



Bidhan Chandra Krishi Viswavidyalaya

"Post Harvest Processing of Marigold and other Flowers for Income Generation of the Farming community in West Bengal" (Project Code -12113)

Directorate of Research

Kalyani, Nadia- 741235 (W.B)

From: Dr. Suhrita Chakrabarty (Das)
Professor

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Tender Notice

Ref. No. RKVY/ MG/ 2021-LTD 4

Dated : 21.1.2022

Rates are invited from the eligible vendors having good credential GST/IT clearance in sealed cover for supply of the following items for the project -"Post Harvest Processing of Marigold and other Flowers for Income Generation of the Farming community in West Bengal" funded by RKVY, RAFTAAR, at Directorate of Research, Bidhan Chandra Krishi viswavidyalaya, Kalyani-741235, Nadia, W.B. The quotations should reach to the office of the undersigned at Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, Kalyani-741235, Nadia, W.B., within 15 days from the date of publication of the notification

7 (seven) *Suhrita Chakrabarty*

Sl. No.	Name of the Item	Qty.	Details Specification
1.	UV-VIS spectrophotometer	One	UV-VIS spectrophotometer double beam UV-VIS microcontroller type with AMC (Detail technical specification given in next page)

Special Terms & Conditions: Next page

- The bonafied and eligible bidders are requested to quote their price including all specifications
- The bidders should have GST, P/Tax, MSME certificate (if any), I.T Return (last year) and PAN etc.
- EMD of @ 1% of the total amount quoted amount is to be submitted through Demand Draft (Photocopy) in favour of Bidhan Chandra Krishi Viswavidyalaya, along with the quotation. Without EMD quotations will not be considered for financial comparison.
- EMD exemption certificate must be submitted with the quotation document, if any. The quoted price should be inclusive of all taxes, if any.

Quotations must specify the terms and conditions for supply including warranty where applicable and the rates should be quoted per unit basis inclusive of all taxes which should be mentioned clearly. The University reserves the right to reject or accept any quotation without assigning any reason what so ever.

*Forwarded to the Registrar for
website notification*

Director of Research
Directorate of Research, BCKV
Kalyani-741235, Nadia, W.B.

Thank you

Suhrita Chakrabarty
Prof Suhrita Chakrabarty

Librarian

P. Upadhyay

4/2/22

TECHNICAL SPECIFICATIONS

PC based UV-VIS double beam spectrophotometer with following specification:

Display: LCD Touch screen, operation touch screen and keyboard

Type: UV-VIS double beam spectrophotometer

Source of light: Deuterium lamp and tungsten halogen lamp

Detector: Silicon photo diode, two number, one for reference and other for sample/standard

Granting: Holographic grating based monochromatic with 1200 lines /mm

Automatic function: automatic wave length selection, filter selection, baseline correction, dark correction, stray light correction

Wavelength range: 190-1100nm

Spectral Bandwidth: 1nm

Wavelength Accuracy: ± 0.3 nm or better

Absorbance Accuracy: ± 0.005 Abs or better

Wavelength Repeatability: ≤ 0.1 nm

Photometric Range: 0-200 %T; -4 to 4 Absorbance

Photometric Accuracy: $\pm 0.2\%$ T (0~100%T) or better

Photometric Repeatability: $\pm 0.1\%$ T (0~100%T)

Stray light: $\leq 0.03\%$ T

Stability: ± 0.0003 Abs/hr @500nm

Baseline flatness: ± 0.001 Abs.

Transmittance Range: 0 to 100%T

Transmittance Accuracy: \pm or better

Scan speed- 8000nm/min

Photometric Absorbance Range: ± 4 Abs

Absorbance Accuracy: ± 0.005 Abs or better

Resolution: 0.1nm, 0.001 Abs and 0.1%T

Focal length: Above 300 mm

Measurement mode: Transmittance, absorbance, concentration (STD and k-factor), Timescan

Path length: Default 10 mm path length, compatible for 20 nm, 40 nm, 50 nm and 100 nm

Memory: 100GB or more

Connectivity: wi-fi, USB

Power: 230 \pm 10 volt and 50Hz

Operating Temperature: 8-48°C

Accessories: 1 pair Quartz cuvette

 28/11/22

Additional requirement

Other criteria:

Company should have good performance track record of at least 10 years with references of users of similar equipment. Whether the bidder is Manufacturer or Agent of the manufacturer. Please mention as the case may be. In case of agent of the manufacturer/Principal the proper authorization needs to be attached. The instrument shall strictly confirm to the specifications with relevant brochure. The company should be reputed supplier and should not be blacklisted or should not have any adverse remarks in the past. Spares should be made available for minimum period of 10 years after the warranty period by the supplier. Experience of supply of Government organization in India is desirable. Live Product demo if required for technical fulfillment, should be provided component wise free of cost. Demo may be conducted through virtual mode also. Training on operation, at site by the expert. User list of the same or similar product may also be enclosed along with the quotation. Only companies willing to offer minimum of two or more years of warranty, and having adequate infrastructure for service and repair in India need to quote.