

BIDHAN CHANDRA KRISHI VISWAVIDYALAYA



DEPARTMENT OF AGRICULTURAL ENTOMOLOGY

FACULTY OF AGRICULTURE

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From:
Dr. Shantanu Jha
Professor
&
Principal Investigator

Memo No. Ento./RKVY(2)/002/2019

Dated: 22.10.2019

Bid Submission End Date 22-Nov-2019 06:00 PM

Notice Inviting E- Tender

The Principal Investigator, “INFRASTRUCTURE UPSCALING OF COMMERCIAL APICULTURE UNIT OF BCKV FOR SCIENTIFIC HONEY PRODUCTION AND MARKETING” (RKVY Scheme) Project (Code: 12088) is inviting e-tender from competent and bonafide vendors /parties/ distributors/ dealers/agents/manufacturers having registration of GST for supply of following tools and equipments to establish a “Commercial Apiculture Unit”, in **turn-key** basis at BCKV, Mohanpur, Nadia, West Bengal-741252 within 15 days from the date of issue of this notice as per specifications appended against each item.

- i. Preparation of bids: the tender should be uploaded under two bid system (i.e. technical and financial bid) with validity for a period of three months.
- ii. Submission of e-tender: the tender shall be uploaded on line within 5 PM on 22.11.2019.
- iii. Opening of the e-tender: the technical bid will be opened by the Central Purchase Committee, BCKV, duly consigned for this purpose. **After scrutinizing, the financial offer/bid of technically qualified vendors will be opened.**
- iv. Price: The price of all the tools and equipments, including the imported ones, should be quoted in NET per unit in INR (including all taxes and duties, etc). However, university will provide valid DSIR and authorization certificate to the clearing agent, if required. Without essential accessories tender will be considered as incomplete. Quoted rates must be FOR DESTINATION (including packing, insurance, transportation and delivery charges) up to the processing site at BCKV, Mohanpur, Nadia, West Bengal with satisfactory installation and demonstration. Prices shall remain firm & valid for 90 days from the date of opening of Quotation. The Dispatches/Deliveries are to be made within 4 to 6 weeks from date of acceptance of order. Installation shall be done, at free of cost.

v. EMD: Vendors are required to pay the requisite amount (**Rs.20,000.00**) as EMD draft as specified against their quotation. Scanned copy of the requisite draft must be uploaded as supporting document during submission of e-tender. **Without EMD, quotations will not be considered for technical or financial comparison.** Demand Draft must be in favour of “Bidhan Chandra Krishi Viswavidyalaya” payable at Kalyani (IFSC: SBIN0001082). **The EMD exemption certificate must be uploaded, if any.** However, bidders are requested not to send the original DRAFT during tendering process.

vi. Payment Schedule: Payment to be made after completion of the project with full satisfaction of the University Authority.

vii. Supporting documents:

- a) Bid papers should accompany authorization certificate from original manufacturer, trade license, GST registration, PAN etc.
- b) Scanned copy (self attested) of the original supporting document in favour of the specification –claim for each item must have to be uploaded separately.
- c) User list along with certificate from reputed users also need to be uploaded.
- d) Scanned copy of supporting document of assured after sale service in Eastern India and availability of spare parts need to be uploaded.

PROFILE AND RESPONSIBILITIES OF THE BIDDER

1. Bidders must have Manufacturer certificate, and registration with NSIC, MSME Udyog Adhar, Scanned copy of which must be uploaded along with Technical Bid.

2. Bidders must have experience of executing at least 3 (Three) Orders each of value more than Rs. 60 (Sixty) Lacs, Scanned copy of which must be uploaded along with Tender.

3. Bidders should have capacity to furnish complete details of the latest technology available with full descriptive literature.

4. The Successful Bidder must be able to provide complete details regarding all infrastructures needed for installation of the tools and equipment, which should be arranged before its arrival at the user end.

5. Order will be placed in a package, the Successful Bidder must be capable to execute the order as a Turn-Key Project.

6. The Successful Bidder will be fully responsible for the manufacturing Guarantee in respect of proper design, quality and workmanship of the equipment, accessories etc. covered by the tender, and must attend the site for servicing within 48 hours of reporting for a minimum period of 5 (five) years.

7. Successful Bidder must visit the Unit at an interval of two months to inspect the machines and do service if necessary to run all the machines properly for a period of two years.

8. Successful Bidder will make provision for imparting training to our staff on operation and use of equipment, during Commissioning time.

1. BCKV may claim the liquidated damages due to failure of accepting the order or delivery of materials after their tender is accepted, subject to maximum 2% of the material value.
2. The Successful Bidder must deposit a security @ 2% of the contract value at the time of bill payment after successful completion of the project which will be kept as a Performance Guarantee for a period of one year, with BCKV. This security money will be released after one year without any interest.
3. Bidders must have the following Documents which need to be uploaded along with their tender:
 - A. Pan Card of Individual in case of Proprietary Firm OR Company Pan Card in case of Partnership Firm or Limited Company.
 - B. GST Registration certificate.
 - C. Audited Balance sheet and Income Tax return for the last three years.
 - D. Technical Leaflet of the Equipment.
 - E. Any Performance Certificates received from Govt. Or Semi Govt. Authority or Private Industries.
 - F. List of Customers who are using similar equipments, supplied by the Bidders.

Price bid of the vendors will be compared only if technical specificity as appended against each item is fulfilled. The Viswavidyalaya reserves the right to accept or reject any tender without showing any reason, and will not be bound to accept mere the lowest bid.

Chairman, CPC, BCKV

Shantanu Jha
Principal Investigator
INFRASTRUCTURE UPSCALING
OF COMMERCIAL APICULTURE UNIT
OF BCKV FOR SCIENTIFIC HONEY
PRODUCTION AND MARKETING”
(RKVY Scheme) Project (Code: 12088)
BCKV, Mohanpur, Nadia, West Bengal

**Establishment of a Commercial Apiculture Unit (RKVY) in
turnkey basis as specified below-**

Sl. No.	Name of the Item/Equipment	Detail Specification
1.	Phase contrast microscope	<ul style="list-style-type: none"> ▪ Upright Trinocular, wide field microscope for bright and dark field, phase contrast; ▪ Modular universal microscope heavy rugged stand for longevity, highest stability & vibration free work ▪ System suitable for bright field, dark field, phase contrast & DIC plastic vessel (upgradable stand upper part) ▪ Transmitted light: 10 W LED ▪ Binocular phototube inclination 30 ▪ Widefield focusable 10x eyepieces (paired) with 24 mm field of view ▪ Hexatuple nosepiece (accommodate of objective) ▪ High quality infinity color contrast corrected optical system based A-plan objectives- 5x, 20x, 40x, 100x (oil) for bright field, phase contrast also ▪ Large circular disc type intensity regulator & focusing knob placed both side, accessible from both side & controlled each of them without moving the hand position for better ergonomic & continuous without moving away from the eyepiece ▪ Drawing tube ▪ Integrated luminous field diaphragm & aperture stop ▪ 6-position filter wheel at the front equipped with the integrated shutter additional filter slider at the back ▪ Interference green filter, white balance filter, contrast enhancing blue filter, neutral density filter 0.25 & neutral density 0.06, neutral density 0.015 ▪ Mechanical stage with hard coat anodized surface with right hand low drive coaxial control along with holders & extension plate ▪ Stage and ocular micrometer
2.	Stereo Zoom Binocular Microscope	<ul style="list-style-type: none"> ▪ Stereo Zoom Binocular Microscope ▪ Zoom ratio 1: 7 ▪ Objective Zoom range 0.65X – 4.5 X ▪ Standard Magnification: 6.7x - 45x with 1x objective & 10x eyepiece ▪ Eye piece: SWF 10X/ 22 mm(Super widefield) ▪ Interpupillary distance adjustment 55mm-75mm ▪ Transmitted light source with independent ▪ Intensity regulator ▪ Reflected LED light Source with independent Intensity regulator ▪ Optional Accessories: Objectives, eyepieces
3.	Refractometer (Moisture)	<ul style="list-style-type: none"> ▪ Uncompensated reading (nD), temperature compensated to sucrose (nD20) and % Brix. Ideal for the analysis of : Fruit, Energy drink, puddings, soy milk, juices, marmalade, honey, soups, jelly, tofu and condiments; Dual level LCD displays measurements and temperature simultaneously. Automatic temperature compensation, easy measurement, BEPS low battery indication-IP65, water protection-Quick, accurate result within 1.5 sec, one point calibration. Small size samples as small as 2 metric drops, Automatic shut off. Stainless Steel sample well, ABS thermoplastic casing ▪ Temperature Range : 0.0 to 80°C (32.0 to 176.0°F) Resolution : 0.1 °C (0.1°F) Accuracy (@25°C/77°F) : ±0.3°C (±0.5°F) Temperature Compensation : automatic between 10 and 40 °C ▪ Measurement Time : approximately 1.5 seconds ▪ Minimum Sample Volume : 100 µL (to cover prism totally) ▪ Light Source : Yellow LED ▪ Battery Type /Battery Life : 9V/approximately 5000 readings ▪ Dimensions / Weight 192 X 102 X 67 mm / 4200 G ▪ HI4020-11-BRIX standard 50 %, 10 ml
4.	Refractometer (Sugar)	Range: 12.0-30.0%; Resolution: 0.1%; Accuracy: +/-0.2 % 10.0-40.0 Deg C

		<p>ATC Controlled. IP65 Water Resistant Pocket. With the moto of measuring % water content of honey, measurements can be made anywheerre with ease.</p> <ul style="list-style-type: none"> ○ Measurement of honey moisture ○ Automatic Temperature Comensation feature. <p>Specifications:</p> <p>Measurement range : Honey Moisture 12.0 to 30.0%</p> <p>Resolution : Honey Moisture 0.1%</p> <p>Accuracy : Honey Moisture ±0.2%</p> <p>Measurement Temperature : 10 to 40 °C (ATC)</p> <p>Power Supply : 2 x AAA Batteries</p> <p>Waterproof Protection : IP65</p> <p>Dimensions and Weight : 55 X 3.1 X 10.9 mm, 100 g</p>
5.	Computer with accessories	<p>Desktop computer with UPS 500 VA</p> <ul style="list-style-type: none"> ▪ Built with the Intel Core i3 (7th Gen) 3.9 GHz processors ▪ High capacity Hard Drive of 1 TB ▪ RAM: 4 GB DDR4 ▪ OS: Windows 7 ▪ 20 Inch LED Monitor ▪ Dell Wireless + Bluetooth ▪ Dell Keyboard & Mouse ▪ APC 500 VA UPS <p>Printer Scanner Copier</p> <ul style="list-style-type: none"> ▪ Printer Output: Color ▪ Print Speed: ▪ Black: Up to 10 ipm, Colour: Up to 5 ipm ▪ Interface: USB
6.	Turbidity meter	<ul style="list-style-type: none"> ▪ High stable and accurate ▪ 16 character X 2 Lines Alphanumeric LCD ▪ 30 mm flat bottom test tube ▪ 0 to 1000 NTU ▪ Automatic Range Selection ▪ Higher Durability and long life ▪ Tested on quality parameters ▪ 1000 samples storage with Date & Time ▪ Measurement of Temp. And Turbidity ▪ Accessory Test tube (Set of 5)
7.	Autoclave	<ul style="list-style-type: none"> ▪ Total volume 43 Litre ▪ Effective Working Volume 35 Litre ▪ Operating Pressure: 15 psi/121°C ▪ CE (European standard for electrical safty) certified model ▪ Comes with preset automatic digital controller cum timer ▪ SS-304 doubled walled construction ▪ Spare gasket ▪ SS wire mesh carrier
8.	Hot air oven	<ul style="list-style-type: none"> ▪ Total Internal volume: 91 Litre ▪ Temperature range: 50-200°C ▪ Concealed stainless steel heaters ▪ PID controlled temperature with timer ▪ SS-304 wire mess trays ▪ Inside SS and outside MS eposxy coated ▪ Concealed SS handle ▪ Inner Dimm (WxDxH) 450X450X450 mm ▪ Ext. Dimension (WxDxH) 630x588x818 mm

For Financial Bid:

Sl. No.	Name of the Item/Equipment	Quantity
1.	Phase contrast microscope	01
2.	Stereo Zoom Binocular Microscope	02
3.	Refractometer (Moisture)	01
4.	Refractometer (Sugar)	01
5.	Computer with accessories	01
6.	Turbidity meter	01
7.	Autoclave	01
8.	Hot air oven	01