

NOTICE FOR INVITATION OF TENDERS (NIT)

BIDDING FOR THE SUPPLY OF VARIOUS EQUIPMENTS/ITEMS

Dr Sami Ullah Bhat (Co-Principal Investigator) invites sealed bids from eligible bidders for supply of equipment(s)/item(s) listed below under the project titled 'Anthropogenic impacts and their management options in different ecosystems of the Indian Himalayan Region'. The project has been sanctioned by MoEF&CC under National Mission on Himalaya (NMHS), Govt. of India and is being implemented by Dr. Sami Ullah Bhat(Co-PI), Assistant Professor, Department of Environmental Science, University of Kashmir Srinagar and Dr. Irfan Rashid(Co-PI), Assistant Professor, Department of Botany, University of Kashmir Srinagar in Kashmir Himalaya.

S. No.	Name of the Instrument	Quantity
1	Weather Tower	1
2	GIS Workstations with 2KVA UPS	1
3	Automatic water level recorder stage recorder with automatic data storage –Radar Type	1
4	Automatic water level recorder stage recorder with automatic data storage –Pressure Type	1
5	Suspended Sediment Sampler	1

Sr. No.	Item Name	Date and Time
1	Last date for Submission of Bids (Email) (Optional)	21-12-2017
2	Last date for physical submission of Tender Fee, EMD and other docs	21-12-2017
3	Date of Opening of Technical Bids (Tentative)	30-12-2017
4	Date of Opening of Financial Bids (Tentative)	05-01-2018
5	Place of Opening of Bids	Department of Environmental Science, University of Kashmir Srinagar.



Detailed Terms and Conditions:

1. The tenders shall be submitted under two-bid system (soft copy (CD) and hard copies):

Envelope-A (Technical Bid): Quotation mentioning all technical details of the instrument under sealed envelope should contain following documents:

- i. Valid and upto date VAT clearance certificate, TIN number, PAN/GIST number and other relevant documents. Also technical details of the instrument and the specifications/technical details should be supported with the catalogue.
- ii. Accompanied with CDR for an amount of 2% of the total quotation price (valid for a minimum period of 8 months) pledged to Dr. Sami ullah Bhat, Co-Principal Investigator, Department of Environmental Science, University of Kashmir.

2. Envelope-B (Price/Financial Bid): It should contain price bid under sealed cover. The price bid should include:

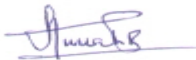
- i. All duties, taxes, levies (CST/GST/VAT or other taxes) payable must be quoted separately.
- ii. The rates quoted should be for Department of Environmental Science University of Kashmir, Hazratbal, Srinagar.

Both the technical bid and the financial bid should be sealed by the bidder in separate covers duly super-scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super-scribed.

3. Tenders will be received by Hand/Speed Post/Registered Post/Courier Services only in sealed cover labeling for Department of Environmental Science, University of Kashmir, Hazratbal Srinagar” and addressed to Dr. Sami Ullah Bhat, Assistant Professor(Co- PI), Department of Environmental Science, University of Kashmir, Hazratbal Srinagar-190006, J&K, up to 4.00 pm on 21/12/2017.
4. The cover should read “Tender for Weather Tower, GIS Workstations, Automatic Water Level Storage Recorder, Suspended Sediment Sampler” University of Kashmir, Hazratbal Srinagar and also indicating thereon: i) Reference No. of the Tender ii) Due date for submission of the tender iii) Name of the firm with an address, Mobile/Phone/Fax and e-mail.
5. The technical/purchase committee may hold discussions if required with the bidders and if any such discussion is held, equal opportunity shall be given to all bidders to participate in the discussions. Further, the technical/purchase committee may add, amend or omit any specification of the subject matter of procurement or criterion for technical evaluation but without modifying the fundamental nature of the procurement itself.
6. The technical/purchase committee along with Dean of Concerned School reserves the right to negotiate with the preferred vendor price etc or any other provisions/deals that the committee may deem appropriate for safeguarding Principal Investigator’s preference.
7. The equipment proposed to be procured under a consortium agreement of various participating Govt. institutes to ensure standardization and to avail volume discounts after negotiating with successful bidders.
8. Delivery period should not exceed 4-8 weeks and period should be clearly indicated in the quotation

9. The PI reserves the right to negotiate with the lowest and responsive bidder for justification of prices and discounts.
10. The vendors must demonstrate the quoted system within stipulated time frame during technical evaluation of the bids. This is an essential requirement of the tender.
11. Vendor should preferably attach two letters of satisfaction from the reputed government national institutes or research organization where quoted machine is installed and running smoothly and attach a list of institutes where the equipment has been supplied.
12. Minimum three years warranty is required on all the equipment and parts of equipment including spares and accessories.
13. The Annual Maintenance Contract (AMC) for 2 years after the extended warranty must be included in the quote as optional.
14. The Suppliers shall clearly indicate both in words and figures maximum discount they can offer to the University of Kashmir on the rates quoted by the manufacturers.
15. The quote for weather tower should include all the costs from supplying to installation at Sonamarg and warranty of three years starting from installation of weather tower.
16. The manufacturers/authorized distributors are requested to send soft copy of the quotations by e-mail at samiullahbhat11@gmail.com by or before 21/12/17.

Note: The decision of Technical/Purchase Committee for rejection or selection of any bid will be final



Technical Specifications for Weather Tower	
Model	Description
Meteorological Monitoring System consisting of following:	
DATALOGGER	
CR1000X	Measurement & Control Module with 4 MB SRAM + 72 MB flash
XXXXXXXX	Memory Card
XXXXXXXX	USB Memory Card Reader/Writer
KEYBOARD DISPLAY	
CR1000KD	CR1000 Handheld Keyboard & Display (includes SC12 cable)
ENCLOSURE	
ENC 16/18	ENCLOSURE FIBERGLASS 16" X 18" (White) (includes installation kit)
ENC Mount	Kit for tower and tripod mounting
SENSORS	
AIR TEMPERATURE & RELATIVE HUMIDITY SENSOR	
HC-2S3	Relative Humidity (0 to 100%) & Air Temperature Probe (-40 to +60C) (6 Ft Lead)
41003-5	RM YOUNG RADIATION SHIELD 10 Plate Threaded without Plug
WIND SPEED & DIRECTION SENSOR	
05103- L30	RM Young Wind Monitor (requires CM220 or 17953)
PRECIPITATION GAUGE	
SG-400	APOGEE TOTAL PRECIPITATION GAUGE
SNOW DEPTH SENSOR	
SR50A	CSC Sonic Ranging Sensor
19517	SR50A Mounting Kit
POWER SUPPLY	
XXXXXXXX	POWER SUPPLY Charger/Regulator
XXXXXXXX	50 Watt 12 Volt with mount (10Ft Lead)
XXXXXXXX	12V65 AH SMF Battery for heating of rain gauge sensor
MOUNTING HARDWARE	
XXXXXXXX	10 Meter Triangular Tower

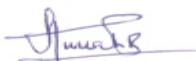
J. Smith

- **Technical Specifications for GIS Work Stations**

Features	Specifications
Form Factor	Desktop
Processor Make	Intel
No. Of Processors	2 No.
Processor Configuration	Intel Xeon E5-2650 v4 (12 Core, 2.2 GHz, 30 MB L3 cache, 105 Watt)
Chipset	Intel C612
Type Of Graphics	Discrete
Graphic Card	NVIDIA Quadro M2000 4GB Graphics
RAM Type	DDR4
RAM Size	16 GB
RAM Expandability	256 GB
Type Of Hard Disk Drive	SATA
No. Of Hard Disk Drives	1 No.
No. Of DIMM Slots	8 No.
No. Of PCIe Slots Gen 3.0 (x 1)	na No.
No. Of PCIe Slots Gen 3.0 (x 16)	3 No.
Operating System	Windows 10 Pro
OS Certifications	Windows, Ubuntu, RHEL
Applications	DCC,EDA,MCAD,MCAE
Networking Interface	Integrated Gigabit 10/100/1000
Wi-Fi Connectivity	802.11 a/b/g/n/ac
VGA Port	Not-Available



HDMI Port	Available
Display Port	Available
Mini Display Port	Not-Available
RJ45	Available
No. Of USB 2.0 Port	7 No.
No. Of USB 3.0 Port	4 No.
No. Of Internal Bays	2 No.
No. Of External Bays	2 No.
Optical Drive	Available
Display (antiglare, LED-backlit)	Monitor
Display Type	Non- Touch
Display Size	54.61 cm
Display Resolution (Full HD Or Better)	1680X1050 Pixel
Keyboard	Standard Keyboard
Mouse	Optical Scroll Mouse
Safety Certifications	
Security	Integrated panel lock
Warranty	3 Year
Hard Disk Drive Size	1000 GB
Power Management Unit	NA
Maximum Power Consumption	825 Watt
Availability Of Bundled Soft wares	System Health monitoring Tool with H/W box
ROHS Compliance	Yes



TCO Compliance (for Monitors)	TCO-06
BIS Registration	Yes
Applications Certification From OEM Manufacturing Workstation	ISV
RAM Speed	2400 MHz
Power	825Watt



- Pressure based AWLR (inside a stilling well)

Features		Specifications	
Model		HOBO water level logger U20-001-01 (along optic USB base station and coupler for the logger)	
Range		0 to 9 m	
Operation Range	Pressure	Range	0 to 207 kPa
		Raw Pressure Accuracy	±0.3% FS, 0.62 kPa (0.09 psi) maximum error
		Resolution	<0.02 kPa (0.003 psi), 0.21 cm (0.007 ft) water
	Temperature	Range	-20° to 50°C
		Accuracy	±0.44°C from 0° to 50°C
		Resolution	0.10°C at 25°C
Logger			
Dimensions		2.46 cm (0.97 inches) diameter, 15 cm (5.9 inches) length; mounting hole 6.3 mm (0.25 inches) diameter	
Wetted material		Stainless steel models: approximately 210 g	
Battery		2/3 AA, 3.6 Volt lithium, factory-replaceable	
Battery Life		5 years with 1 minute or greater logging interval	
Real-time Clock		± 1 minute per month 0° to 50°C	
Memory (non-volatile)		64K bytes memory (approx. 21,700 pressure and temperature samples)	
Launch Modes		Immediate start and delayed start	
Water Level Accuracy		Typical error: ±0.05% FS, 0.5 cm (0.015 ft) water Maximum error: ±0.1% FS, 1.0 cm (0.03 ft) water	
Logging Interval		Fixed-rate or multiple logging intervals, with up to 8 user-defined logging intervals and durations; logging intervals from 1 second to 18 hours	
Certificates		CE	

Amir

- **Technical Specifications for Automatic water level stage recorder**

Radar water level sensor

Features	Specifications
Sensor Model	CW56
Measurement range	15 m
Accuracy	± 2mm
Data logger Model	DT along with solar panel and enclosure

- **Technical Specifications for Sediment Sampler**

Features	Specifications
Model	DH 48
Type	Hand Held Wading
Materials	Cast Aluminum
Net Weight	2kg (4lb)
Dimensions	330 mm long
Max. Depth	1m, 90mm from bed
Wading Roads	13mm Dia. 2 sections (0 -0.5 m) & (0.5 - 1m)
Packing Details	6kg (13lb), 0.01m ³

