



**ICAR - CENTRAL INLAND FISHERIES RESEARCH INSTITUTE**  
**AN ISO 9000 : 2008 Certified Organization**  
**Barrackpore, Kolkata-700 120, West Bengal**

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**GST NO.19AAAGC0090D1ZX**



F No. 1/1/2018-19/S/Minor Equipments/

3<sup>rd</sup> July, 2018

**E-TENDER NOTICE**

**E-Tender ID: “2018\_DARE\_355933\_1”**

**Tender No. 1/1/2018-19/S/Minor Equipments**

The Director, ICAR-CIFRI invites online Quotation through e-procurement portal (www.eprocure.gov.in) in 2 (two) Bid Systems (Itemwise) from the Manufactures/Authorized Dealers/reputed firms for the supply and installation/commissioning and training (if required) of the following **Minor Equipments/Software** at the Headquarter and Regional Centres of ICAR-CIFRI, Barrackpore, Kolkata-700120 and Regional Centre of ICAR-CIFRI Kolkata. The addresses of the Regional Centres are available on website [www.cifri.res.in](http://www.cifri.res.in):-

Sl. No.	Name of the Minor Equipment (Unit to be purchased)	EMD (₹)	Date of pre-bid conference	Last date of submission of e-tender	Specification	To be supplied/installed/Commissioned at
1	Chargeable battery operated Portable Digital field balance (1No.)	EMD Rs.3,000/- uniform for all bidders even if quotation is for one equipment	13.07.2018 at 11.00 am	27.07.2018 till 11.00 am	Specification enclosed at Annexure-II (Sl. No. 1 to 15)	ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata-700120
2	Inclinometer with Trinometrical tripod stand with mounting base for inclinometer (2 No.)					
3	Spherical densitometer (2 No.)					
4	Portable Laser range finder (1No.)					
5	Vacuum pump for Rotary Evaporator (1No.)					
6	UV Chamber for TLC Plates (1No.)					
7	Ekman Dredge (1No.)					
8	Digital Depth sounder (NICRA) (1No.)					
9	Vertical Autoclave (1No.)					
10	pH Probe Sentix 41 (1No.)					
11	Documentation Software for Compound Microscope					
12	Microscope Camera to be used with multibrand microscopes <b>High resolution color microscope camera</b> (1No.)					Regional Centre of ICAR-Central Inland Fisheries Research Institute, CGO Complex (2 <sup>nd</sup> Floor, C-Wing), DF Block, Salt Lake, Kolkata-700064
13	Horizontal Rotary Shaker (1No.)					
14	ASTM Test Sieve (1No.)					
15	Micropipette (1 No.)					

The tender document and specification details (Enclosed at Annexure-II) may be downloaded from the Institute's Website: [www.cifri.res.in](http://www.cifri.res.in) or e-procurement portal [www.eprocure.gov.in](http://www.eprocure.gov.in).

No bid other than online quotation shall be entertained. However, hard copies of documents mentioned at para 2 of Terms and Conditions duly authenticated by the Authorized personnel of the bidder should reach ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata – 700120 within the Bid submission end date and time to enable the Institute to tally the documents with hard copy at the time of opening of tender.

The tentative Schedule of processing of quotation is as follows:-

1.	Date and Time for Issue/Publishing	11.00 AM on 06.07.2018
2.	Document Download/Sale Start Date and Time	12.00 Noon on 06.07.2018
3.	Pre-Bid conference	11:00 AM on 13.07.2018
4.	Document Download/Sale End Date and Time	11.00 AM on 27.07.2018
5.	Bid Submission start Date and Time	11.00 AM on 07.07.2018
6.	Bid Submission End Date and Time	11.00 AM on 27.07.2018
7.	Date and Time for Opening of Technical Bids	11.00 AM on 28.07.2018
8.	Address for Communication	The Assistant Administrative Officer (Stores), ICAR-CIFRI, Barrackpore, Kolkata-700120

The aforementioned dates may vary and the change in date shall be suitably intimated in public domain. The venue of Pre-bid is ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata-700120.

Assistant Administrative Officer  
(Stores)

## TERMS AND CONDITIONS

1. Each bidder should bid item wise/As per period of supply through online BOQ. Price must not be quoted in Technical Bid.
2. The following documents in PDF Format are to be uploaded with the quotation through e-procurement portal [www.eprocure.gov.in](http://www.eprocure.gov.in). As mentioned at Tender notice, the hard copies of documents mentioned at para 2 below duly authenticated by the Authorized personnel of the bidder **should reach** ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata – 700120 within the Bid submission end date and time to enable the Institute to tally the documents with hard copy at the time of opening of tender.
  - a) Authenticated PDF Copy of valid enlistment letter with the Government Departments, if any.
  - b) Authenticated PDF Copy Certificate showing performance of this type of supply in the past e.g. copy of Purchase Order and Challan, installation and commissioning Certificate, certificate issued by Authorized Officer of Department.
  - c) Authenticated PDF Copy of PAN & GST Certificate.
  - d) PDF Copy of Demand Drafts (EMD Rs.3,000/- uniform for all bidders even if quotation is for one equipment). For exemption, authenticated and valid MSME/NSIC certificate has to be submitted.
  - e) Authenticated PDF Copy of valid Dealership/Authorization Certificate from manufacturer.
  - f) Authenticated PDF copy of Declaration as per Annexure-III in letter head of the firm.
  - g) Authenticated PDF copy of Technical Bid as per Annexure-I, attachments along with Make/Model/Brand catalogue of the quoted item must be included by the bidders, failing which Technical Bid will be rejected.
3. The schedule of supply and specification of the items are enclosed in **ANNEXURE-II**. The rate should be quoted on F.O.R. basis at ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata-700120 and at Regional Centre of ICAR-Central Inland Fisheries Research Institute, CGO Complex (2<sup>nd</sup> Floor, C-Wing), DF Block, Salt Lake, Kolkata-700064 as mentioned in the Tender Notice above.
4. Tender documents submitted through online should accompany PDF Copies of Demand Draft of EMD of ₹3,000/- uniform for all bidders even if the bidder is bidding only for one equipment. The EMD in the form of Demand Draft payable at “ICAR Unit -CIFRI” payable at SBI, Barrackpore along with the documents mentioned at para 2 above duly authenticated by the Authorized personnel of the bidder should be sent to the Assistant Administrative Officer (Stores), ICAR-CIFRI, Barrackpore, Kolkata-700120 within last date of receipt of tender. In case of non-submission of EMD and documents within specified time, quotation will not be considered. The EMD shall be returned to the successful and un-successful bidders as per rules without any interest thereon. The amount of EMD will be forfeited if supply is not effected during the given time and contract will stand cancelled. EMD is exempted for the bidders having MSME/NSIC Certificate.
5. Tender once submitted should remain valid at least for 90 (ninety) days for acceptance.
6. (a) The online bid should contain two envelopes containing the Technical Bid and Financial bid in the form of BOQ.  
(b) The envelope containing authenticated documents and DD for EMD should be superscribed as “Tender for supply of **Name of the Equipment** (Sl. No. as indicated in the table at Tender Notice)” as detailed in Notice Inviting e-Tender (NIT).

## 7. TENTATIVE DATES OF PROCESSING OF TENDER

1.	Date and Time for Issue/Publishing	11.00 AM on 06.07.2018
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6.	Bid Submission End Date and Time	11.00 AM on 27.07.2018
7.	Date and Time for Opening of Technical Bids	11.00 AM on 28.07.2018
8.	Address for Communication	The Assistant Administrative Officer (Stores), ICAR-CIFRI, Barrackpore, Kolkata-700120

The venue of Pre-bid is ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata-700120.

8. Rates quoted for the item should include the taxes/duties and transportation cost/delivery cost etc. (on FOR basis) of the items at the mentioned places. Taxes/ duties are to be mentioned in the BOQ and no subsequent claim for taxes/ duties etc. will be entertained separately.
9. The PDF copies submitted as Technical Bid on e-procurement portal and the hard copies of documents sent to the Institute should be legible. The mistake should be corrected by one stroke and initialed.
10. Make/Model/Brand along with all specifications of the quoted item must be included by the bidders in their Technical Bids both online and hard copies, failing which Technical Bid will be rejected. The Price quoted in the Price Bid in the form of BOQ to be submitted online must incorporate Price of the item, transportation cost, cost of installation/commissioning and training to the personnel (if required) and all taxes.
11. Incomplete tender and bids not in prescribed format according to the terms and conditions as mentioned hereinabove shall be rejected forthwith.
12. Tax deduction at source will be made wherever applicable.
13. Payment will be released only against the pre-receipted bill indicating the Bank details of the supplier, to be submitted in triplicate within 30 days of supply and installation/commissioning of the item in good condition. Payment will be made through e-payment. The Performance Security of 10% of the cost of the equipment shall have to be submitted by the supplier, which should be valid at least for one year.
14. LIQUIDITY DAMAGES:-
  - i) In all cases of delay by the supplier in delivery of the materials or any or all of the goods or to perform the services forming the subject matter of this contract beyond the periods specified in purchase order, other than a delay (Force Majeure), the buyer shall have the right without prejudice in its other remedies under this contract, to claim liquidated damages amounting to 0.5% per week of the delivery price of the delayed goods or performance of services for each week/month or part thereof of delay until actual delivery or performance. However such damages shall not exceed 10 % of the delivery price of the goods or services of which the delivery or performance has been delayed.
  - ii) The supplier shall remit the amounts due to Buyer under clause (i) above, within 30 days

of receipt of demand from the Buyer. If the supplier fails to make the payment within the period of 30 days, the Buyer shall have the right to recover it from other payments due to the supplier.

iii) In the event the buyer terminates the Contract, the Buyer shall also have the right to procure, upon such terms and in such manner as it deems appropriate, goods or services similar to those undelivered, and the supplier shall be liable to Buyer for any excess cost incurred by the Buyer for procuring such similar goods or services. However, the supplier shall continue performance of the contract to the extent not terminated.

15. The supplier will have to arrange for Road Permit/Way Bill if required for the supply of stores. All the documents required in this regard will be supplied by the Institute.

16. Resolution of disputes:

i) All disputes, these agreements or questions arising out of or in connection with this contract or relating to its construction or performance shall be settled amicably by mutual consultation. If after 90 days the parties have failed to resolve their disputes or differences by mutual discussions, the matter shall be referred by arbitration in accordance with the Arbitration and Conciliation Act 1996. The Arbitral tribunal shall consist of an arbitrator nominated by the Buyer and another nominated by the supplier. The third arbitrator shall be chosen by the two arbitrators so appointed by the parties and shall act as the presiding arbitrator. In case of failure of two arbitrator appointed by the parties to reach a consensus about the third arbitrator (Presiding arbitrator) within a period of 90 days from the appointment of the arbitrator appointed subsequently, the presiding arbitrator shall be appointed by the Indian Council of Arbitration. The decision of the majority of the Arbitrator shall be final and binding on the parties.

ii) The Parties shall continue to perform their obligations under this Contract during the conciliation/arbitration proceedings. The cost of arbitration (including the fees and expenses of the arbitrators) shall be shared equally by the parties, unless the award specifies otherwise.

iii) This article shall survive the termination of this contract.

17. The Director, ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata- 700 120, West Bengal reserves the right to accept or reject any or all the tenders either in part or in full without assigning any reasons whatsoever.

18. In pursuance of Notification No. 45/2017-Central Tax (Rate), dated 14<sup>th</sup> November, 2017 issued by the Department of Revenue, Ministry of Finance, Government of India, ICAR-Central Inland Fisheries Research Institute is an Autonomous Institute under Indian Council of Agricultural Research, Department of Agricultural Research, Ministry of Agriculture and Farmers' Welfare, Government of India and is fully (100%) funded by the Government of India and hence satisfies the Explanation (a) "**Public funded research Institution**" of the said notification for the purpose of availing exemption under Section 9 of the Central Goods and Services Tax Act, 2017 (12 of 2017). This Institute is a Department as mentioned in Sl. No. 3 of the Table contained in the aforementioned Notification and for purchase of the following items, viz.

(a) Scientific and Technical instrument, apparatus, equipment, Computer

(b) Accessories, parts, consumables and live animals

(c) Computer software, CD-ROM, recorded magnetic Tape, microfilm, microfiches

(d) Prototypes, the aggregate value of the prototypes received not exceeding ₹ 50,000/- in this Financial Year

**the Institute is entitled to the Goods and Services Tax at the rate CGST @ 2.5% + SGST @ 2.5% OR IGST @ 5% to be levied on the price of the item as per aforesaid notification.** The Director, ICAR-Central Inland Fisheries Research Institute issues suitable Certificate for purchase of aforementioned items in each case.

**DETAILS OF THE AGENCY**

**ANNEXURE-I**

1. Name & Address of Firm :
2. Trade License No. :  
(Attach photocopy of document)
3. GST Registration No. :  
(Attach photocopy of document)
4. Name and address of the owner of the Firm :
5. Phone/Mobile No. :
6. TAN/PAN Number :  
(Attach photocopy of document)
7. Bank details of firm/Agency for making Payment
  - a) Name of the Bank & Branch :
  - b) Account Number :
  - c) IFSC Code :
  - d) MICAR Code No. :
8. Details of EMD:
  - a) Amount :
  - b) Demand Draft No. :
  - c) Issuing Bank :
  - d) Date of issue :
9. Annual turn over of the firm  
(Attach photocopy of document)
10. Balance sheet of last Three (3) years (Attach copy)  
Photo copy of Annual Tax return for last Three (3)  
Years may be enclosed

Certified that the terms and condition are acceptable to me/us and I/we will abide by the terms and conditions of the contract/offer.

**Place:**

**Date:**

**Signature of owner with seal**

**Specification Details for Minor Equipments**

<b>Sl.No.</b>	<b>Name of the Articles</b>	<b>Full Specifications</b>
1.	Chargeable battery operated Portable Digital field balance (1No.)	<ul style="list-style-type: none"> <li>• Precision of 0.01 g</li> <li>• Having tare function, with maximum weighing capacity 300-500 g.</li> <li>• For on field weight measurement of smaller fish and Shellfish specimens, aquatic macrophytes and chemicals</li> </ul>
2.	Inclinometer with Trinometrical tripod stand with mounting base for inclinometer (2 No.)	For gradient measurement on banks, reach water surface gradient at stream transacts and also for measuring riparian tree heights along transacts. Two units are required as simultaneously more than one research team is involved in sampling on different rivers under study. Tripod stand to be used as mounting base for inclinometer and densitometer during sampling survey.
3.	Spherical densitometer (2 No.)	To be used to collect quantitative data on riparian tree canopy cover at stream transacts or measuring riparian canopy closure. Two units are required as simultaneously more than one research team is involved in sampling on different rivers under study.
4.	Portable Laser range finder (1No.)	<ul style="list-style-type: none"> <li>• Water proof</li> <li>• Maximum range finding capacity of more than 1000 meter</li> <li>• Angle measurement feature</li> <li>• For rapid measurement of physical dimensions of non-wadable streams sections. Two units are required as simultaneously more than one research team is involved in sampling on different rivers under study.</li> </ul>
5.	Vacuum pump for Rotary Evaporator (1No.)	<ul style="list-style-type: none"> <li>• Material : Diaphragm Vacuum pump to be attached with Rotary Vacuum Evaporator</li> <li>• Power Supply; 220V – 240V/50Hz, Pumping Speed</li> <li>• 18L/min-20L/min</li> <li>• Vacuum Pressure; 20mbar-18mbar</li> <li>• Surface with anti – corrosive coating</li> <li>• Analogue display of vacuum</li> <li>• Temperature range : 10<sup>0</sup>C – 40<sup>0</sup>C</li> <li>• Ability to evaporate aqueous fraction</li> </ul>
6.	UV Chamber for TLC Plates (1No.)	<ul style="list-style-type: none"> <li>• UV Chamber Body: Mild steel / Metal, Acrylic Body or MS Powder Coated</li> <li>• Exposed area : For viewing TLC Plate upto size 20X20 cm<sup>2</sup></li> <li>• UV tubes wavelength : 254nm &amp; 365 nm</li> <li>• UV window: UV Protective shield with contoured viewing port which must contain a built in contrast filter which absorbs UV light</li> <li>• UV Area : Preferably rubber mat with strips</li> <li>• Input voltage : 230v ± 10% AC 50Hz</li> </ul>
7.	Ekman Dredge(1No.)	<ul style="list-style-type: none"> <li>• Ekman Dredge: Size 22.5 X 22.5 cm</li> <li>• Dredge for sampling benthic communities inhabiting soft bottomed aquatic environment</li> <li>• Hinged upper doors swing open as dredge is lowered allowing water to pass through and minimize shock waves.</li> <li>• Heavy duty messenger closes the dredge, preventing washout of sample.</li> <li>• Brass construction with special welding for added strength and durability</li> <li>• one year warranty.</li> </ul>
8.	Digital Depth sounder (NICRA) (1No.)	<ul style="list-style-type: none"> <li>• Dimension: 1.7” X 7.8”</li> <li>• Water proof to a depth of 150’ (50m)</li> <li>• Maximum depth : 260’(79m)</li> <li>• Should measure depth in feet or meters in a range of 1.8’ to 260’ (0.6m to 79m), Accuracy: ± 1%</li> <li>• Frequency: Built in Transducer model; 400 KHz with a 6<sup>0</sup> beam angel backlight</li> <li>• Easy to read LCD display, minimum 7-digit LCD backlight</li> <li>• Battery operated (Powered by 9V dry cell battery with battery life of</li> </ul>

		<p>approximately 500 uses and 10 oz battery weight)</p> <ul style="list-style-type: none"> <li>Automatically shut off option</li> <li>Warranty one year</li> </ul>
9.	Vertical Autoclave (1No.)	<ul style="list-style-type: none"> <li>Fully stainless steel structure</li> <li>The Cover should be opened easily</li> <li>Audio and visual alarm for low level water, automatic water supply system should be there</li> <li>Downward displacement ( Gravity-type) to ensure a pure steam environment</li> <li>Safety valve should release air intermittently to ensure stable pressure and temperature automatically</li> <li>Pressure meter to display chamber temperature and pressure</li> <li>Immersion heater to ensure a high effective thermal efficiency</li> <li>Capacity: 30L</li> <li>Water Supply Pressure: <math>\geq 0.2\text{Mpa}</math></li> <li>Working pressure: 0.14-0.165Mpa</li> <li>Working Temperature: 126</li> <li>Temperature Fluctuation: <math>&lt;2</math></li> <li>Power Supply: 220V, 50/60 HZ</li> <li>Consumption: 3KW</li> <li>External Size (L*W*H): 700*510*730mm</li> <li>CE Certified.</li> </ul>
10.	pH Probe Sentix 41 (1No.)	pH Probe Sentix 41
11	Documentation Software for Compound Microscope (Single User)	<p>The software must be capable of</p> <ul style="list-style-type: none"> <li>Measurement acquisition</li> <li>A VI Live-streaming (Video recording) capture</li> <li>Live Image Capture</li> <li>Calibration</li> <li>Report Generation <b>and</b> export it to Excel</li> <li>Measurement: count, length, area, angle, circle and ellipse, time-lapse</li> <li>Fluorescence channel merging</li> <li><b>Note: The Software must control Nikon DS-Fi2-U3 Camera</b></li> </ul>
12.	Microscope Camera to be used with multibrand microscopes eyepiece  <b>High resolution color microscope camera</b>	<ul style="list-style-type: none"> <li>Microscope camera (can be used in multibrand microscopes eyepiece ) with configuration driver tool and connection cable USB 2.0</li> <li>Sensor : Micron MT9P001, 5.0 Megapixels, color, CMOS</li> <li>Basic resolution : 2592 (H) x 1944 (V)</li> <li>Pixel Size : 2.2 <math>\mu\text{m}</math> x 2.2 <math>\mu\text{m}</math></li> <li>Sensor size : 5.7 mm x 4.28 mm equivalent 1 / 2.5" CMOS sensor</li> <li>Live frame rate (depending on hardware and software configuration )</li> <li>Maximum FPS = 8 fps (2592 x 1944), 30 fps (640 x 840)</li> <li>Exposure time : 1ms to 0.3s</li> <li>C-mount camera adaptor for eyepiece use</li> <li>With Imaging software for image acquisition, balance adjustment, color assignment, point to point measurement, free form measurements, manual cell counting facility, date and time record etc.</li> <li><b>2 years replacement warranty from the date of installations</b></li> </ul>
13.	Horizontal Rotary Shaker	<ul style="list-style-type: none"> <li>Purpose : Kahn racks, bottle or conical flasks of different sizes can be shaken by adjusting the compartments provided on the shaking rack (36 no. 250 ml flasks accommodation)</li> <li>Shaking time control : Automatic digit ON/OFF timer</li> <li>Speed measurement : Digital OPM/speed meter with speed controller</li> <li>Proximity Switch : Yes</li> <li>Platform Width : 65 centimeter</li> <li>Platform Length : 65 centimeter</li> <li>Platform Height : 25 centimeter, Shaking : Reciprocating type</li> <li>Material : Mild steel sheet duly power coated and top surface covered with non slip mat</li> <li>Operating Motor: Heavy duty electric motor for continuous rating</li> </ul>



		<ul style="list-style-type: none"> <li>• Power Requirements : 230 V 10, 50 Hz AC</li> <li>• Power Consumption : 1800 Watt</li> <li>• Speed range: Variable from 70 to 300 oscillations per minute</li> <li>• MAXIMUM Shaking Load (in Kilogram) permissible : 1</li> <li>• Suitable for Operating temperature and RH : 0 to 50 degree C, 0 to 90% Relative Humidity</li> </ul>				
14.	ASTM Test Seive	<ul style="list-style-type: none"> <li>• 10 mesh all brass</li> <li>• 2.0mm</li> <li>• 8" dia.</li> <li>• Full height</li> </ul>				
15.	Micropipette	Tested volume( $\mu$ l)	Maximum permissible Errors			
			Systematic Error	Random error	Systematic Error	Random error
		20-300	$\pm 1$	<0.35	$\pm 1$	<3

**Annexure-III**

(Printed on letter head of firm duly authenticated)

**TO WHOM IT MAY CONCERN**

We hereby certify that our firm M/s .....

.....

..... has not been black listed by any Government, or semi Government Department in India and has never been declared insolvent.

**(Signature of the Firm with Seal)**