

## POST GRADUATE DEPARTMENT OF ZOOLOGY UNIVERSITY OF KASHMIR, HAZRATBAL, SRINAGAR 190006 (NAAC ACCREDITED GRADE 'A\*')

Dr. Imtiaz Ahmed Khan E-mail: <u>imtiazkhan@uok.edu.in</u> imtiazamu1@yahoo.com

### No: F. Tender-NMHS/Zoology/KU/2021

Dated 22-01-2021

#### **NOTICE INVITING TENDER**

For and on behalf of Competent Authority of the University of Kashmir, e-tenders for the supply, installation and testing of equipment specified here under in this tender notice are invited from the manufacturers or their authorized distributors/dealers in two-bids system through e-procurement solution only as per the guidelines, and terms & conditions given in the tender document. Details of the NIT along with terms & conditions, specifications etc. can be seen/downloaded at/from the website **www.jktenders.gov.in**. Tender document is also available for viewing on the website of University of Kashmir, **www.kashmiruniversity.ac.in**. The interested tenderers should upload duly signed tender form and their bids along with scanned copies of all the relevant certificates, documents etc. in support of their technical & price bids, all duly signed, on the: <u>www.jktenders.gov.in</u>.

For participation in the tender through e-procurement solution, the tenderers are required to have digital certificates and other required documents.

#### Important dates related to the tender are as follows:

S. No	Activity	Date
1.	Date of issuance of tender notice	22-01-2021
2.	Date of downloading the bid documents	23-01-2021
		(3.00 pm)
3.	Bid Submission Start Date	23-01-2021
		(3.00 pm)
4.	Last Date for seeking clarifications	29-1-2021
		(3.00 pm)
5.	Bid Submission Last Date	15-02-2021
		(3.00 pm)
6.	Last date for submission of hard copies	17-02-2021
7.	Date and Time of Opening of Technical bid	19-02-2021
8.	Date and Time of Opening of Commercial bid	To be intimated

Yours faithfully,

Sd/-Dr. Imtiaz A. Khan Principal Investigator NMHS-Project Department of Zoology, University of Kashmir, Srinagar-190006 Jammu & Kashmir, India

Name of equipment and their technical specifications:

Equipment	Specifications	Quantity
1. Bomb Calorimeter (Isoperibol based)	Automatic microprocessor Isoperibol bomb calorimeter matching international / national standard as per ASTM D5865 or BIS1350 (part-2) or both and able to determine calorific value of various solid and liquid fuels (HFO, LDO), food sample etc. The equipment should have the following specification:	One (01)
	<ul> <li>Test method -International and Indian standard e.g. ASTM D-5865, BIS1350 (Part- II), etc. Compliance Certificate at least for ASTM standard must be supplied along with the instrument.</li> </ul>	
	<ul> <li>Test report -The value of gross CV should be reportable in Cal/Gm, Kcal/ Kg, BTU/Lb or MJ/Kg.</li> </ul>	
	<ul> <li>Measuring Range – Upto 8000 Kcal/kg for one gram of sample.</li> </ul>	
	Sample size - 0.6 to 1.4 gm	
	<ul> <li>Sample Type -Direct analysis of powdered sample / pellet sample/ Liquid sample.</li> <li>Analysis Time -Less than 8 minutes per sample in</li> </ul>	
	Isoperibolmethod.	
	Operator time less than one minute.	
	<ul> <li>Precision / Repeatability-Less than or equal to 0.10 % RSD using certificate standard (Benzoic acid)</li> </ul>	
	<ul> <li>Equipment measuring resolution -0.0001 Cal/gm. or better.</li> <li>Temperature resolution 0.0001°c</li> </ul>	
	<ul> <li>Calibration facility Auto / manual using certified standard (benzoic acid).</li> </ul>	
	Auto correction Facility- should have the facility for thermochemical correction for acid, nitrogen, sulphur moister, spike and ash.	
	<ul> <li>Gas filling arrangement - It should have automatic gas filling arrangement with auto shut off arrangement in bomb vessel i.e. Gas Filling ,venting and flushing should be automatic.</li> </ul>	
	<ul> <li>Water handling system with chiller - inbuilt closed loop and automatic water handling system for complete water circulation i.e. water filling and draining Automatic with bucket. Water handling system should be OEM make only</li> </ul>	
	<ul> <li>Bomb type -High strength stainless still acid resistance bomb/combustion vessel with fixed wire string. Must be tested as per international standard (ASTM E-144). Test certificate should be supplied with the instrument and one sample certificate attach with offer. Bomb cleaning station should be including as a part of the system. If the safe life of operation of bomb is &lt; 5000 tests as per standards before hydro test then at least one additional bomb to be supply. Bomb head having easy and 1/4<sup>th</sup> turn closing with twist</li> </ul>	
	<ul> <li>lock .Bomb wash and drying - Automatic.</li> <li>Bucket type -It should be fixed type for water circulation to be automatic in closed loop. No manual or additional handling for bucket.</li> </ul>	

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	<ul> <li>Jacket Type -External water jacket with temperature controller of precision of ±0.1°C</li> <li>Display/ Interface -main system should be able towork stand alone. In addition to, it should have direct interface to connect with printer and balance through RS 232 and USB port.</li> <li>Self- diagnostic system- Instrument should have the facility to undergo self- diagnosis during the test.</li> </ul>	
	<ul> <li>Software -should be from the calorimeter manufacture original software. User- friendly for the operation of calorimeter data and administrative data.</li> <li>Operating power supply 220 to 230V, 50HZ single-phase AC supply with CE certification.</li> <li>Consumables and spares:-consumables and spares: should provide the supply because and spares: should provide the supply because and spares.</li> </ul>	
	<ul> <li>provide the consumables and spares required for testing 2000 samples.</li> <li>Vendor must have minimum 5 installations in India for quoted instruments.</li> <li>European CE</li> <li>IQ,OQ,PQ with validation certificate should be provided.</li> </ul>	
2. Digital Hot Air Oven	Warranty: 1 years     Programmable microprocessor control with vacuum     fluorescent/LED display. The equipment should have     following specifications:	One (01)
	Minimum Capacity: 60-90 liters	
	<ul> <li>Broad temperatures range 50 to 250°C</li> <li>Temperature Uniformity/Deviation at 150°C:±0.5°C</li> </ul>	
	<ul> <li>Stainless steel perforated shelf at least :2</li> </ul>	
	<ul> <li>Machine should have to 2 PT-100 Sensor for Sample protection.</li> </ul>	
	Inner chambers corrosion-resistant stainless steel     1.4016/AISI 430 with rounded corners for easy cleaning.	
	<ul> <li>Automatic over temperature alarm system to protect samples.</li> <li>Access port allows the introduction of sensors for independent data monitoring system.</li> </ul>	
	Ovens should come standard with a RS232 data interface	
	<ul> <li>Optional Compatible servo stabilizer for the Machine.</li> <li>European CE</li> <li>IQ,OQ,PQ with validation certificate should be provided.</li> </ul>	
	Warranty: 1 years	
3. Water Analyzer (Water Analysis Kit)	Portable Water Analyzer (Imported) The equipment should have the following specifications:	01 (One)
	• pH Range 0.00 to 14.00 pH	
	pH Resolution 0.01 pH	
	<ul> <li>pH Calibration, automatic one, two, or three points with automatic recognition of five standard buffers (pH 4.01, 6.86, 7.01, 9.18, 10.01) or one custom buffer</li> </ul>	

•	ORP Range ±2000 mV
•	ORP Resolution 0.1 mV
•	ORP Accuracy ±1.0 mV
•	ORP Calibration automatic at one custom point (relative
	mV)
•	mV Range ±600.0 mV
•	mV Resolution 0.1 mV
•	mV Accuracy ±0.5 mV
ea	tures in analysis of Electrical conductivity (EC)
•	EC Resolution: Manual 1 $\mu$ S/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm; 1 mS/cm, Automatic: 1 $\mu$ S/cm from 0 to 9999 $\mu$ S/cm; 0.01 mS/cm from 10.00 to 99.99 mS/cm; 0.1 mS/cm from 100.0 to 400.0 mS/cm, Automatic (mS/cm): 0.001 mS/cm from 0.000 to 9.999 mS/cm; 0.01 mS/cm from 10.
•	EC Accuracy $\pm 1\%$ of reading or $\pm 1 \mu$ S/cm whichever is greater
	EC Calibration automatic single point, with six standard solutions (84 $\mu$ S/cm, 1413 $\mu$ S/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm, 111.8 mS/cm) or custom point
ea	tures in analysis of Dissolved Oxygen (DO)
•	Oxygen, Dissolved Range 0.0 to 500.0%; 0.00 to 50.00 ppm (mg/L)
•	Oxygen, Dissolved Resolution 0.1%; 0.01 ppm (mg/L)
•	Oxygen, Dissolved Accuracy 0.0 to 300.0% saturation: $\pm 1.5\%$ of reading or $\pm 1.0\%$ saturation whichever is greater, 0.00 to 30.00 ppm (mg/L): $\pm 1.5\%$ of reading or $\pm 0.10$ ppm (mg/L), whichever is greater, 30.00 ppm (mg/L) to 50.00 ppm (mg/L): $\pm 3\%$ of reading, 300.0 to 500.0% saturation: $\pm 3$
•	Dissolved Oxygen Calibration automatic one or two points at 0 and 100% or one custom point
ea	tures in analysis of Total Dissolved Solids (TDS)
•	TDS Range 0 to 400000 ppm (mg/L); (the maximum value depends on the TDS factor)
•	TDS Resolution Manual: 1 ppm (mg/L); 0.001 ppt (g/L); 0.01 ppt (g/L); 0.1 ppt (g/L); 1 ppt (g/L), Automatic: 1 ppm (mg/L) from 0 to 9999 ppm (mg/L); 0.01 ppt (g/L) from 10.00 to 99.99 ppt (g/L); 0.1 ppt (g/L) from 100.0 to 400.0 ppt (g/L), Automatic ppt (g/L): 0.001 ppt
•	TDS Accuracy $\pm 1\%$ of reading or $\pm 1$ ppm (mg/L), whichever is greater
•	TDS Calibration based on conductivity or salinity calibration
ea	tures in analysis of Salinity
•	Salinity (PSU) Range 0.00 to 70.00 PSU
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•	Salinity (PSU) Resolution 0.01 PSU
•	Salinity (PSU) Resolution 0.01 PSU Salinity (PSU) Accuracy $\pm 2\%$ of reading or $\pm 0.01$ PSU whichever is greater

•	Salinity (Seawater Sigma) Range 0.0 to 50.0 $\sigma$ t, $\sigma_0$ , $\sigma_{15}$
•	Salinity (Seawater Sigma) Resolution 0.1 $\sigma$ t, $\sigma_0$ , $\sigma_{15}$
•	Salinity (Seawater Sigma) Accuracy $\pm 1 \sigma_0, \sigma_{15}$
D	Salinity (Seawater Sigma) Calibration based on conductivity or salinity calibration
ea	tures in analysis of Resistivity
•	Resistivity Range 0 to 999999 $\Omega$ •cm; 0 to 1000.0 k $\Omega$ •cm; 0
	to 1.0000 MΩ•cm
	Resistivity Resolution dependent on resistivity reading
	Resistivity Calibration based on conductivity calibration
ea	tures in analysis of Atmospheric Pressure
•	Atmospheric Pressure Range 450 to 850 mm Hg; 17.72 to 33.46 in Hg; 600.0 to 1133.2 mbar; 8.702 to 16.436 psi; 0.5921 to 1.1184 atm; 60.00 to 113.32 kPa
	Atmospheric Pressure Resolution 0.1 mm Hg; 0.01 in Hg; 0.1 mbar; 0.001 psi; 0.0001 atm; 0.01 kPa
	Atmospheric Pressure Accuracy $\pm 3$ mm Hg within $\pm 15^{\circ}$ C from the temperature during calibration
	Atmospheric Pressure Calibration automatic at one custom point
gr	ne equipment should also have a provision for up- adation and analysis of below mentioned parameters. Irbidity
	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU
•	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever
•	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and
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Ar	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom mmonium Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N) Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm
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• • • •	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU         Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU         Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater         Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom <b>mmonium</b> Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N)         Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm         Ammonium Accuracy ±5 % reading or 2 ppm         Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm
• • • •	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU         Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU         Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater         Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom <b>nmonium</b> Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N)         Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm         Ammonium Accuracy ±5 % reading or 2 ppm         Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm
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Ar	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU         Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU         Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater         Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom <b>mmonium</b> Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N)         Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm         Ammonium Accuracy ±5 % reading or 2 ppm         Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm <b>hloride</b> Chloride Range0.6 to 200.0 ppm Cl (as Cl- )         Chloride Resolution 0.01ppm to 1 ppm 0.1 ppm to 200.0 ppm
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Arr C	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom mmonium Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N) Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm Ammonium Accuracy ±5 % reading or 2 ppm Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm hloride Chloride Range0.6 to 200.0 ppm Cl (as Cl- ) Chloride Resolution 0.01ppm to 1 ppm 0.1 ppm to 200.0 ppm Chloride Accuracy±5 % of reading or 2 ppm Chloride Calibration1 or 2 point, 10 ppm and 100 ppm
Image: state	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom mmonium Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N) Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm Ammonium Accuracy ±5 % reading or 2 ppm Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm hloride Chloride Range0.6 to 200.0 ppm Cl (as Cl- ) Chloride Resolution 0.01ppm to 1 ppm 0.1 ppm to 200.0 ppm Chloride Accuracy±5 % of reading or 2 ppm Chloride Calibration1 or 2 point, 10 ppm and 100 ppm trate Nitrate Range0.62 to 200.0 ppm Ni (as NO3N)
• • • • • • •	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU         Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU         Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater         Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom <b>mmonium</b> Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N)         Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm         Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm <b>hloride</b> Chloride Range0.6 to 200.0 ppm Cl (as Cl- )         Chloride Resolution 0.01ppm to 1 ppm 0.1 ppm to 200.0 ppm         Chloride Range0.6 to 200.0 ppm Cl (as Cl- )         Chloride Range0.6 to 200.0 ppm Ni (as NO3 - N)         Nitrate Range0.62 to 200.0 ppm Ni (as NO3N)         Nitrate Resolution0.01 ppm to 1 ppm 0.1 ppm to 200 ppm
Arr C	Turbidity Range0.0 to 99.9 FNU; 100 to 1000 FNU Turbidity Resolution0.1 FNU from 0.0 to 99.9 FNU 1 FNU from 100 to 1000 FNU Turbidity Accuracy±0.3 FNU or ±2 % of reading, whichever is greater Turbidity Calibration Automatic 1, 2, or, 3 points at 0, 20 and 200 FNU, or custom mmonium Ammonium Range0.02 to 200.0 ppm Am (as NH4 +-N) Ammonium Resolution 0.01 ppm to 1 ppm 0.1 ppm to 200.0 ppm Ammonium Accuracy ±5 % reading or 2 ppm Ammonium Calibration1 or 2 point, 10 ppm and 100 ppm hloride Chloride Range0.6 to 200.0 ppm Cl (as Cl- ) Chloride Resolution 0.01ppm to 1 ppm 0.1 ppm to 200.0 ppm Chloride Accuracy±5 % of reading or 2 ppm Chloride Calibration1 or 2 point, 10 ppm and 100 ppm trate Nitrate Range0.62 to 200.0 ppm Ni (as NO3N)

•	Logging Memory More than 40,000 records (continuous logging or log-on-demand of all parameters)
•	Logging Interval one second to three hours
•	Connectivity USB (with software)
•	Battery Type/Life1.2V (4) NiMH, rechargeable batteries, size C type; more than 120 hours.
•	IP Protection IP67
•	Environment0 to 50°C (32 to 122°F); RH max 100%
•	Dimensions221 x 115 x 55 mm (8.7 x 4.5 x 2.2")
•	Weight750 g (26.5 oz.)
Ord	lering Information
•	Should be supplied with hard carrying case, adapter, probe maintenance kit, PC application software, USB cable (PC to meter), power supply cable, cigarette lighter power cable, quick calibration solution, iButton with holder (5), pH/ORP sensor, galvanic DO sensor, EC sensor, short calibration beaker, short protective weighted shield, rechargeable "C" cell batteries (4), 12VDC power adapter, and instruction manual. Probes should be selected with turbidity option will include the EC/turbidity sensor, long calibration beaker and long protective weighted shield in place of the EC sensor, short calibration beaker and short protective shield. Probes selected with turbidity option should also include turbidity calibration solutions (230 ml).
•	European CE IQ,OQ,PQ with validation certificate should be provided. Warranty: 1 years

## (TO BE SUBMITTED ALONG WITH TECHNICAL BID)

TENDER NOTIFICATION NO: -----

#### <u>UNDERTAKING</u>

The Principal Investigator NMHS Project, Department of Zoology, University of Kashmir, Srinagar, J&K, India

We the undersigned (herein after called as Contractor/Vendors/Suppliers) hereby offer to execute supply of items as per specification against which we have quoted our rates and for which this tender may be accepted at the rates stated there in and subject to the terms & conditions set forth for such items.

Date this \_\_\_\_\_ Day of \_\_\_\_\_

Signature of Contractor \_\_\_\_\_

Address\_\_\_\_\_

## **Guidelines/Procedure**

- <u>Payment of cost of Tender documents</u>: The collection of cost of Tender documents is dispensed with, as there is no physical supply of tender documents and also to have absolute anonymity of bidders participating in e-procurement solution. The bidders can view/download the tender documents from the: <u>www.jktenders.gov.in</u>.
- 2. <u>Submission of bids</u>: The bidders who are desirous of participating in 'e'- procurement shall submit their technical and price bids online in the standard formats prescribed in the Tender documents, displayed at: www.jktenders.gov.in. The bidder should upload the scanned copies of all the relevant certificates, documents etc. in support of their bids. The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity and copies thereof may also be submitted in the office of the Principal Investigator NMHS-Project, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India along with original EMD before the specified date for physical submission of EMD along with copies of bid documents is declared a holiday, the same will be received up to the appointed time on the very next working day. However, documents of the bidders downloaded online or requisitioned subsequently only will form the basis for deciding the tender.
- 3. Payment of Bid Security (Earnest Money Deposit): The EMD @ 2% of the tendered cost shall be in the form of the Bank Guarantee/Fixed Deposit Receipt/DD only of a scheduled bank issued in favour of Principal Investigator, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India and the zerox copy thereof is to be scanned and uploaded along with the bid, and the original shall be sent to Principal Investigator, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India so as to reach before the date & time of closing of the bids; failing which bid will be rejected. The Bid Security (EMD) of unsuccessful bidders will be released immediately after finalization of the order/contract without any interest. However, firms registered with NSIC etc., are exempted from submitting EMD provided such registration includes the item(s) they are offering are manufactured by them and not for selling products manufactured by other companies.
- 4. <u>Processing of Tenders</u>: The concerned officer/officers will evaluate and process the tenders as done in the conventional tenders and will communicate the decision to the bidder online.
- 5. <u>Price Bid Opening</u>: The Price Bids of only technically qualified bidders (whose bids satisfy the prescribed technical specifications/parameters and have also submitted all requisitioned documents & EMD) will be opened online at the specified date & time and will subsequently be evaluated to determine the lowest bidder. The result will be displayed on the: <u>www.jktenders.gov.in</u>. which can be seen by all the bidders who participated in the tenders.
- 6. <u>Payment of Performance Security</u>: The successful tenderer shall furnish a Bank Guarantee/FDR of the value of 05% of the basic cost of the item for the period of warranty/guarantee from a nationalized bank to ensure the satisfactory performance of item supplied. The performance guarantee is to be submitted at the time of installation / demonstration of equipments. In case the performance of the item is not found satisfactory, the amount of Performance Security will be forfeited & credited in university account.

- 7. <u>Participation of Bidders at the time of opening of bids</u>: Bidders have two options to participate in tendering process at the time of opening of Bids:
  - (i). Bidders can come at the place of opening of bids (electronically) as done in the conventional tender process.
  - (ii). Bidders can visualize the process online.
- 8. <u>Financial Rules for e-procurement</u>: GFR-2017 shall be applicable to the e-procurement system for purchase of equipment/goods etc mentioned in the tender document.

Sd/-Principal Investigator NMHS- Project Department of Zoology University of Kashmir, Srinagar-190006 Jammu & Kashmir, India

## **TERMS AND CONDITIONS**

<u>Procedure for submission of bids</u>: The bidders who are desirous of participating in 'e'procurement shall submit their offers in two bid format, namely **Technical Bid and Financial Bid**. The Technical and Financial bids in the standard formats prescribed in the Tender documents, displayed at: <u>www.jktenders.gov.in</u>. The bidder should upload the scanned copies of all the relevant certificates, documents etc. after page-numbering all documents and tender document and prepare an index thereof in the: <u>www.jktenders.gov.in</u>.in support of their price bids. The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity and copies thereof may also be submitted in the office of the **Principal Investigator, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India** along with original EMD. However, documents of the bidders downloaded online or requisitioned subsequently only will form the basis for deciding the tender.

- 1. Manufacturers (OEMs) or their Authorized Distributors/dealer only should submit their bids.
- 2. ALTERATION IN THE SPECIFICATION.

(i) The specifications mentioned in the tender must not be altered by the Suppliers.

- 3. INCOMPLETE TENDERS
- 4. The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information/documents, as asked for in the NIT, or submission of a bid not substantially responsive to the NIT in every respect, will be at the Bidder's risk and may result in rejection of its bid.
- 5. <u>CANCELLATION OF TENDER/ CONTRACT/ IN PART OR IN FULL IN CASE OF DEFAULT IN CONTRACT/SUPPLY:</u>

If the Supplier, in the opinion of the Institute, fails or neglects to comply with any of the terms & conditions forming, part of the order issued, the Head of institute shall, without prejudice to any other right or remedies under the contract, have the right to cancel the contract /order by giving 15 days notice in writing to the Suppliers/firms without being liable to pay compensation for such cancellation.

- 6. Tender shall be uploaded as per guidelines indicated for e-procurement solution.
- 7. Demonstration of equipments has to be arranged by the suppliers, if desired by the institute.
- 8. The quotation should be valid for a period of 120 days from the date of opening of the technical bid.
- 9. Rates are to be quoted in INR (Rupee terms) wherever applicable and any revision thereof is not allowed after the tenders have been opened.
- 10. The delivery period should be clearly mentioned against each item, incase, the items are not readily available; ex-stock offer will be preferred.
- 11. Rates should be quoted F.O.R Institution including all Taxes and Duties namely GST/Custom Duty etc (against Custom Duty Exemption Certificate) and other should be mentioned clearly.
- 12. Consignment will not be insured at the Institute/University Cost.
- 13. Bidder, if is not the Original Equipment Manufacturer (OEM), must submit OEM's or their Distributor's Authorization to quote/sell the product(s). Preference will be given to quotation pertaining to indigenous products. However, where suitable substitutes are not available and item need to be imported the following clarification/information should be given.
  - Whether the item will be imported by the intended tenderers against its own import license or university will have to provide Custom Duty Exemption Certificate (CDEC).

- Name and address of the foreign supplier, make & model of the offered product and authorization to sell from OEM or their Distributor/Authorized Chanel Partner.
- Delivery period including information about mode of dispatch and possible duration (after dispatch) for receipt of item at the port.
- Whether the item required any special preparation for installation. In case yes, full details should be given regarding operation maintenance of the items.
- In case of costly/sophisticated items whether the tenderers will arrange any special training regarding operation / maintenance of the items.
- Nature of assurance for the supply of spares after the warranty period.

#### 14. Terms of Payment and Conditions

## (A) For Indigenous/Indian equipments/stores on DDP (Delivered Duty Paid) Destination basis:

80% of the total payment shall be released on submission of proof of delivery of complete equipments/stores (stores/consignee receipt), inspection report and on certification of satisfactory installation of the equipment at the consignee's premises and after "ensuring verification of the Performance Security" @ 5% of the Purchase Order value.

Balance 20% of the payment shall be released upon successful test run of the equipment and after ensuring that already furnished Performance Security is valid for period of warranty/guarantee.

#### (B) For Imported Equipments/Stores:

For Foreign/Principal suppliers of equipments/stores:- For payment made through Letter of Credit (L/C). An irrevocable letter of credit (L/C) for 100% of the value of the imported equipments/stores (excluding the value of the Indigenous/Indian equipments/stores, if any) shall be established on submission of the acknowledgement of the order by the successful bidder stating the country of origin and port of shipment, submission of Performance Security @ 5% of the Purchase Order value, four copies of the Proforma invoice and confirmed Letter of Credit (LC) opening details.

It shall be the responsibility of the bidder to ensure that all the requisite documents are provided to the purchaser including the Performance Security in original for appropriate denomination and period on priority basis, so as to ensure opening of LC on time.

Out of this, 80% of the value of the imported equipments/stores will be paid against inspection certificate (where applicable) and shipping documents to the Principal through L/C. Balance 20% will be released within 30 days after due certification by the Purchaser/Institute for successful commissioning of the equipments at the premises and also, after ensuring that the furnished Performance Security is valid for the period of warranty/guarantee.

#### C. Price Fall Clause

If at any time prior to delivery of the equipments/stores, the bidder/supplier reduces the sale price of such equipments stores as covered under this tender enquiry, to any organization (including Central/State/Deemed University) at price lower than the price quoted under this contract, he shall forth with reduce the price payable under this

tender for the equipments/stores being supplied after the date of coming into force of such reduction, the price of equipments/stores shall stand corresponding reduced.

- 15. In the event of the item(s) being imported product(s), Custom Duty Exemption Certificate (CDEC) will be issued by the University on the written request of the supplier; who, in turn, will furnish copies of relevant Customs Related Documents namely Airways Bill, Packing List, TR-6 challan etc. along with Bill/Invoice.
- 16. Conditional quotations and/or incomplete quotations in any respect will be rejected.
- 17. In case you cannot quote for one or more of the items asked for in the tender the word "NOT QUOTED" (in the rate column) should be indicated.
- 18. The specification of the item quoted by the firm should confirm to the University specifications. Confirmation, in this respect should be specifically mentioned in the tender. Where the tenderer feels that the specification of the item not fully given or differ, from the specification of the item mentioned by the university, the exact specification of such item in a separate deviation sheet should be attached with the tender indicating the item quoted.
- 19. The Firm is required to link the University specifications with catalogues & leaflets/literature and also **mention Make and the Model for each item**. Detailed features, for compliance of specification should be provided on specification sheet & appropriate reference i.e. page no. & para of literature, leaflet wherefrom the relevant information has been checked, should be indicated.
- 20. EARNEST MONEY:- EMD should be attached with the technical bid. The EMD shall be in the form of the BG/Fixed Deposit Receipt/DD of a scheduled bank issued in favour of Principal Investigator, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India. Zerox copy thereof is to be scanned and uploaded along with the bid, and the original instruments shall be sent to Principal Investigator, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India so as to reach before the date of closing of the bids. Failure to furnish the original instrument before the closing of the bid will entail rejection of bid and blacklisting. If the tenderer after acceptance of the tender refused to take up the purchase order, his Earnest Money will be forfeited. Any tender received without / less Earnest Money deposit shall be summarily rejected.
- 21. The Purchase Order/Contract will be awarded to the successful Bidder whose bid has been determined to be responsive and has been determined to be the lowest evaluated bid, provided further the Bidder is determined to be qualified to execute the Order/Contract satisfactorily.
- 22. The Competent Authority reserves the right to reject any or all the tenders and annual the bidding process at any time prior to award of Contract, without assigning any reason, without thereby incurring any liability to the affected Bidder or Bidders, and his decision will be final.
- 23. The supplies shall have to be made within the period specified in the purchase order failing which the order shall be cancelled and the Earnest Money will be forfeited. However, in exceptional circumstance and, on written request, from the supplier/tenderer, extension of date for supply of the material will be considered. Extension in supply period is at the sole discretion of the competent authority.
- 24. Service manuals, wherever available/ required, should be provided along-with the Equipments.
- 25. The University reserves the right at the time of award of PO/Contract to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

- 26. In the case of purchase of many items against one tender, which are not interdependent or where compatibility is not a consideration, comparison would be made on the basis of prices quoted by the firms for identifying the lowest quoting for each item.
- 27. WARRANTY: All products must have a minimum of One Year Warranty. A Warranty Certificate should invariably be supplied along with the item at the time of delivery. If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the supplier shall rectify the defects, errors or omissions by repair or by partial or complete replacement on free of cost basis.
- 28. The Competent Authority reserves the right to levy liquidated damages up to 2% of the value of the order for delayed supply. If the supply is delayed beyond the extended period, the University reserves the right even to cancel the order and forfeit the EMD of the firm/ tenderer.
- 29. PERFOMANCE SECURITY DEPOSIT:- The successful tenderer shall furnish Performance Security Deposit of the value of 05% of the basic cost of the item in the shape of Bank Guarantee/FDR etc. from a nationalized bank pledged to Principal Investigator, Department of Zoology, University of Kashmir, Srinagar-190006, J&K, India for the warrantee/guarantee period to ensure the satisfactory performance of item supplied. The performance guarantee is to be submitted at the time of installation / demonstration of equipments. In case the performance of the item is not found satisfactory and/or the Supplier fails to complete its obligation under the contract/purchase order, the amount of Performance Security will be credited in University account.
- 30. DEFAULT: In the event of default and unsatisfactory service of the contractor/Supplier firm, the University of Kashmir will be at liberty to repair/get the item serviced from other party at the cost of supplier/ contractor/ tenderer.
- 31. In case of software items, the suppliers should ensure that:-Legal software is supplied in original sealed pouches / P. K. T. A license agreement is enclosed with it. A registration card is available for software.
- 32. FAILURE AND TERMINATION: If the Contractor / Supplier fails to deliver the stores or any installment thereof within the period fixed for such delivery or at any time repudiates the contract before the expiry of such period, University of Kashmir may without prejudice to the right of the purchaser recover damages for breach of the contract.
- 33. The technical & financial bids of only those bidders will be opened who fulfill the eligibility criteria and whose documents are found in order. If any of the date earmarked for opening of technical or financial bids happens to be a holiday, the bids will be opened on the very next working day.
- 34. Notwithstanding the provisions relating to extension of time, penalty and cancellation of tender/contract for default, the vendor shall not be liable for forfeiture of its performance security/ liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure (i.e. an event or situation beyond the control of the vendor that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the vendor; such as wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes etc.). If the performance in whole or in part or any obligation under the contract is prevented or delayed by any reason of force-majeure for a period exceeding 60 days, either party may at its option terminate the contract by sending a written notice without any financial repercussions on either side.
- 35. The bidder has to submit an undertaking in firm letter pad that it has not been blacklisted by any Govt deptt./Instt/Autonomous body.

- 36. Proof of GST Registration No and VAT Return copy or any other relvant document for last three financial year since the date of tender.
- 37. PAN No (Copy of PAN No Attached)
- 38. P.Os Copies/rate contract having executed similar items/order copy of last 3 financial years date of tender.
- 39. Authorization Certificate from Original Equipment Manufacturer (OEM) or their Distributor/dealer to quote/sell the product, in case the Bidder is not the OEM.
- 40. **Arbitration.** All disputes or differences arising out of or in connection with the tender shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Supply/Installation/performance, which cannot be settled amicably, may be resolved through arbitration. In case of arbitration with the firm on any issue, the final decision would be of Principal Investigator NMHS-Project/Dean Research, University of Kashmir. The arbitration will be governed by following:-
  - All disputes or differences arising out of or in connection with the contract including the one connected with the validity of the contract or any part thereof shall be settled by bilateral discussions.
  - Any dispute, disagreement arising out of or relating to this contract or relating to construction or performance (except as to any matter the decision or determination whereof is provided for by these conditions), which cannot be settled amicably, shall within sixty (60) days or such longer period as may be mutually agreed upon, from the date on which either party informs the other in writing by a notice that such dispute, disagreement or question exists, will be referred to a sole Arbitrator.
  - Within sixty (60) days of the receipt of the said notice, an arbitrator shall be nominated in writing by the authority agreed upon by the parties.
  - The sole Arbitrator shall have its seat in Srinagar or such other place in the state as may be mutually agreed to between the parties.
  - The arbitration proceedings shall be conducted under the J&K Arbitration and Conciliation Act, 1996 and the award of such Arbitration Tribunal shall be enforceable in Srinagar.
  - Each party shall have to bear its own cost of preparing and presenting its case. The cost of arbitration including the fees and expenses shall be shared equally by the parties, unless otherwise awarded by the sole arbitrator.
  - The parties shall continue to perform their respective obligations under this contract during the pendency of the arbitration proceedings except in so far as such obligations are the subject matter of the said arbitration proceedings.
  - For any queries regarding the tender please contact: +91 9419968539 or you can mail us at imtiazkhan@uok.edu.in , imtiazamu1@yahoo.com

(Note: In the event of the parties deciding to refer the dispute/s for adjudication to an Arbitral Tribunal, then one arbitrator will be appointed by each party).

Sd/-Dr. Imtiaz A. Khan Principal Investigator NMHS-Project Department of Zoology University of Kashmir, Srinagar-190006 Jammu & Kashmir, India

#### CHECK LIST OF DOCUMENTS TO BE SENT WITH TECHNICAL BID

S.No.	Particulars of documents	Page no.	No. of pages
1.	Proof of EMD (mention amount with instrument number and date		1
2.	Proof of PAN no. (mention no)		
3.	Proof of GST Registration No. and VAT Return copy		
4.	Brochure/Leaflets/Technical Information, including Make & Model, Imported/Indian of the item(s)		
5.	UNDERTAKING as per format given in the Tender Document, duly signed		
6.	Technical specifications, terms & conditions and delivery period etc. to be submitted on firm's letter head		
7.	Warranty Certificate from manufacturer or authorized dealer of manufacturer		
8.	P.Os Copies having executed similar items i.e equipment/order copy only With last 3 financial years date of tender. (minimum one purchase order copy Per financial year)		
9.	Authorization Certificate from Original Equipment Manufacturer (OEM) or their Distributor to quote/sell the product, in case the Bidder is not the OEM		
10.	The bidder has to submit an undertaking in firm letter pad that it has not been blacklisted by any Govt Deptt./Instt/Autonomous body.		

# Note: All copies of above documents should be duly signed and stamped by the tenderer before uploading.

Signature of tenderer:
Name:
Name of firm:
Telephone No

## Pagination must be completed properly