the small animal • RFID tranponder for subcutaneous injection to small animal • Size 12mm X 2.12mm diameter • Reading distance up to 10-15cm • The needle and the pusher are packaged individually in a sterilize packaging • ISO 11784/85 as well as ICAR certified 	4000
Tag reader <ul style="list-style-type: none"> • Hand portable PIT tag reader • Conforms to the technical specifications of ISO standards 11784 & 11785 • LCD screen to display the menu function & animal ID read • Wireless communication & Bluetooth module • Associate the day and time of reading with all ID number stored • Power is provided through 7.2 VDC NiMH rechargeable batteries • Powered with a researchable battery 	2

<ul style="list-style-type: none"> • Memory up to 3000 ID numbers • Delivered with a transport/storage box optimum usage • Provided with a combined USB battery charger, rechargeable batteries, test tag 	
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Item No.7 Pumps, accessories and other minor equipment (1 no.) To be Delivered at ICAR-CIFE Rohtak Centre

Item No. 8 Cooling centrifuge (1 no.) To be Delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

- Max Speed: 15,000 rpm / 25,000 g or more
- Temperature range: -10 oC to ambient, CFC free refrigeration

S. No	Item	Specification	Quantity
1.	<u>Submersible Pumps (10 H.P)</u>	2 pole 2800 rpm for 200 mm boaring Out let capacity: 75 mm	<u>2 nos.</u>
2.	<u>Sludge pumps</u>	<u>3 H.P capacity</u>	<u>3 nos.</u>
3.	<u>A/C Cable</u>	<u>25 mm 3.5 core</u>	<u>300 mts</u>
4.	<u>A/C Cable</u>	<u>95 mm 4 core</u>	<u>200 mts</u>

- Sample temperature: < 4 °C at maximum speed
- Centrifugation volume/Rotor: 1.5 ml □24, 50 ml □8 or 85 ml □6 capacity, fixed angle rotor (rotor included) with adapters for 15 ml tubes. Swinging bucket rotor for 4 x 200 mL OR 4 x 400 mL capacity
- Rotor identification: Automatic, should have imbalance detection system
- Display: Should display speed, RCF, time and temperature
- Programs: Minimum 25 user defined programs
- Pulse/short run: Required
- Lid: Auto opening at the end of centrifugation
- Centrifugation chamber: Stainless steel, corrosion resistant
- Maximum timer range: 99 h 59 min, continuous
- Certifications: CE marked, biosafety certified, requirements of IEC 1010-2-020 safety
- Acceleration / Deceleration Rates: 9/10
- Changing of rotors: Should have provision to install and remove rotor without any external tool with push of a button for quick and easy change of rotors
- Stabilizer: Appropriate stabilizer should be included in the quote
- Warranty: Three-year warranty should be provided

Item No. 9 Cryocan-1 (No. 1) To be Delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

Description of Items with detail specification	Quantity Required
<p>Cryocan-1</p> <ul style="list-style-type: none"> • Storage Capacity: 11.6 L • Empty Weight: 6.5 Kg • Full Weight: 15.9 Kg • Neck Diameter: 51mm • Outer Diameter: 300mm • Total Height: 610mm • Static Evaporation Loss Rate: 0.14 Ltrs/Day • Static Holding Time: 83 days • Canister OD: 38mm • Canister Height: 120/280mm • No: of Canisters Required: 6 • Straw Capacity (Single Level): 720 For 0.5 ml and 1560 For 0.25 ml • Straw Capacity (Double Level): 1440 For 0.5ml and 3120 For 0.25ml • Warranty: 1 Year 	1
<p>Cryocan-2</p> <ul style="list-style-type: none"> • Storage Capacity: 47.3 L • Empty Weight: 15.9 Kgs • Full Weight: 54.1 Kgs • Neck Diameter: 120mm • Outer Diameter: 460mm • Total Height: 700mm • Static Evaporation Loss Rate: 0.38 ltrs/day • Static Holding Time: 124 days • Canister OD: 72mm • Canister Height: 280mm • No: of Canisters Required: 11 • Straw Capacity (Double Level): 11000 for 0.5ml and 24000 for 0.25ml • Warranty: 1 year • Trolley should be provided with system 	1

Item No. 10 Subscription of database, survey software, web conferencing solution (1 no.) To be Delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

Item	Description of Items with detail specification	Qty	Purpose for which the item is required
Offline Survey Application (SurvTapp)	Offline survey application for capturing data on tablets, mobiles and on web; Upto 300 devices; No. of Surveys-50; No. of responses-18000; Should work offline; Page break; Android phone, tablet and web surveys; Should answer via	1	Enables effective, speedy and authentic data collection by Project staff, MFSc & PhD students as well as Faculty.

	<p>open app; Question types- short text, text box, Boolean, multiple choice; Dropdown menu; radio box; slider, smiley & star rating; image selection; date capture; image capture, audio capture; QR code reader; signature capture; embed image (brochure); net promoter score; email address; mobile number; image before question; welcome message; unique ID card scanner; matrix variable; invite by email; make question required; other answer option; skip logic; text block; app question loop; preview responses; chained questions; app data recovery (online/offline); live chat; email support; real time reports; graphical representation; export to CSV, PDF; add your own logo; app font size; app language preference; remote powered Survtapp; data storage-750MB; Subscription for 2 years</p>		<p>Also helps in obtaining quick feedback from primary stakeholders</p>
<p>Survey Monkey Online Survey Application</p>	<p>Web based online application for designing and conducting professional surveys; Single User; Can build surveys and analyze results; No. of surveys-unlimited; Questions per survey- unlimited; No. of responses- unlimited; get responses via web, social or email; No. of collectors-unlimited; Pop up online surveys; Track email responses; Mobile apps for iOS & Android; Recurring surveys; 27/7 email support; prioritize email support under 1 hour; 13 essential question types; all language supported; labeling, titles & numbering; expert, pre-written survey templates- 180+; matrix questions; collect contact information; video & image questions; rating questions; quiz scoring & instant results; matrix of dropdown menus; file upload; question and page randomization; A/B test question type; multilingual surveys; text</p>	<p>1</p>	<p>Enables very cost-effective, quick and authentic data collection online by Project staff, MFSc & PhD students as well as Faculty. Also helps in obtaining quick feedback from various stakeholders</p>

	<p>formatting; add your logo; custom themes, colors & more; custom survey monkey URL; display a thank you, disqualification page; custom HTML email invitations; question & answer piping; custom variables; Real time results; share survey data; data trends; filter and compare results; word clouds; tag written answers; dashboard password protection; statistical significance; generate custom charts & reports; print reports; download results as CSV, XLS or PDF; download results in PPT format; export to SPSS; require answer completion; answer validation; randomize answer choices; set survey end date; view respondents IP address; record respondent email address; confirmation email to respondents; set max response count; enable IP blocking; send surveys; Extract data; Subscription for 2 years</p>		
STATA 16 SE	<p>Statistical software for analysis of socio-economic data; Features: reproducible reporting; meta-analysis; choice models; python integration; Bayes-multiple chains, Panel data ERMs; Import from SAS & SPSS; Non-parametric series regression; Multiple datasets in memory; sample size analysis for CIs; Panel data mixed logit; Non-linear DSGE models; Multiple group IRT; Xtheckman; NLMEMs with lags: PK models; Heteroscedastic ordered probit; Point sizes for graphics; Numerical integration; Linear programming; File editor autocompletion; 5 users perpetual paper licence.</p>	1	<p>Essential for analysis of socio-economic and ecological data (cross-sectional / panel, linear / non-linear, baseline & post-Project) and generate effective graphs</p>
Data Analytics & Visualisation Software (Power BI Pro)	<p>Professional data / business intelligence software for bid data analytics & visualisation giving insights to enable fast, informed decisions;</p> <p>Features: Transform data into stunning visuals and share with</p>	1	<p>Essential for analysis of large volume of data especially secondary data and generate effective visuals /</p>

	<p>colleagues on any device; Visually explore and analyze data—on-premises and in the cloud; Collaborate on and share customized dashboards and interactive reports; Scale across your organization with built-in governance and security; Maximum size of individual data set: 1 G; Max. storage: 10 G per user; Max. automatic refreshes per day – 8; Cloud service; Monitor content creation, consumption, and publishing with user metrics; Data security and encryption; Creation of data visualizations, reports, and dashboards; Standard and big data prep and ETL; Access to a library of visuals and the custom visual SDK; Access to data connectors for cloud and on-premises data sources; Out-of-the-box visualizations, themes, and personalization options; Analyze data in MS-Excel; Embed content in other interfaces like Teams, SharePoint, or other SaaS applications; View and interact with content through mobile app (iOS/Android/Windows); Ask questions;</p> <p>3 User Licenses for 2 years subscription</p>	<p>infographics; for training of MFSc & PhD students.</p>
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Address of Delivery location:

- ICAR-Central Institute of Fisheries Education (New Campus), Panch Marg, Off Yari Road, Versova, Andheri (West), Mumbai-400061
- **Centre In charge**
ICAR-CIFE, Rohtak Centre, Lahli, Via Anawal, Rohtak – 124 411, Haryana