



UNIVERSITY OF AGRICULTURAL SCIENCES BENGALURU

Central Stores, Hebbal, Bengaluru-560024, Telefax: 080-23411524,
e-mail: uasstoresblr@gmail.com

Tender Notification No. SPO/04/2011-12,
Dated: 16-11-2011
(Through GOK e-Procurement Platform)

The University of Agricultural Sciences, Bengaluru has invited Tender as per the Standard tender document KG-1 from the reputed firms for the procurement of the following equipments. The details of the KG-1, Tender Notification, schedule, specifications, EMD amount are available in the website www.eproc.karnataka.gov.in

Sl. No	Name of the Equipments	Qty	Tender Processing Fees (Rs.)	Total EMD (Rs.)
1	Wooden Perforated Pallets (NSP, GKVK)	50 Nos.	550.00	3,000-00
2	PCR Machine (Plant Biotechnology, GKVK)	1 No.	550.00	1,657-00
3	Geographical Position System (GPS) (Agrometeorology, GKVK)	25 Nos.	550.00	5,000-00
4	Sterio Zoom Microscope (Entomology, GKVK)	1 No	550.00	9,750-00
5	Trinocular Bright Field Microscope with Accessories (Entomology, GKVK)	1 No	550.00	4,950-00
6	Low volume high efficiency Gradient Polymerase Chain Reaction (PCR) Machine (CP, GKVK)	1 No	550.00	4,250-00

The reputed firms are required to scan & upload the following documents through e-procurement portal only.

- 1) Firm Registration/Incorporation Certificate
- 2) TIN/VAT/CST/PAN/Import Export Code Certificate (IEC).

The KG-1 document may be downloaded from the website: www.eproc.karnataka.gov.in and the tenderers are required to fill in the tender rates in the price schedule and upload the same before the last date.

The EMD & Tender processing fee shall be paid through e-procurement portal only using any of the four modes.

- 1) Credit Card.
- 2) Direct debit using Internet banking
- 3) NEFT(National electronic fund transfer
- 4) OTC (Over the counter using axis bank challan).

SCHEDULE OF EVENTS

1	Last date for Receipt of Tender documents up to 4.00 P.M	16-12-11
2	Opening date of tender at 10.00 A.M at Estate Office, GKVK, Bengaluru-65	19-12-11

The University reserves the right to accept or reject any or all the tenders without assigning any reasons. Further, details can be had from undersigned during office hours and also refer UAS Website: www.uasbangalore.edu.in or www.eproc.karnataka.gov.in The Tenderers need to register with e-procurement portal and to obtain user ID and Password for participating in e-procurement. For more details please contact e-procurement helpdesk Ph: 080-25501216 / 25501227 from 9.00 a.m. to 9.00 p.m. on all working days and the Stores Purchase Officer, Central Stores, Opp: Hebbal Police Station, Hebbal, Bengaluru-560024, and Phone No. 080-23411524.

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SPECIFICATIONS

Tender Notification No. SPO/04/2011-12, Dt: 16-11-2011

Sl. No	Name of the Equipments/ Furniture	Qty	Specifications	Total EMD (Rs.)	Rates quoted by the Firm	
					In Fig	In words
1	Wooden Perforated Pallets (NSP, GKVK)	50 Nos	Supplying and installing the Wooden Perforated Pallets with the following Specification: (1)Length - 72 inches (6 ft) (2) Width - 30 inches (2 ½ Ft) Size of Wooden pieces (No. of wooden pieces required per pallet) a. Base Wooden pieces (3 pieces required per pallet) 2 ½ inches thickness x 6 inches width x 30 inches length b. Top Wooden pieces (8 pieces required per pallet) : 2 inches thickness x 2 inches width x 2 inches length The rate should be inclusive of all items. (Drawing attached)	3,000-00		
2	PCR Machine (Plant Biotechnology, GKVK)	1 No.	Supplying, Installation and Demonstration of PCR Machine with following Specification. Universal block for: 25 x 0.2 ml PCR Tubes 16 x 0.5 ml PCR Tubes One 5 x 5 microtiter plate Heating and cooling via peltier technology Temperature control range from 4 ^o C TO 99 ^o C Regulation accuracy per well: ± 0.2 ^o C Block Homogeneity: 20 ^o C to 72 ^o C: ≤ ± 0.4 ^o C 95 ^o C: ≤ ± 0.5 ^o C Temperature control speed approx. 3 ^o C/s (heating) Temperature control speed approx. 2 ^o C/s (cooling) Heated lid Maximum number of cycle 99 100 programs storage capacity One personal card for approximately 10 programs RS 232 interface Auto-restart option in event of power failures 230v/50-60Hz, TWO-YEAR WARRANTY The PCR machine should be installed and demonstrated.	1,657-00		
3	Geographical Position System (GPS) (Agrometeorology, GKVK)	25 Nos.	Supplying, Installation and demonstration of Geographical Position System (GPS) with following Specification a) GPS Receiver Characteristics • Receiver L1-C/A code SPS• Channels 16 (GPS+SBAS) or More• Antenna Built in patch• Touch Screen operation b) Sensitivity • Acquisition sensitivity -158 dBm • Tracking sensitivity -160 dBm c) General Features • Storage of 10000 waypoints minimum. • Storage of 100 routes minimum. • Storage and playback of track logs • Interface with windows based computers through high speed USB. Transfer of Waypoints / Routes / Tracks maps between PC and device • Support for import of database and mapping. • Co-ordinate systems: Geodetic, UTM/UPS,MGRS, Indian Grid Reference System (IGRS) and user defined co-ordinate systems d) Customization • There must be provision to upload the location specific weather data of the entire State	5,000-00		

			<p>e) Navigational features</p> <ul style="list-style-type: none"> • Supports raster and vector maps for navigation • Route & 'GOTO' Navigation • Horizontal Position, Altitude, Speed & heading, time • Electronic compass • Display of distance, Cross track error (XTE), Estimated Time of Arrival (ETA), Time To Go (TTG) and other navigational parameters • Visual indication and audio alarms for Off track and way point approach <p>f) Accuracy (RMS)</p> <ul style="list-style-type: none"> • Standalone Horizontal 5 m • GPS with SBAS 3 m • GPS with differential Corrections 2 m • Velocity Accuracy 0.1 m/s <p>g) Reacquisition</p> <ul style="list-style-type: none"> • Position 1second • Blockage time 3 minutes <p>h) Position Solution</p> <ul style="list-style-type: none"> • Mode 3D / 2D position and velocity • Data update rate 1 Hz <p>i) PC /Host Communication</p> <ul style="list-style-type: none"> • Interface: USB 1.2 serial interface for upload / download of data <p>j) Memory & Maps</p> <ul style="list-style-type: none"> • Internal RAM 2GB • SDIO2GB • Map format: ESRI Shape file, GeoTiff, User specified format with map loading application <p>The Agency should give Testing & Demonstration to the enduser. The rate should be inclusive of all items.</p>			
4	Sterio Zoom Microscope (Entomology, GKVK)	1 No	<p>Supplying, installation and demonstration of Sterio Zoom Microscope with following Specification.</p> <p>1. Zoom Ratio : Motorized Zoom Ratio of 20:1 or above with Apochromatic Stereo telescopic optics system and built in aperture diaphragm for increased depth range. It should have a controller with joy stick, key and touch screen for controlling the microscope functions like motorized zooming, motorized focus and control of intensity of cold light source of 24V 250W etc. It should also display the Real Time features of the observation like magnification, resolution, depth of the field and object field of the system. Specimen click stop feature should be available to prevent unnecessary damage of the objective or sample during observation.</p> <p>2. Magnification: 11.3x-225x using 1.5x and 10x eyepiece.</p> <p>3. Objective : Objective Plan Apochromat S 1.0X with working distance of 60 or higher.</p> <p>4. Eyepiece : Wide field paired eyepiece of 10x with F.No 23mm and diopter settings +/- 5</p> <p>5. Nosepiece : Triple revolving coded nosepiece should be quoted as option.</p> <p>6. Stand : Stand with motorized focus with stepsize 350nm and different selectable focus speed including transmitted light illumination for Bright field, Dark field and variable angle oblique illumination with cold light source of 24V 250W.</p> <p>7. Reflected Light source: Flicker free LU) ring light illumination with controller for light intensity and also thermo controller for shadow free illumination. Light segment control and rotation of illumination should be possible for obtaining variable oblique illumination. Storage of 4 illumination setting should be possible.</p> <p>8. Total cost should include freight, taxes, transportation, installation and demonstration.</p>	9,750-00		

5	Trinocular Bright Field Microscope with Accessories (Entomology, GKVK)	1 No	<p>Supplying, Installation & Demonstration of Trinocular Bright Field Microscope with Accessories with following Specification.</p> <ol style="list-style-type: none"> 1. Optical system : CFI optical system 2. Magnification : 40-1500x 3. Illumination : 6V-20W halogen lamp, FL (field lens) unit, lamp changeable built in transformer for 12V 100W lamp house 4. Coarse & fine focusing: Coaxial coarse/fine focusing with cross roller guide incorporated, 22mm coarse/fine focusing range, Coarse Motion: 37.7mm/rotation, Fine Rotation 0.2mm/rotation with 2mm scale increments Coarse motion torque adjustable 5. Eyepiece tube : Trinocular tube F (2-way, inclination: 30°, 360° rotatable Siedentopf-type, interpupillary distance: 47-75mm) 6. Eyepiece lens : CFI 10x (F.O.V. 18mm), CFI E15x (F.O.V. 12mm) 7. Condenser : Abbe condenser. NA 1.25 (aperture diaphragm with position guide marking for respective objectives), 33mm- diameter filters attachable (including standard blue filter) 8. Nosepiece : Sextuple click-stop, antimould, analyser slot: revolving mechanism with multiple ball bearings, elastic nosepiece grip-ring 9. Dedicated objectives: CFI Plan Achromat 4x (NA 0.1/W.D. 30mm), 10x (NA 0.25/W.D. 7mm), 20x (NA 0.4/W.D. 3.7mm), 40x (NA 0.65/W.D. 0.6mm), 60x (NA 0.8/W.D. 0.24mm), 100x (NA 1.25/W.D. 0.14mm), Oil immersion 10. Stage : Double-plate rectangular mechanical stage, stage size:155x134mm, removable slide holder, travel area: 76x40mm vernier provided 11. Substage : Adjustable vertical condenser movement range: 10mm 12. Camera : Digital camera with accessories <p>Inclusive of taxes, installation and demonstration</p>	4,950-00		
6	Low volume high efficiency Gradient Polymerase Chain Reaction (PCR) Machine (CP, GKVK)	1 No	<p>Supplying, Installation & Demonstration of Low volume high efficiency Gradient Polymerase Chain Reaction (PCR) Machine with following Specification.</p> <ul style="list-style-type: none"> • Block for 96x 0.2 ml and 1xPCR Plate (8x12) — unskirted /semi-skirted and full skirted PCR plate • Authorized system for PCR applications • Sample working volume ~10ul or less • Innovative lid system • Sealed Gel to reduce evaporation • Temperature control of block -4-99 deg C • Temperature control mode -Fast, standard safe — all in Gradient mode • Gradient Block — Over 12 Columns • Gradient selectable from 1 deg C to 20 deg C across the entire temp. control range • Gradient should be capable of running at the specified ramping rates. • Block Homogeneity (20 -72 deg C) - <0.3 deg C • Block Homogeneity (95 deg C) - <0.4 deg C • Control Accuracy - 0.2 deg C • Heating rate -4 deg C or higher • Cooling rate -3 deg C or higher • Intuitive graphic programming • Ability to store methods on external card for safety and multiple user capability • System should be CE and ISO certified • Calibration according to NIST,DKD,UKAS standards • Should be RoHS compliant • Validation and calibration facility should be available in the system • Auto restart option in event of Power failures • Display to indicate cyclor number in a network • Upgradable to real-time PCR • Optional self-test of peltier elements • RS 232 and printer interface • Two years warranty 	4,250-00		

UNIVERSITY OF AGRICULTURAL SCIENCES

CENTRAL STORES, HEBBAL, BENGALURU-560024

No. SPO/04/2011-12, Dated: 16-11-2011

TERMS AND CONDITIONS

Tenders are invited for the Supply, the Lab. Equipments required for the University of Agricultural Sciences, Bengaluru, from the reputed manufacturers/dealers/ suppliers. The interested suppliers are requested to participate through online only. The website address is www.eproc.karnataka.gov.in The details of the Schedule, specifications and the EMD amount are available in the above website & also in the University website: www.uasbangalore.edu.in

The Intending Tenderers should have to participate through procurement portal only. The tenderers are required to go through the KG-1 which is published in the website: www.eproc.karnataka.gov.in They are required to quote the price in the price schedule, the additional documents are also to be uploaded.

The rates quoted for each of the specified equipment in the schedule should be inclusive of Taxes, (Percentage of Tax should be indicated separately) all other charges and FOR Destination, free delivery at the concerned department /colleges. The correct percentages of Sales Tax /VAT should be noted to compare the rates with that of others and rates once specified in the schedule cannot be at any time altered and if so, it will not be accepted. The quantity of each item is only approximate and the same may be increased or decreased according to the necessity. In case of Local equipments the price bid have to be quoted in Indian Currency & in case of imported equipments the price may be quoted in foreign currency.

Tenders without the EMD will be rejected. (Note: Cash/Cheque will not be considered)

Tender will remain valid for 90 days (From the date of Opening). The Contractor/Supplier submitting a tender and depositing the Earnest Money shall be deemed to have undertaken to keep the tender open for acceptance for the full period of 90 days and will not have the any right to withdraw the same before the expiry of the said date. If the University requires extension of validity, the supplier may have to agree for it. Successful Tenderer should deposit a sum equal to 5% of the total value of the purchase order as Security Deposit, in addition to the Earnest Money Deposit.

This Security Deposit is to be furnished in the form of the Bank Guarantee drawn in favour of the Comptroller, UAS, Bengaluru-65 within 10 days of the receipt of the Purchase Order as per the format (Section XI of KG-1). In case of Imported equipments the Security Deposit & contract form should be furnished before sending the Wire Transfer. The Security Deposit will be returned after the expiry of the Guarantee period along with the EMD. No payment will be made in advance or part through Bank in respect of the Supplies of the Local Items (Non Imported).

Only in case of Imported equipments, Wire transfer will be made through our Bank in favour of the successful Tenderer or Demand Draft will be sent to the Principal in case of advance payment after obtaining the Order Confirmation-cum-Proforma Invoice from the Supplier.

The successful Tenderer shall execute an Contract Form within 10 days from the date of receipt of Purchase Order on a Stamp Paper of Rs. 200/- agreeing to the conditions of supply. **FORMAT OF THE CONTRACT FORM IS ALSO PUBLISHED IN THE WEBSITE.** If the equipments/items supplied are not according to the specification, the supply order will be cancelled and the supplies will be rejected and intimation of rejection will be sent, such rejected items should be taken back by the firm at their cost and the firm will be black listed.

Liquidated Damages:

If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 18 of KG-1

The EMD and security Deposit are liable to be forfeited as liquidated damages in the event of any evasion, refusal or delay on his/her part in signing the contract form. The other Terms & Conditions are as stipulated in KG-1

The UAS/B does not bind itself to accept the lowest bidder and this University reserves the right to accept or reject any of the Tender or all the Tenders without assigning the reasons. Non Compliance by the Tenderer to any of these conditions will entitle for forfeiture of Security Deposit and Earnest Money Deposit. In case of any dispute arising out of this contract, the decision of the Estate Officer is final and binding on the Tenderer. Conditions of this Tender shall carefully be studied by the Tenderer before filling the Tender rates. No claim shall be entertained afterwards. The Court at Bengaluru will have jurisdiction to entertain any case arising out of this tender. Excise duty/Customs Duty is exempted. Exemption Certificates will be issued wherever necessary.

OFFICER

ESTATE

**FORMAT FOR CONTRACT FORM
(TO BE FURNISHED ON A STAMP PAPER OF Rs. 200.00)**

SECTION X: CONTRACT FORM

THIS AGREEMENT made theday of....., 20... Between the Estate Officer, UAS, GKVK, Bengaluru-65 (Name of purchaser) of Bengaluru, India (Country of Purchaser) (hereinafter called "the Purchaser") of the one part and (Name of Supplier) of (City and Country of Supplier) (hereinafter called "the Supplier") of the other part :

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz., (Brief Description of Goods and Services) and has accepted a tender by the Supplier for the supply of those goods and services in the sum of (Contract Price in Words and Figures) (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Tender Form and the Price Schedule submitted by the Tenderer;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Purchaser's Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the goods and services which shall be supplied/provided by the Supplier are as under:

SL. NO.	BRIEF DESCRIPTION OF GOODS & SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS

TOTAL VALUE:

DELIVERY SCHEDULE:

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IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the said
(For the Purchaser) in the presence of:.....

Signed, Sealed and Delivered by the
said (For the Supplier) in the presence
of:.....

NOTE: This Contract Form should be filled in complete Form and should be submitted with in 10 days
from the receipt of the Purchase Order along with Bank Guarantee.

SECTION XI

FORMAT OF PERFORMANCE SECURITY FORM (BANK GUARANTEE)

To:

The Comptroller,
UAS, GKVK, Bengaluru-65.

WHEREAS (Name of Supplier) herein after called "the Supplier" has undertaken , in pursuance of Contract No..... dated,..... 20.... to supply.....
.....(Description of Goods and Services) hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of
..... (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until theday of.....20.....

Signature and Seal of Guarantors

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Date.....20....

Address:.....

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