



Bidhan Chandra Krishi Viswavidyalaya

AICRP on Irrigation Water Management

Gayeshpur- 741234, Nadia, West Bengal

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Dr. Ratneswar Poddar

M.Sc. (Ag.), Ph.D.

OIC, AICRP on Irrigation Water Management & Asst. Professor (Agronomy)

Ref. No.: IWM/25-26/LTC-1

Dated: 29.01.26

e-Tender Notification

Rates are invited from the eligible vendors having good credential GST in sealed cover for repairing and servicing of the following instruments for the project "AICRP on Irrigation Water Management" funded by ICAR, at Directorate of Research, Bidhan Chandra Krishi Vishwavidyalaya, Gayeshpur-741234, Nadia, W.B. The quotations should reach to the office of the Department of Agronomy, Bidhan Chandra Krishi Vishwavidyalaya, Mohanpur-741252, Nadia, W.B., within 7 days from the date of publication of the notification.

EMD: Vendors are required to pay the requisite amount (INR) as EMD for Rs. 7000.00 (Rupees seven thousand only) in demand draft. Scan copy of the requisite draft must be uploaded as a supporting document for the equipment during submission of e tender. **Without EMD quotation will not be considered for technical comparison.** Draft must be in favour of 'Bidhan Chandra Krishi Viswavidyalaya' payable at Kalyani (IFSC: SBIN0001082). EMD exemption certificate (if any) must be uploaded with tender document.

Sl. No.	Name of the Item/ Equipment	Qty.	Details Specification
1	Spectrophotometer	1	The instrument shall be a fully automatic true double beam spectrophotometer employing simultaneous reference and sample beam optics to ensure high photometric stability and real-time correction of source fluctuations, incorporating a precision diffraction grating monochromator with not less than 1200 lines per millimetre and a fixed spectral bandwidth of 2 nm. Digital wavelength control with automatic calibration shall provide wavelength accuracy within ± 2 nm and readability of 1 nm per step. The system shall offer a photometric range of at least ± 2.5 Abs with accuracy ± 0.005 Abs at 1.0 Abs, repeatability within ± 0.005 Abs, resolution of 0.1%T and 0.001 Abs, baseline flatness within ± 0.005 Abs, and drift not exceeding 0.003 Abs per hour at 500 nm. Measurement modes shall include absorbance, transmittance, and concentration with single wavelength, multi-wavelength, spectrum scan, and time scan functions, supported by selectable scan speeds and concentration calculation using factor and standard curve methods. The optical system shall use a stabilized tungsten halogen lamp and matched silicon photodiode detectors for reference and sample channels. The sample compartment shall accommodate standard 10 mm path length cuvettes for simultaneous reference and sample measurement with a maximum sample volume requirement of 1 ml and provision for multi-cell cuvette holders. The instrument shall feature a menu-driven LCD display with keypad operation, internal data processing with storage and recall of analytical methods, serial interface for PC connectivity, printer output capability, and operation on 230 V AC $\pm 10\%$, 50 Hz power supply in a compact bench-top configuration with weight not exceeding 10 kg, supplied complete with standard glass cuvettes, dust cover, and operating manual. Warranty: Three years full comprehensive warranty from date of installation
2	Flame photometer	1	A fully microcontroller-driven flame emission photometric analytical system capable of rapid, single-aspiration determination of alkali and alkaline earth elements including sodium, potassium, lithium and calcium, incorporating dual programmable concentration modes (low and high)

Cntd....

As per decision of the *8th*
meeting of the LTC held on *29.01/26*
tender notice is allowed to publish
as per rule

Subhrajit Kundu 29/1/26



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			with automatic curve-fitting correction to compensate for non-linear emission behaviour at elevated concentrations, enabling accurate analysis over extended dynamic ranges without mandatory dilution; the instrument shall support multi-point calibration with storage and recall of user-defined methods and analytical data sets (minimum 1000 results, individual, batch-wise and date-wise), provide re-standardisation using a single standard to minimise drift, feature an integrated high-contrast alphanumeric display (minimum 4 lines) with menu-driven operation, real-time clock, internal averaging control (approx. 2-15 s), defined minimum sample uptake of ~3 ml per element, reproducibility within $\pm 1\%$ full scale at low concentration and $\pm 2\%$ full scale at high concentration, optical interference control via element-specific filters, stable flame generation through regulated compressed air supply with moisture- and oil-free filtration, user-supplied LPG fuel operation, automatic ignition provision, digital communication interface for PC data transfer (RS-232 or equivalent), optional hard-copy output compatibility, operation on standard single-phase AC mains (≈ 230 V, 50 Hz), compact bench-top construction with separate compressor unit, and complete readiness for routine laboratory, industrial, clinical, agricultural and environmental applications requiring reliable elemental flame photometry with high repeatability and operational automation Warranty: Three years full comprehensive warranty from date of installation
3	Centrifuge machine	1	Stepless speed regulator with zero start interlock, Digital speed indicator, Dynamic brake, 0-99 minutes digital countdown timer, Imbalance detector with cutoff, Safety lid interlock to prevent cover opening during centrifugation, Rotor head capacity: 6 / 12 \times 50 ml, Speed: 7000 rpm or more Warranty: Three years full comprehensive warranty from date of installation

Terms & Conditions

- Submission of quotation: The quotation shall be uploaded within seven days up to 5 pm.
- Technical bids will be evaluated by the indenter and the other expert member of the technical committee and the financial bids will be opened of those bidders who qualified in technical bids.
- Price: The price of the item should be quoted in INR and net per unit (including GST etc.)
- Online payment will be done after satisfactory performance of the items.
- Supporting documents: Photocopy (self-attested) of current trade license (if available), GST registration, PAN etc. should be submitted.
- The office reserves the right to accept or reject any or all the quotations without assigning any reason whatsoever at any stage of the process.
- Bill will be processed after delivery of the items.

Thank you,

Ratneswar Poddar
(Ratneswar Poddar) 29.01.26

As per decision of the ^{89th}.....
meeting of the LTC held on 22/01/26
tender notice is allowed to publish
as per rule

Subhralakshmi
29/1/26