

**TENDER FORM  
FOR  
INSTRUMENTS / EQUIPMENTS REQUIRED  
FOR  
DEPARTMENT OF AGRICULTURAL BIOTECHNOLOGY  
AND OTHER UNITS OF AAU**

Last date for online commercial tender submission  
**19-03-2015 before 5:00 pm**

Period for physical submission of Technical bid / tender  
**Between 20-03-2015 and 24-03-2015 before 5:00 pm**

Date of tender opening: **25-03-2015**



**DEPARTMENT OF AGRICULTURAL BIOTECHNOLOGY  
ANAND AGRICULTURAL UNIVERSITY  
ANAND – 388 110 (GUJARAT)  
TEL. / FAX NO.: 02692 261134  
E-MAIL: biotech.aau@gmail.com**

➤ **Name of vendor / supplier / firm:**

➤ **Complete Postal address :**

➤ **Telephone Number :**

➤ **Fax Number :**

➤ **E-mail address :**

➤ **Details of the Tender Fee :**

- DD number :
- Amount :
- Date :

➤ **Details of EMD:**

- DD number:
- Amount:
- Date:

➤ **Sales Tax No.:**

➤ **Registration No.:**

➤ **Any other details:**

**We agree to abide by the terms and conditions of supply mentioned in this tender document.**

**Signature of Tenderer  
(with stamp, Name & Designation)**

The Unit Officer, Dept. of Agricultural Biotechnology, AAU, Anand invites tender through e-procurement portal for the purchase of following scientific instruments, equipments & softwares with given specifications, terms and conditions.

Sr. No.	Name of the Instrument	Specifications	EMD (in Rs. Lakh)
1.	<b>Phosphoimager</b>	<ol style="list-style-type: none"> <li>1. Fully integrated sensitive molecular imager system (<b>only fluorescent scanner, without radioisotope imager</b>) for scanning, detection and immediate quantitation of proteins and other biological molecules based on fluorescence and colorimetric analysis.</li> <li>2. Scan resolution 50, 100, 200, 800 µm;</li> <li>3. Bit depth: 16-bit</li> <li>4. Dynamic range – in the order of five</li> <li>5. Excitation: Minimum three different excitation wavelengths with optional external laser module</li> <li>6. The system should accommodate computer controlled emission filters for attaining optimal imaging conditions.</li> <li>7. Must accommodate samples up to 35 cm x 40 cm</li> <li>8. Should detect most fluorescent dyes or labels, including ethidium bromide, Radiant® Red, SYBR® Green, SYPRO® dyes, Cy® dyes, fluorescein, Rhodamine, many more.</li> <li>9. Compatible with most available chemiluminescent substrates.</li> <li>10. All the images generated by the facility should be analyzed using a powerful and sophisticated analysis software</li> <li>11. PC system from reputed brand with Intel® 3rd Generation Core™ i7 Processor (6 MB cache, 4 cores, 3.1GHz) Intel® B75 Chipset, 3.0 TB HDD, 8.0GB (4 + 4) DDR3 RAM 1333MHz, SATA Super Multi DVD writer, 6 USB 2.0 for analysis and storage of images should be provided</li> <li>12. The price quoted should be inclusive of all accessories and softwares.</li> </ol>	<b>1.26</b>
2.	<b>-80 °C DEEP FREEZE</b>	<ol style="list-style-type: none"> <li>1. Should be a high-performance, ultra-low temperature laboratory freezer to provide a stable, low temperature environment for storage of biological specimens.</li> <li>2. Should be an upright (vertical cabinet like) model with a storage capacity of 500 to 750 litres.</li> <li>3. Storage space should be divided into 3 to 5 compartments with individual insulated inner doors.</li> <li>4. Should have a temperature range of -50 °C to -85 °C (user adjustable in 1°C increments).</li> <li>5. Temperature homogeneity between top and bottom shelves should be maintained ± 1°C; 1 to 2 °C of set temperature.</li> <li>6. Should have rust-proof stainless steel interior.</li> <li>7. Exterior should be of rugged steel with rust-proof paint.</li> <li>8. The door should have gasket sufficient to prevent loss of</li> </ol>	<b>0.30</b>

		<p>cooling in the event of power failure.</p> <p>9. Should have an outer door latch that is lockable</p> <p>10. Should have lockable caster wheels</p> <p>11. Should have a digital display of interior temperature.</p> <p>12. Should have automatic defrost and condensate removal feature.</p> <p>13. Should have heavy-duty, industrial-grade, hermetically-sealed low noise compressor.</p> <p>14. Microprocessors controlled with digital display (LED/LCD) of all functions and digital setting and preset temperature and system should be 100% CFC/HCF free refrigerants.</p> <p>15. System should be supplied with CO<sub>2</sub> back-up.</p> <p>16. Should have alarm function for power failure, door-open, and other equipment malfunction.</p> <p>17. Should run on 220-240V AC/50Hz power source. Should have battery backup for alarm and display.</p> <p>18. Three years warranty.</p> <p>19. Should be supplied with two hours UPS backups with battery and stand.</p> <p>20. Should be supplied with removable stainless steel storage racks to populate the wide storage space.</p> <p>21. Should be supplied with three pairs of mid-arm cryogloves.</p>	
3.	<b>Label Printer/ Line matrix printer</b>	<p>1. <b>Model- Open Pedestal</b></p> <p>2. Print Speed (LPM)-(should not more than given specifications)</p> <p>High speed - 500/428</p> <p>DP (data processing) - 375/300</p> <p>NLQ (near letter quality) - 200/154</p> <p>3. Printing Technology- Line matrix impact printer, 136 Columns</p> <p>4. Character pitch (Character per inch) - 5, 6, 6.7, 7.5, 8.3, 8.6, 10, 12, 13.3, 15, 16.67, 17.14, 20</p> <p>5. Line Pitch (LPI) - 1.5, 2, 3, 5, 6, 8, 9, 10, 12</p> <p>6. Paper handling- Straight paper path with easy load adjustable tractors, paper out detection and alarm , paper motion detection and alarm</p> <p>7. Fonts- Draft, data processing, Courier, Gothic, OCR A, OCR B</p> <p>8. Character style- Bold , italic, underline, superscript, overline, strike through</p> <p>9. Graphics Resolution - 240 dpi Horizontal X 288 dpi vertical, Dot Size: 16.7 mil</p> <p>10. Interfaces - IEEE 1284 Parallel , Centronics parallel , RS-232 serial, Ethernet, Standard USB 2.0</p> <p>11. Paper type - continuous, Fan folded, Edge-perforated, 3 to 17 inches (7.62 to 43.18 cm) wide, 2 to 12 inches (5.08 to 30.48 cm) long</p> <p>12. Plug and print Compatibility</p>	0.10
4.	<b>Biomass Briquetting &amp; Gasifier System</b>	<p>It should consist of the following and quote single rate for both the items (inclusive of all taxes).</p> <p><b>Biomass briquetting machine</b> of nominal rated capacity of 100-225 kg/h for dry and powdery biomass complete with the Crank type reciprocating, Briquetting press of 16 T capacity</p>	0.45

		<p>complete with flywheels, punch and internal lubrication piping, Die system including die holder, clamps, one set of dies and feeder box, Biomass vertical feed hopper, lubrication system complete with oil pump, oil filter and transfer oil piping. It should produce briquettes of 35 mm diameter. Complete with all electrical motors, connections, piping etc. Price should include all erection, testing, and commissioning charges of the machine, VAT taxes and FOR AAU, Anand.</p> <p><b>Biomass Gasifier:</b> A downdraft gasifier coupled with engine &amp; generator set to produce 5 kW power at rated producer gas flow rate 20-25 Nm<sup>3</sup> /h, rated thermal output 24000-25000 kcal/h for woody biomass consumption rate around 8-10 kg with continuous ash removal facility, water seal, gas cooling venture scrubber/promisor with water recirculation. The gasifier reactor should complete with automated ash auger, platform &amp; ladder for fuel feeding access, cyclone separator, gas cooling filter unit with cooling fan, water storage tank with water pump &amp; water connections, moisture trap, interconnecting gas pipes, condensate water collector, electrical startup blower, valves for gas flow control, filter media and all other necessary accessories and should be skid mounted.</p> <p>The system should include all taxes, transportation charges, supervision of installation, erection, testing and commissioning charges, complete in all aspects and FOR at our College site.</p>	
5.	Gas flow meter	<p>Gas sampling is to be done from Controlled Atmosphere chambers containing small quantity of fruits/vegetables. Sampling of the gas evolved during respiration of these commodities is to be performed at one hour interval. Ten such chambers (each of size 300 x 300 x600 mm) are arranged together.</p> <p><b>Gas Switcher/ Multiplexer :</b></p> <p>Gas from each chamber enters the Gas Switcher / multiplexer (10 channel) that selects one of the channels for analysis, and vents the others to the atmosphere. Alternatively, the gas flow through the non-selected channels may be stopped, sealing that channel. A Stop Flow Mode may also be incorporated wherein the switcher seals the sample chambers for a user-defined period. The chamber is then flushed sequentially for gas analysis to provide time-integrated measurements of gas exchange rates. The switcher may also be provided with an on-board micro for use without a separate computer.</p> <p>The flow in each channel being controlled by needle valves and measured by separate mass flow monitor. Gas Flow Controllers may be provided to control the flow into the multiplexer. Gas enters the measuring chamber which may or may not be temperature controlled. A sensor interphase for connecting the gas multiplexer with the CO<sub>2</sub> / O<sub>2</sub> sensor may be provided.</p> <p>Plumbing the system for either mode should be fast and easy. The gas switcher/ multiplexer can also to be used in conjunction with any gas exchange system and/or data acquisition software and datalogger (eg. DatatakerDatalogger DT85).</p> <p><b>Channels:</b> Ten; two valves per channel  <b>Sampling Time:</b> User defined and adjustable  <b>Flow Rate (to/from chambers) Range:</b>0 – 500 ml/min (user adjustable) recommended; commonly used at 150 – 200 ml/min, push or pull mode</p>	0.15

		<p><b>Operation:</b> Stop flow or flow-through compatible</p> <p><b>Automation:</b> Can switch between inputs unattended, in any sequence, for selectable durations, in single-shot or looping mode</p> <p><b>Operating Temperature and Humidity:</b> -5 to 45 °C, relative humidity non-condensing</p> <p><b>Display:</b> Digital 2 x 16 alphanumeric LCD</p> <p><b>Response time:</b> &lt; 50 milliseconds for complete valve changeover</p> <p><b>Connections:</b> Nickel plated barb fittings flexible or semi-rigid tubing</p> <p><b>Weatherproof Rating</b> Tested to IEC IP55 standard</p> <p>The system should be complete with all accessories.</p>	
6.	<b>Water Activity Meter</b>	<p>A portable precision equipment for measurement of <math>a_w</math> values (water activity) in all kind of fresh and processed food stuffs and have following specifications:</p> <ul style="list-style-type: none"> <li>❖ Standardized sample volume</li> <li>❖ Measuring Principle: NTC</li> <li>❖ Checking, testing and adjusting possibilities ( SAL-T humidity standard)</li> <li>❖ Measuring Range: 0.0 to 1.0 <math>a_w</math>/ 15-30 Deg.C (59-86 Deg.F)</li> <li>❖ Accuracy: <math>\pm 0.03 a_w</math>/ <math>\pm 0.15 ^\circ K</math></li> <li>❖ Range: 0.20-0.80 <math>a_w</math>/ 0 to +50 Deg.C</li> <li>❖ Factory calibration at 2<math>a_w</math> value points</li> <li>❖ Resolution: <math>\pm 0.01 a_w</math></li> <li>❖ Relative Humidity : 0 -90% RH Non condensing</li> <li>❖ Power supply: 90- 264 VAC 50/60 -Output -&gt;5 VDC</li> <li>❖ Display: Reflective, High contrast LCD - display, dimensions: 35x69mm</li> <li>❖ Operating: 3 multi-function keys including On/Off</li> <li>❖ Mains supply: 5VDC <math>\pm 6\%</math> max power requirement: 4 W</li> <li>❖ Display: Large and clear LC Display</li> <li>❖ RS232 port (optional)</li> </ul> <p>Instrument should be complete in itself and delivered with proper sturdy carrying case with other accessories like sample cups and lid etc.</p>	<b>0.15</b>
7.	<b>DNA Extractor</b>	<ol style="list-style-type: none"> <li>1. The System should be of the latest Magnetic Bead based/spin column Technological fully automated system ideal for plant DNA/RNA extraction.</li> <li>2. Should be able to process 16 Samples per batch with minimum ability to run even 1 Sample per batch providing flexible design to avoid wastages.</li> <li>3. The sample volume should be 200/400/1200ul with Elution Volume of 60/100/150/200ul.</li> <li>4. Must be able to deliver a purity of O.D.A 260/280 ratio of <math>1.8 \pm 0.1</math> for DNA and <math>1.8 \pm 0.1</math> for RNA.</li> <li>5. The System components should consist of Pipetting unit, dispensing, transferring, X-Y two axis movements with a PLC module, arm based system and should be supplied with T-Racks, Cartridge racks along with the equipment.</li> <li>6. Should have an in-built 8W UV Light with a life duration of minimum 11000 hours.</li> <li>7. The system should have an integrated Heating Block with a range of RT – 80° C</li> </ol>	<b>0.60</b>

		<p>8. The system should have a 3" Touch Screen Panel.</p> <p>9. The system must be able to run rapid resulted programs in about 30 mins for DNA purification.</p> <p>10. The system must have inbuilt pre-programmed protocols to choose different applications with a broad sample range varying from viral nucleic acids, tissue , plant cells etc./</p> <p>11. Should be having a heating well and separation well in the cartridge providing strong circulation force for binding/washing steps before giving the final elution and having auto locking facility.</p> <p>12. Adequate Magnetic bead kit for Plant DNA purification should be supplied along with the equipment to run for 100 preparations.</p> <p>13. Should have the alarms both audio and visual along with emergency stop feature.</p> <p>14. The system should have an inbuilt USB interface to enable user to save test reports in excel format by a USB Flash drive.</p> <p>15. Power supply conditions should be to suit the Indian Electrical conditions.</p> <p><b>Note: The instrument having different sample size per batch up to 96 samples per batch may also be quoted.</b></p>	
8.	<b>Denaturing Gradient Gel Electrophoresis with accessories</b>	<p><b>A. DGGE System :</b></p> <p>1. The system should be able to run DGGE, should be capable of running up to two gels.</p> <p>2. System tank should be injection moulded to ensure leak proof buffer container.</p> <p>3. Should have inbuilt temperature controller.</p> <p>4. Plate dimensions should be 20X20cm. Gel dimensions should be 16X17.5cm.</p> <p>5. The system should include 1mm thick bonded spacers and include 2x1mm 24 sample combs with 40µl sample capacity.</p> <p>6. System should have options for 0.75, 1.5 and 2mm thick combs and spacers.</p> <p>7. Buffer volume should not exceed 8500ml.</p> <p>8. The system should have gold plated corrosion resistant electrodes with pure platinum wires.</p> <p>9. System should have same casting and running assembly and include casting assembly for leak proof gel loading.</p> <p>10. Plates should be 4mm thick.</p> <p>11. Combs should have inbuilt sample loading guides with spacers being color coded.</p> <p>12. Should have option for multichannel compatible combs.</p> <p>13. Four screws- novel vertical screw-clamp technology which distribute pressure evenly.</p> <p>14. The inner running module should have wave design for easy handling.</p> <p>15. Vertical screw-pins colour coded to prevent polarity reversal, push gel clamps out of the resting slots to secure glass plates firmly within the PAGE insert.</p> <p>16. Should have options for widest selection of combs that allows separation of up to 96 samples.</p> <p><b>B. Temperature Controller</b></p> <p>1. Temperature controller unit should be inbuilt to electrophoresis unit.</p> <p>2. It should have the latest PID control.</p> <p>3. Should be a microprocessor controller unit.</p>	<b>0.18</b>

		<ol style="list-style-type: none"> <li>4. Operating temperature control range should be ambient to 100°C.</li> <li>5. Working temperature range for DGGE should be 45-70°C.</li> <li>6. Should have stirrer for buffer recirculation.</li> <li>7. Temperature uniformity should be <math>\pm 0.05^{\circ}\text{C}</math> and stability at 37°C should be <math>\pm 0.02^{\circ}\text{C}</math>.</li> <li>8. Should have 4 digit 16mm LED display.</li> <li>9. Display resolution setting should be 0.1°C.</li> <li>10. The controller should have fluid level float switch for safety.</li> <li>11. It should be IEC1010/CE compliance.</li> <li>12. Should have 3 stored preset temperature values.</li> <li>13. Heater power should be 1.4kW at 230V.</li> <li>14. Electrical power should be 1.5kW (50-60Hz) at 230V.</li> </ol> <p><b>C. Software</b></p> <ol style="list-style-type: none"> <li>1. Should have three Software options: Pre-Electrophoresis : Predicts melting behavior of the DNA and primer placement and GC Clamping</li> <li>2. Post Electrophoresis: Band Pattern Matching Following Parallel DGGE in a Single Gel</li> <li>3. Should be used for primarily for band-pattern matching within individual DGGE, SSCP and RFLP gels.</li> <li>4. Should have a powerful band matching feature, which is flexible and easy to use, while visual tools show the results of matching and identify similarities within an individual gel, including lane clustering via dendrograms.</li> <li>5. Automatic detection of lanes and bands and background subtraction</li> <li>6. Image manipulation tools and Lane templates</li> <li>7. Analysis protocols for batch processing</li> <li>8. Molecular weight calibration , Quantity calibration &amp; normalisation</li> <li>9. Profile deconvolution, Rf calibration</li> <li>10. Band picking &amp; Band pattern matching –single gel and lanes across multiple gels</li> <li>11. Dendrogram-single Gel and lanes for multiple gels</li> <li>12. Array analysis module &amp; Colony counting module</li> <li>13. Toolbox for general analysis</li> <li>14. Data archive and Search facility</li> <li>15. Classification and identification tool</li> </ol>	
9.	<b>Tissue Lyser along with accessories</b>	<ol style="list-style-type: none"> <li>1. The system should offer processing of a wide variety of samples, including animal and plant tissues, hard tissues like bones, which can be used to disrupted samples to release high-quality DNA, RNA and protein for subsequent purification and analysis.</li> <li>2. Should offer fast simultaneous disruption of up to 48 or 192 samples in a minute through high-speed shaking with tungsten heads which heat and grind samples.</li> <li>3. Processing of up to 2x 96 samples should take as little as 2-4 minutes.</li> <li>4. Should have provision of effective disruption and homogenization using liquid nitrogen or in frozen condition. Reproducible results with difficult-to-lyse tissues such as barks, seeds, bones, teeth, etc.</li> <li>5. Should have provision for complete isolation &amp; sealing of</li> </ol>	<b>0.15</b>



		<p>samples while processing so that there is no chance of cross contamination.</p> <ol style="list-style-type: none"> <li>Should be able to disrupt multiple biological samples through high-speed shaking in plastic tubes with steel tungsten carbide or glass beads.</li> <li>Offer should include adapters: <ul style="list-style-type: none"> <li>Two sets of Steel (2 x 10 ml) adapters with compatible Tungsten Carbide Beads,</li> <li>One Adapter set for disruption of up to 48 samples in 2 ml micro centrifuge tubes along with compatible Stainless Steel Beads.</li> <li>Adapters and grinding beads for higher throughput should be included as additional accessories</li> </ul> </li> <li>Grinding jar/ adapters can be used to process large samples and should be autoclavable.</li> <li>System should have the Digital settings and control of disruption time (10 seconds – 99 minutes) and vibration frequency (3–30 Hz)</li> <li>The Vendor should have a good service and application support back up to provide an effective application related troubleshooting and support.</li> <li>Should be imported &amp; vendor should provide the proper supporting documents.</li> </ol>	
10.	<b>Cryopreservation machine (Ln2) (Ultra Low Temperature Deep freezer with Ln2 Back Up)</b>	<ol style="list-style-type: none"> <li>Capacity : 368,-Upright</li> <li>External: Single External doors</li> <li>Internal: Four separate door (internal four compartment)</li> <li>Upright -86 ultra low freezers – Exterior Single door-interior four door</li> <li>Battery backup for display</li> <li>Microprocessor control</li> <li>Centralize-eye level information system</li> <li>Temperature range: -50 to -86 degree Centigrade</li> <li>Display: Push Button LED</li> <li>Key lock require</li> <li>Pad lock compatible</li> <li>(2) 1 horsepower compressors</li> <li>ergonomic latch and handle for one hand operation</li> <li>Interior: Painted glaveneel interior with four Inner doors.</li> <li>Exterior: Cold rolled steel cabinets with a powder coat paint finish</li> <li>Adjustable solid Stainless Steel shelves</li> <li>Triple point door gasket</li> <li>5" foamed-in-place polyurethane insulation;</li> <li>Heavy-duty 2" dual easy roll locking casters.</li> <li>Automatic voltage compensator responds to <u>high and low voltages</u></li> <li><u>Two 1" access port</u></li> <li>Front to back airflow with Removable, cleanable air filter</li> <li>A vacuum relief port</li> <li>Alarm; audible and visible : Power failure, High temperature, Low temperature, Probe failure, door open, High stage failure, low battery, hot condenser, wrong power</li> <li>Should be supplied with Ln2 backup system and Ln2 cylinder-180 Ltr capacity</li> </ol> <p><b>Temperature control</b></p> <ol style="list-style-type: none"> <li>The microprocessor controller must monitor in one degree C increments, with digital display.</li> </ol>	0.24

		2. Battery back-up for the alarm monitoring system 3. Dry contacts included for connection to optional remote alarms. 4. Monitoring output: RS-485, 4-20Ma, Dry Contacts,	
11.	<b>Nano /Pico drop with accessories</b>	1. The machine should be applicable for the quantification of Nucleic acid, protein, cell culture and custom methods 2. The minimum sample volume should be 0.5µl. 3. The machine should have the wavelength range from 190-840nm. 4. Measurement Data Output : OD260nm/OD230nm, and OD260nm/OD280nm 5. The wavelength accuracy should be 1nm. 6. The lower limit of detection of dsDNA sample should be 2ng/µl. 7. The measurement time should be less than 5 sec. 8. The machine must have drop-and-clean action. 9. Data Output Interface: Liquid crystal display or The computer/laptop system require for machine should have microsoft Windows XP (32-bit) w/Service Pack (SP) 2 or later, Vista (32-bit), Windows 7 and Windows 8 (32- and 64-bit). 10. Light Source should have Xenon flash lamp 11. Adaptor should be provided as per the machine compatibility. 12. The machine should have the absorption range from 0-300 Abs. 13. The voltage requirement for the machine should be 12V DC.	<b>0.15</b>
12.	<b>Extruder</b>	<b>Laboratory scale twin screw extruder (pilot plant)</b> for the manufacture of <b>ready to eat puffed snacks/foods</b> , designed for teaching, R&D and product development to process food materials like Maize, Rice, Wheat and Milk Products like Milk powders, Khoa, Casein, WPC etc., which can be extrudable without abrasive materials, either as constituents or as contaminants. The equipment should have following features. 1. Nominal rated capacity of <b>5-10 kg per hour</b> (depending upon nature of feed materials and quality of products desired) 2. <b>Hopper and Feeder</b> assembly with <b>variable speed drive</b> which can be monitored from RPM meter. 3. Barrel fabricated from AISI 316 grade S.S. with water jackets. 4. Band Heaters in 3 sections with appropriate watt density to get temperature in the range of 150 – 350°C with proper insulation with necessary controls to operate each section individually. 5. Extruder Screws of the machine fabricated from Nitriding Steel/suitable food grade material suitable for ready to eat puffed products. 6. Should have at least 3 feeding ports for addition of different ingredients like flavor, colour, water, oil etc. with proper dosing assembly. 7. <b>Drive – Suitable drive with reduction gear</b> driven by AC drive i.e. frequency converter to control rpm, with safety device. 8. Sanitary design and arrangement suitable for easy cleaning and sanitization of the machine along with rodent proof features. 9. Die Plate assembly with round dies of different diameter	<b>0.21</b>

		(3 to 9 mm), one no. flat die and one no. pipe die. / expanding die for Collet type product 10. <b>Stainless steel cutter</b> , driven by <b>variable speed motor and safety device</b> . 11. Temperature Controller-Indicator with sensor for Band Heaters and Electronic Temperature Indicator with sensor for mass temperature. 12. RPM meters for monitoring the RPM of Main Drive, Feeder & Cutter. 13. Panel mounted Ammeter, Voltmeter, Push-button Switches, Indicating Lamps, indicators, etc. 14. Chassis fabricated from S.S	
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**Terms & conditions:**

- i. E-tendering procedure of two bid system i.e. financial and technical has to be followed for quoting the rates / bidding for items.
- ii. **This tender document / form may be procured / downloaded from (n)Code Solutions website [www.nprocure.com](http://www.nprocure.com) from 27-02-2015 upto 19-03-2015, 5:00pm.**
- iii. The commercial bid / quotation rates / bidding rates for these instruments has to be uploaded / submitted through [<www.nprocure.com>](http://www.nprocure.com) **on or before 19 March, 2015.**
- iv. **The price quoted should be inclusive of all kinds of taxes and other charges FOR Anand and should be valid upto 31<sup>st</sup> August, 2015.**
- v. If the rates are quoted in foreign currency, for conversion in INR exchange rate available on RBI's website on the date of opening of commercial bid of the tender shall be considered.
- vi. No change, addition, alteration in the tender rates on omission / misunderstanding / mistake or any other reasons would be permitted.
- vii. The University is authorized for exemption in Custom Duty and accordingly the custom duty exemption certificate will be provided by the University to successful bidder.
- viii. The total cost must be inclusive of all intended accessories.
- ix. **The hard copy of the technical bid and all other documents / information except price bid has to be submitted between 20<sup>th</sup> March, 2015 to 24<sup>th</sup> March, 2015 upto 05:00 p.m. in sealed cover superscripted "Technical Bid for \_\_\_\_\_" to "The Unit Officer, Dept. of Agricultural Biotechnology, Anand Agricultural University, Anand – 388 110", by Registered Post /Speed post only. The technical bid/documents sent through courier will not be accepted.**
- x. The technical bid should be accompanied with Demand Draft (DD) of **Rs. 1,000/-** as tender fee (**non-refundable**) issued by any Nationalized Bank or Private sector banks authorized by RBI to undertake State Government Business (AXIS Bank, ICICI Bank, IDBI Bank and HDFC Bank) in the favour of "Anand Agricultural University Fund Account" payable at Anand.
- xi. EMD amount may be paid through either DD or Bank Guarantee of any Nationalized Bank or Private sector banks authorized by RBI to undertake State Government Business (AXIS Bank, ICICI Bank, IDBI Bank and HDFC Bank) in the favour of "Anand Agricultural University Fund Account" payable at Anand..
- xii. **DD of Tender Fee and DD/ Bank Guarantee of EMD has to be scanned and submitted online. The original DD has to be submitted along-with the technical**

bid to “The Unit Officer, Dept. of Agricultural Biotechnology, Anand Agricultural University, Anand – 388 110”.

- xiii. Earnest Money Deposit (EMD) for the tender will be refunded after the deal is finalized. However the same will be refunded to the successful bidder only after satisfactory installation and testing of the instrument.
- xiv. Those quotations will not be considered for financial bid opening which does not conform to the details of above given specifications for a particular instrument and terms and conditions.
- xv. **Bidder should give specification compliance statement point wise showing / highlighting items part no., serial no. as quoted in their quotation for comprehensive technical comparison. Proof of compliance should be mentioned point wise in the catalogue. Failing in compliance and proof of compliance will cause cancellation of the bid without any further notice.**
- xvi. The vendor should invariably sign the quotation, general terms and conditions and must be submitted in original.
- xvii. A suitable desktop computer / laptop with a desirable storage capacity and speed if required, for successful operation of instrument and storage of data and analysis with required full licensed version software has to be supplied by the bidder with the instrument.
- xviii. As far as possible the technical literature should be furnished along with the quotation.
- xix. If any query to the quotation is raised, a written reply must reach this department within ten days of dispatch of our letter / email or as suggested, else the quotation will be treated as cancelled.
- xx. All quotations and correspondences should be addressed by designation only and not by name.
- xxi. The supply should be made within the stipulated time as mentioned in the purchase order followed by installation.
- xxii. The equipment should be installed by the service engineer of the vendor at our site free of cost and the working should be demonstrated including training.
- xxiii. Manufacturer's / Distributorship's / Dealership's certificate from the principle, if any, (for the year 2014-15) may be submitted along with quotation.
- xxiv. Bidder should have a turnover of atleast 50% of the cost of the item for which vendor is bidding during any one of the last two years. The necessary documents related to turnover during last two years be submitted alongwith the technical bid.
- xxv. No advance or part payment against the ordered goods will be made till the full order placed is satisfactorily executed.
- xxvi. List of users of your product and their opinion may also be sent along with their phone number/(s).
- xxvii. **Warranty:** The standard warranty should be provided for the instrument. Price for the extended full warranty for (5) years for the same could be quoted separately in technical bid from the date of expiry of standard warranty. In case of trouble, expert service must be provided within 48 hours.
- xxviii. **AMC:** Price of Annual Maintenance Contract for 3 years after expiry of standard warranty period could be quoted separately in technical bid.

- xxix. **Training:** Training for two persons must be provided free of cost by the vendor for each instrument quoted.
- xxx. **The successful bidder has to deposit 5% of invoice value in the University fund account prior to issue of purchase order. This money will remain deposited in University as security deposit till standard warranty period is over.**
- xxxi. **The security deposit should be paid either through DD from Nationalized Bank and Private sector banks authorized by RBI to undertake State Government Business (AXIS Bank, ICICI Bank, IDBI Bank and HDFC Bank) in the favour of “Anand Agricultural University Fund Account” payable at Anand. OR Appropriate Bank Guarantee should be provided from above referred banks in name of “The Unit Officer, Department of Agricultural Biotechnology, Anand Agricultural University, Anand.”**
- xxxii. **Rights are reserved with the concerned unit officers to vary number of units, accept the quotation fully or partially and shall not be bound to give reasons for rejecting the whole or part of the quotation.**
- xxxiii. Quotations/ tenders without Earnest Money Deposit (EMD) for specific item will not be considered.
- xxxiv. A copy of the supporting document like, **Tin No, PAN No, etc** of the vendor should be enclosed with the quotation / tender.
- xxxv. Losses/damage of the instrument in transits, if any, shall be at the risk of the vendor / supplier
- xxxvi. If the demurrage charges occur due to delay in sending the document/air cargo receipt, the amount of the demurrage will be borne by the vendor / supplier.
- xxxvii. **The technical bid will be opened on 25<sup>th</sup> March, 2015 at 10:30 A.M. for scrutiny followed by commercial bid opening either on the same date or any other next date of completion of technical scrutiny.**
- xxxviii. In the event of the dispute regarding any matter related to acceptance or rejection of tender or consideration of tender for purchase order, decision of Director of Research or Dean Faculty of PG students of Anand Agricultural University, Anand – 388 110, Gujarat or person /persons authorized by him shall remain final.
- xxxix. For all legal matter court jurisdiction shall be “Anand”, Gujarat.

**Sd/-**

**Unit Officer**

Department of Agricultural Biotechnology  
Anand Agricultural University  
Anand 388 110

**Note:** To be returned with the quotation duly sealed and signed by the vendor as acknowledgement of acceptance of the terms and conditions otherwise the quotation will be considered as disqualified.

**Place:**  
**Date:**

**Signature of Vendor**  
(Rubber Stamp, Address & Phone No.)