

# 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](http://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 /NAHEP/2019-20

Date: 26.11 .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.	Particular	QTY
01	Aerator and Blower	Mentioned in specs
02	Pro-multimedia editing suite, accessories, software, etc.	Mentioned in specs
03	NAS storage server, workstations, etc.	Mentioned in specs
04	Vertical Laminar Air Flow Chamber	1
05	-20°C deep freezer	1
06	Horizontal gel electrophoresis	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 **17.12.2019** of the quotation. Quotation sent by hand delivery should be put in the quotation box kept in **NAHEP Office, 2<sup>nd</sup> 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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F. No. 49(18)/Master File /NAHEP/2019-20

Date: 26.11.2019

1. Issue of Quotation Document on	26.11.2019
2. <b>Last date for issue of tender document on</b>	17.12.2019
3. Date of Pre-bid meeting at 15.00 hrs on	09.12.2019
4. <b>Acceptance of sealed tenders till 13.00 hrs on</b>	<b>17.12.2019</b>
5. <b>Opening of tender at 15.00 hrs on</b>	<b>17.12.2019</b>

**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 equipment's mentioned in Annexure – 1.

Kindly acknowledge the receipt of the same.

Yours faithfully

**Senior Administrative Officer**

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Date: 26.11. 2019

**(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
Aerator and Blower		Mentioned in specs	30 days	CIFE CENTRE, ROHTAK, HARYANA	Yes
Pro-multimedia editing suite, accessories, software, etc.		Mentioned in specs	30 days	HQ CIFE, NEW CAMPUS	Yes
NAS storage server, workstations, etc.		Mentioned in specs	30 days	HQ CIFE, NEW CAMPUS	Yes
Vertical Laminar Air Flow Chamber		1	30 days	HQ CIFE, NEW CAMPUS	Yes
-20°C deep freezer		1	30 days	HQ CIFE, NEW CAMPUS	Yes
Horizontal gel electrophoresis		1	30 days	HQ CIFE, NEW CAMPUS	Yes

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

## Annexure - 1

### TECHNICAL SPECIFICATION:

**Item No. 1 Aerator and Blower. To be delivered at ICAR-CIFE Centre, Rohtak, Haryana**

#### **Paddle wheel aerators**

- Motor 2 HP, Self Cooling
- Gear Box Cast Iron with bevel gear
- Motor Cover 100% virgin HDPE with UV resistance
- Impeller 4 unit 100% virgin PPCP
- Frame Stainless steel powder coated
- Float 3 unit 100% virgin
- Rated Power 1.5 KW
- Phase 3 phase
- Voltage 400 V±20 V
- Rated frequency 50 Hz
- Speed >1400 rpm

#### **Air Blower (A1 Twin Lobe Rotary Air Blowers)**

REC. MOTOR	FLOW RATE M <sup>3</sup> /HR	MAX. PR. MMWG	SPEED OF BLOWER (RPM)	MIN. REC. DISCH. LINESIZE (mm NB)
3 HP	160	2000	1200	80
7.5 HP	540	2000	1200	100
10 HP	750	2000	1200	125

**Item No. 2 Pro-multimedia. To be delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai**

Sl. No	Item	Description of Items with detail specification	Qty
2a.	All-in-one professional audio preamp, I/O, and monitoring interface	<i>Avid HD OMNI i/o</i> : All-in-one preamp, I/O, and monitoring interface designed for Pro Tools   HD systems; 4-in/8-out project audio interface; 4 x 8 Analog, 8 x 8 digital simultaneous I/O; 24-bit/192kHz A/D resolution; 2 number of preamps; 4 x XLR (Mic), 4 x TRS (line), 2 x TRS (return)	1

		<p>analog Inputs; 1 x DB25 (8 Ch.), 2 x TRS, 2 x TRS (send), 1 x TRS (headphones) analog outputs; 1 x AES/EBU (XLR), 2 x S/PDIF (coax, optical), 1 x ADAT (optical, 8 Ch.) digital inputs; 1 x DB25 (AES/EBU, 8 ch.), 2 x S/PDIF (coax, optical), 1 x ADAT (optical, 8 ch.) digital outputs; 1 x Word Clock (In/Out on BNC), 1 x Loop Sync (In/Out on BNC) Clock I/O; 1U Rack Spaces; 3 year standard warranty.</p> <p><i>USB Key Software Authorization Device: Pace iLok Gen3 to allow the licensed software to be used at different workstations; Compact &amp; can store up to 1500 licenses (license-dependent)</i></p>	1
2b.	Professional audio editing software	<p><i>Avid Pro tools Ultimate software (academic license - perpetual): 384/192/96 (up to 768 with three voice packs); simultaneous voices/audio tracks; 1.7 ms latency; 256 instrument tracks; 1,024 MIDI tracks; 512 aux tracks; unlimited busses; 64 channels of I/O; 16,383 samples automatic delay compensation; 32-bit floating point processing depth; 64-bit floating point mixer depth; CPU host DSP power.</i></p>	1
2c.	Portable professional live streaming device	<p>Portable professional live streaming device (one channel HD encoder): stand-alone device (don't require computer) that can record/stream &amp; loop through 1 channel of HDMI + embedded audio; supports live streaming (live broadcast) via WiFi and/or Ethernet of lectures/events to online social media platforms like YouTube Live, Facebook Live, Twitter and/or customized RTMP server; shall support cable free control of the device via on-device buttons or intuitive Android/iPhone smartphone app; Live broadcast for 2.5+ hours with internal rechargeable Li-ion battery; Input: HDMI Input: Dual 1080p/60Hz HD HDMI signals; Output Interface: USB3.0 / USB 2.0; HDMI; HDMI loop-through; 3.5mm audio jack; Network Interfaces: Wired Ethernet - 10/100/1000Mbps Ethernet, Inbuilt Wi-Fi - 802.11 a/b/g/n/ac, Bluetooth 4.0 BLE;</p> <p>Supports recording features to USB flash drive and mobile device; Remote control features in App supports setting up volume, network, recording and live streaming parameters.</p> <p><b>Accessories:</b> Power adapter, USB cable, manual, etc.</p>	1





		<i>Accessories:</i> Compatible ceiling mount kit & installation; WiFi Adapter; Remote control & other standard accessories. 1 Year standard warranty;	
2g.	Fixed Frame Projection Screen	<p>Dimensions: 150-inch Diagonal, 78.3" H x 135.4" W. View Size: 73.5" H x 130.7" W. 16:9 Aspect Ratio. Black Velvet Frame.</p> <p>Screen Material: CineWhite, 1.1 Gain. 4K Ultra HD and Active 3D Projection Ready; Features 160° viewing angle with fully black backed front projection screen material; Mildew resistant, and easy to clean.</p> <p>2.7" light wt. aluminum frame with dense black velvet finish made to absorb projector overshoot &amp; increase contrast; sliding wall brackets, drywall anchors, and screws; 2 Year Manufactures Warranty; ISO9001 certified manufacturer; installation with wall mount.</p>	1
2h.	Electronic lectern / PA System with built in Amplifier	<p>Branded and compact wireless lectern / PA system integrated inside an attractive plastic / wooden body; Built-in 40 Watts amplifier, VHF wireless microphone receiver &amp; high quality handheld wireless mic; adjustable reading lamp and a gooseneck wired microphone; built-in speaker system with 3 nos. dual cone speakers; 6.3 mm phone jack or a line source through an XLR connector for wired mic; Built in digital recorder/MP3 player to record on USB pen drives / SD cards; stereo auxiliary input L&amp;R RCA plug; LINE OUT &amp; REC OUT through mini male XLR &amp; 6.3mm phone socket; Rugged &amp; stable floor standing base; Can be fixed to the floor with brackets (provided); ISO Certification; I Year Warranty; installation.</p>	1
2i.	UPS for power back up	<p>Branded ISO Certified 1000VA 600W UPS with 45 minutes back up time for workstations and monitor; 3 years warranty</p>	2
2j.	Professional digital mixer	<p><i>Professional digital audio mixing console:</i> 96kHz multi-track live recording with a single connection; full suite of VCM effects and high-resolution REV-X Reverbs; powerful mixing capacity, versatility &amp; expandability: 40 Input/20 Bus Mixing at 96kHz; 6 analog channel inputs; USB 2.0 connectivity for playback and multi-track live recording; single connect DAW integration and 96 kHz 16 in/16 out live audio streaming, fast flexible patching, precision motor faders, intuitive selected channel, layer</p>	1

		switching & fader mode, user defined keys, editor for control of console parameters via computer; Cubase AI for flexible & intuitive platform; 3 year warranty and standard accessories	
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Note: indicate prices for 2a, 2b, 2c, 2d, 2e, 2f, 2g, 2h, 2i and 2j separately.

The participating vendor shall quote for all the items listed above to be considered as eligible.

The above items are meant for establishment of a communication lab and hence, the vendors are encouraged to visit the site, understand the cabling requirement and installation. The price quoted shall be inclusive of necessary cabling, installation and demo.

**Item No.3. NAS Storage server. To be delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai**

Sl. No	Item	Description of Items with detail specification	Qty.
1.	1a. Workstation with accessories for video edit	<p><i>CPU with integrated Display:</i> Branded CPU with 27-inch (diagonal) 5120-by-2880 Retina 5K display; 5-mm-thin design; 7<sup>th</sup> generation 3.8GHz dual-core Intel Core i5 processor; Radeon Pro 57, 575, or 58 with up to 8 GB video memory; Two Thunderbolt 3 (USB-C) ports; inbuilt Wi-Fi, 802.11a/b/g/n compatible, Bluetooth 4.2; FaceTime HD camera; Stereo speakers with microphone &amp; 3.5mm headphone jack; USB 3.1, magic keyboard &amp; mouse, macOS catalina with standard apps; 1 year standard + 3 years extended warranty; iMac protection plan.</p> <p><i>Additional RAM:</i> 16.0GB PC4-19200 DDR4 2400MHz SO-DIMM 260 Pin CL17 memory upgrade for 27" retina 5K models / above model which utilize PC4-19200 SO-DIMM; OWC lifetime replacement limited warranty.</p> <p>Adobe Premier Pro CC 2 years subscription for video editing (education/academic license)</p> <p><i>Converter:</i> Thunderbolt 3 (USB-C) to Thunderbolt 2 adapter to connect different versions of Thunderbolt devices - external hard drives and displays</p> <p><i>Thunderbolt powered SDI and HDMI output:</i> Supports 2K/HD/SD 10-bit output over SDI and HDMI at frame rates up to HD 60p; 8-channel, 24-bit SDI embedded audio; connects to Mac and PC with Thunderbolt; compact; 5V Thunderbolt bus</p>	1
			1
			1
			1

		<p>powered; macOS and windows support; 3 years warranty</p> <p><i>Intensity Shuttle Thunderbolt:</i> 10-Bit HD/SD capture and playback; USB 3.0/3.1 Gen 1; 10-Bit HDMI Video direct capture; separate sides for inputs &amp; outputs with 1 HDMI Input &amp; 4 simultaneous HDMI Outputs and HDMI Cable 15 meters; SD card with software and manual; 1 year warranty</p> <p>Branded 5 meter high speed compatible HDMI cable</p>	<p>1</p> <p>1</p>
	1b. Workstation for Audio Edit	<p><i>CPU with integrated Display:</i> Branded CPU with 3.4GHz quad core Intel Core i5 processor ; 27-inches diagonal Retina 5K display; 1 TB fusion drive; Radeon Pro 570 with 4GB of VRAM graphic processor; 8 GB system memory with supported by external memory slot; Retina 5K display 5120x2880 resolution with support for one billion colours; FaceTime HD camera; Stereo speakers with microphone &amp; 3.5mm headphone jack; USB 3.1, magic keyboard &amp; mouse, macOS catalina with standard apps; 1 year standard warranty + 3 years extended warranty.</p> <p><i>Additional RAM:</i> 16.0GB PC4-19200 DDR4 2400MHz SO-DIMM 260 Pin CL17 memory upgrade for 27" retina 5K models / above model which utilize PC4-19200 SO-DIMM; OWC lifetime replacement limited warranty.</p>	<p>1</p> <p>1</p>

#### 4. Vertical Laminar Air Flow Chamber (1 no.) To be delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai

- Material: Stainless Steel
- Standard: ISO Standard Class 5 conditions defined per ISO Standard 14644-1 and Class 100 conditions as defined by Federal Standard 209E or US Federal Standard 209 B (BS 5295)
- Pre-filter: Double air filtration HEPA Filter efficiency 99.99% Down to 0.3µ H-13Rating
- Built in U.V. Germicidal Light for disinfection and fluorescent /LED light for work space illumination
- Glare-free fluorescent lamp/UV lamp for illumination and disinfection purposes
- Illumination of Light: Minimum 800 Lux on work table
- Non-glare stainless steel work surface for easy cleaning
- Side Panel: Clear Glass Side Panels/ Clear Acrylic panel/ UV Protected Polycarbonate panel/ Thick transparent plexiglass

- Epoxy/powder coated exterior
- Door fully closing with hinged sash
- Support stand, solid one-piece dished work surfaces
- Front operating side of Vertical Laminar flow cabinet is fitted with fixed glass/acrylic pane for providing unidirectional flow
- Air Velocity (m/Sec): 0.3-0.6m/sec (stepless)
- Noise level: Lower than 65 dB
- Vibration: Less than 2.5  $\mu$ m
- Operating Voltage: 230 – 250 V
- Size: Not less than 3ft x 2ft x 2ft
- Warranty: 1 Year

**5. -20°C Deep Freezer (1 no.) To be delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai**

- Capacity- 600-700 litres
- Temperature range: -18°C to -22°C
- Door type- Top open door
- Compartments/Shelves- 2-5
- Power source- Electric
- Defrost type- Manual
- Frequency- 50Hz
- Voltage- 230V
- Compact design
- Suitable for long term bio sample storages
- Individually sealed inner doors to prevent temperature loss when open
- Digital temperature controller for easy temperature settings
- High performance insulation panels minimize heat gain and improve temperature stability
- Microprocessor controller, simple to use with push buttons
- Easy to read operational status display
- Alarm features for any operational errors

**6. Horizontal Gel Electrophoresis (1 no.) To be delivered at HQ ICAR-CIFE, NEW CAMPUS, Mumbai**

- Should be able to separate of DNA and RNA fragments fast in agarose gel.
- Sample load capacity- 13-30 samples.
- Should have in-built power pack.
- Should have digital display.
- Overall dimension- 30x19x9cm approx.
- Gel tray dimension (WxL cm)- 12X12, 12X6, 6X6 approx.
- Should have multiple combs and trays.
- Power supply- 5-240V.
- Should have alarm for time consumption.
- Type of output: constant voltage or current with automatic crossover.
- One year warranty should be provided

**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