



BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

Directorate of Research, Kalyani, Nadia, West Bengal

DBT Project "Exploration of Banana Biodiversity and its
Biotechnological Research in Nagaland"

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Principal Investigator

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Ref. No.:DBT-Banana/01

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Ref. e-Tender ID : 2018_BCKV_187029_1

NOTICE INVITING e-TENDER

Principal Investigator of the DBT funded project "Banana Biodiversity..... Nagaland" under the Directorate of Research, BCKV, Kalyani, Nadia is inviting e-tenders from reputed foreign/domestic company, competent and *bonafide* manufacturers/ distributors/ dealers/ agents/ vendors/ parties having registration of GST for supply of the following items to the above mentioned Project at Directorate of Research, BCKV, Kalyani, Nadia **within 31.08.2018 up to 2.00 pm as per specifications appended bellow.**

Terms & Conditions:

- i) Preparation of bids: the tender should be submitted under two bid system (i.e. technical and financial bid) with validity for a period of 6 (six) months.
- ii) Technical bids will be evaluated by the indenter and other expert members and the financial bids will be opened of those bidders who qualified in technical bids. Manufacturer certificate must be submitted with technical bid; otherwise the technical bid will be treated as cancelled.
- iv) **In case of Foreign company's make items** - The prices of all the equipment and items, including imported ones, should be quoted in net per unit (including all taxes and duties, etc.) and in Indian Rupees only, even if the main equipment is quoted in foreign currency (However, University will provide valid **DSIR** and authorization certificate to the clearing agent, if required). Quotation must include essential accessories of PCR (Gradient) Machine, Microcentrifuge and Midi Horizontal Electrophoresis system and without essential accessories tender will be considered as incomplete. Quoted rates must be FOR DESTINATION (including packing, insurance and delivery charges up to the laboratory at Directorate of Research, BCKV, Kalyani-741235, Nadia) with satisfactory installation and demonstration. The bidders must stipulate the delivery period of the same.
- v) Reduced rate of GST (5% or as Govt. approved GST of the specific instrument) is applicable to the University.
- vi) Payment will be made after satisfactorily installation, demonstration and working performance of the items.
- vii) EMD: Rs. 20,000 (Rupees twenty thousand only) in the form of Bank Draft in favour of 'Bidhan Chandra Krishi Viswavidyalaya' payable at Kalyani (IFSC: SBIN0001082).

Scanned copy of the demand draft must be uploaded as supporting document during submission of e-tender. Without EMD quotations /bids will not be considered for technical and financial comparison. EMD exemption certificate must be attached, if any.

viii) The vendor should have some experience for supplying of different items to any Government / Semi Government organization.

ix) Important safety standards

The instrument must confirm to International EMC and Safety standards.

x) Warranty

Warranty period minimum 3 Year or more from the date of installation. Manufacturer may have their own dedicated Service Centre available in India, preferably in Kolkata/Kalyani or Mohanpur and details of Service Centre may be provided while submitting their Quotations

xi) General

Quotations should be submitted either by an OEM or their Authorised Distributors only. Valid Authorisation Certificate from OEM is must in case of Quotations are submitted by Distributors.

xii) Supporting documents (as applicable):

- a) Bid papers should accompany authorization certificate from original manufacturer and/or Manufacturer certificate, GST registration, Latest IT return, PAN and other statutory documents, if any.
- b) Scanned copy (self attested) of the original supporting document in favour of the specification –claim for each items must have to be uploaded separately
- c) User list along with certificate from reputed users also need to be uploaded.
- e) Price bid of the vendors will be compared only if technical specifications are fulfilled.
- f) The Viswavidyalaya reserves the right to accept or reject any tender without showing reason.

| Sl. No. | Item with Specification / Description | Quantity (No.) |
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| 1. | <p>PCR (Gradient) Machine</p> <ul style="list-style-type: none"> • Single PCR machine with two blocks to run two totally independent protocols at the same time. • One block to use at least 30 x 0.1/0.2ml tube and other block atleast to use 60 x 0.1/0.2ml tubes, should be able to use at least 20 x 0.5ml PCR tube and Key pad controller only. • Each block should be universal to hold PCR strips, 0.1/0.2 mL and 0.5 mL PCR tubes. • Large display with graphic programming facility, should have E-mail notification facility also. • Lid with automatic height adjustment and should be able to fit dome or flat capped PCR tubes, unless the lid temperature heated up to its set temperature, block should maintain constant temperature at 20°C, should be able to combine up to 3 units for maximum throughput | 1(One) |

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| | <ul style="list-style-type: none"> • Block homogeneity: 20 °C–72 °C 95 °C, $\leq \pm 0.3$ °C $\leq \pm 0.4$ °C • Heating rate ca. 3 °C/s, Cooling rate ca. 2 °C/s or better • Block temperature accuracy ± 0.2 °C • Sound power levels < 41 dB[A] or better • Temperature control range of the block: 4–99 °C, should have facility to control temperature as per the G-C content and sample volume • Lid temperature range: 37–110 °C; 8 column gradient for PCR optimization • Gradient temperature range: 30–99 °C; Gradient range: 1 - 10 °C or better • Set ramp speed should be maintained throughout the protocol • CE certified, should provide users list and should have service centre preferably in Kolkata/Kalyani or Mohanpur. | |
| 2. | <p>Microcentrifuge</p> <ul style="list-style-type: none"> • Capacity: 12 × 1.5/2.0 mL, 2 × PCR strip • Speed up to 12,000/14,000 × g • Digital display for reproducible setting of time and speed • Rotor, inner centrifuge lid and lid latch should be made of metal for maximum operational safety • Soft-touch lid closure for ergonomic lid locking • Lid should open automatically at the end of the run to prevent sample warming and to allow easy access to samples • Time setting 15s–29min or better • Acceleration time (seconds): 13 or better • Braking time (seconds): 12 or better • Noise level (dBA) < 49 or better • Short spin for quick runs • Keypad controller • Easy accessible height 13 cm or better • Rotor and rotor lid must be autoclavable at (121 °C, 20 min) • Small Footprint (W × D) 23 × 24 cm or better • CE certified, should provide users list and should have service centre preferably in Kolkata/Kalyani or Mohanpur. | 1(One) |
| 3. | <p>Midi Horizontal Electrophoresis system</p> <ul style="list-style-type: none"> • A midi horizontal electrophoresis system should be able to run the gel size of 15 x 7 cm, and 15 X 10 cm. The system should be supplied with 15 X 10 gel trays, Gel tank with safety lid. • The supplied gel trays should be UV proof and the trays can be directly kept on the UV Transilluminator and should have an integrated fluorescent ruler in the tray. The ruler should get | 1(One) |

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| | <p>illuminated on exposure to UV Light for easy and safe calculation of the band movements.</p> <ul style="list-style-type: none"> • The system should include tape free gel casting module for leak free operations and should include two 1.5mm combs, 15- & 20-well fixed height combs each. • It should have the option for adjustable height combs with comb holders. • Migration rate of Bromophenol Blue dye should be similar to 4.5cm/hr (at 75 V). • The system should have a lid with the safety banana Jacks, which breaks the circuit when the lid is running and should be provided with a bubble leveler for even gel casting. • The Lid should have a safety option so that the lid cannot be closed in the wrong orientation. It should have an integrated cable to connect it to the power pac directly. • The gel caster should have 3 height adjustable screws for balancing the uneven platforms for uniform gel casting. • The electrodes should be color coded to remove the confusion of wrong orientation. • Power Supply Basic : Programmable power supply should be capable to operate four electrophoresis units simultaneously for four identical runs with graphic LED display. • The output range should be 10-300 V , 0.4-400 mA, 1-75 W • Constant voltage, current or Power with Automatic crossover • Memory storage: 9 programs , 9 steps, Timer Control : 99 hr, 59 min • Automatic Power up after Power failure, Safety features: No-load detection; sudden load change detection. • CE certified, should provide users list and should have service centre preferably in Kolkata/Kalyani or Mohanpur | |
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