

**GAUHATI UNIVERSITY**  
**Gopinath Bordoloi Nagar, Guwahati - 14, Assam**

**NOTICE INVITING QUOTATIONS**

**NIQ No: GU/Bot/DBT/Equipt/2016/01**

Sealed quotations from reputed manufacturers/dealers/suppliers are invited for supply and installation in the Department of Botany, Gauhati University, Guwahati, Assam under DBT, Govt. of India sponsored project entitled "Development high yielding, non- lodging and biotic resistant varieties of Joha rice of Assam through biotechnological intervention". The items should be of high quality and efficient, and should also meet the specification described below:

Sl. No.	Item	Quantity	Technical Specification
1.	Gel Electrophoresis and Power Supply	01	<p><b><u>System specification</u></b></p> <p><b>Horizontal Electrophoresis System:</b>  Principal Material : Acrylic  Inner tank dimension : 215 x 141 x 55 mm  No. of trays: 130 x 130 mm - 1 No.  130 x 65 mm - 2 Nos.  65 x 60 mm - 4 Nos.  No. of combs : 13 Well Analytical Acrylic  Comb 1.5 mm thick x 1 No.  8 Well Analytical Acrylic Comb  1.5 mm thick x 4 Nos. 3 Well  Preparative Acrylic Comb  3 mm thick x 1 No.</p> <p><b>Vertical Electrophoresis System:</b>  Gel Size: 16 X14 cms.  Principal Material : Acrylic  Upper buffer tank dimension : 140 x 60 x 25 mm  Lower buffer tank dimension : 200 x 60 x 60 mm  No. of combs : 13 Well Teflon Comb-0.5 mm 1 No.  13 Well Teflon Comb -1 mm 1 No.  13 Well Teflon Comb - 1.5 mm 1 No.  Teflon Spacers : 0.5 mm Teflon Spacers 2 Nos.  1 mm Teflon Spacers 2 Nos.  1.5 mm Teflon Spacers 2 Nos.  Connecting Cord : red and black (1 each).  No. of Platinum electrodes : red and black (1 each).  Lid : 1 No.  Leveling screws : 3 Nos.  Glass plate : Notched and Rectangular 2 sets.  Gasket : Fixed  Clamp and screws: 1 set.</p> <p><b><u>Digital power supply</u></b>  BGPS 300/ 400: Euro Model Digital Power supply light weight; 10-300 V; 4-400 mA Max 75 W,  4 outlets; Variable with timer; Constant Current; Constant Voltage; Digital display</p>
2.	Refrigerated Centrifuge With suitable Voltage Stabilizer	01	<p>Microprocessor based Refrigerated Centrifuge  Maximum RPM: 20000 RPM  Maximum RCF above: 35000 x g  Temperature range: -8°C  Angle Rotors 24 x 1.5ml, 6 strips of 8 x 0.2ml, 12 x 15ml, 8 x 50 ml</p>

			With suitable Voltage Stabilizer
3.	Computer Based UV-Visible Spectrophotometer Along with Operating Software	01	<p>Computer Based UV-Visible Spectrophotometer along with Operating Software.</p> <p>Wavelength: Range: 200 to 1000nm</p> <p>Resolution: 0.1nm</p> <p>Accuracy: <math>\pm 1</math>nm</p> <p>Repeatability: <math>\pm 0.5</math>nm</p> <p>Bandwidth: 2nm</p> <p>Photometric: Range: 0.3 to 2.5Abs, 0 to 100%T</p> <p>Accuracy: <math>\pm 0.005</math>A at 1 Abs</p> <p>Repeatability: <math>\pm 0.002</math> Abs at 1 A</p> <p>Stray Light: Less than 0.1% at 220nm &amp; 370nm</p> <p>Baseline Correction: Automatic baseline correction</p> <p>Baseline Flatness: <math>\pm 0.003</math> Abs (200 to 1000nm)</p> <p>Source: Tungsten Halogen Lamp (320 to 100nm)</p> <p>Deuterium Lamp (200 to 340nm)</p> <p>Measuring Modes:</p> <p>Absorbance, % Transmittance, Concentration by (K- factor, multi standard up to 5)</p> <p>Operating Modes: Single wavelength, Multi wavelength, Scan (With Multi Scan Facility), Time Scan</p> <p>Scan Speed: Slow, Medium and fast (Approx Min. at a span of 100nm)</p> <p>Two Spare Quartz Cuvettes.</p> <p>With Suitable Computer and 1 KVA UPS.</p>
4.	E-Gel Imaging System	01	<p><b>Features:</b> E-Gel Imager System is imaging system for documenting and analyzing agarose gels and E-Gel® cassettes. Each E-Gel® Imager system includes a sleek and compact camera hood and one or more interchangeable bases along with two powerful software programs. There are three bases to choose from: a UV Light Base, a Blue Light Base and an E-Gel® Adaptor Base. In any of the three configurations the E-Gel® Imager system provides a small and light imaging solution that utilizes a scientific grade camera. Plus, the E-Gel® Imager is designed to work with both E-Gel® iBase™ power system and the new E-Gel® Go! Base to allow for real time documentation of electrophoresis runs using E-Gel® cassettes. Capture sharp, rich images with the integrated scientific grade camera Choose the best configuration for any stain with interchangeable bases Capture gel images in real time, even during a run Analyze gel images using the powerful GelQuant Express software. Specification Small footprint to conserve benchtop space. safe blue-light transillumination without the risks of UV light transillumination Provision for Sensors to permit illumination only when the Imager Camera Hood is properly positioned over the Light Base unit Compatible with a wide range of fluorescent and visible dyes (e.g. Qdot®, SYBR Safe®, ethidiumbromide). Compatible with different gel formats including Precast gels (e.g. E-Gel® Agarose Gels, NuPAGE® Novex Bis-Tris Gels) and pour-it-yourself gels (agarose, or polyacrylamide). Real-time sample imaging allowing detailed sample viewing. Eliminate the need for film or processing chemicals. Electrical Requirements: 100–240 V, 50/60Hz, 0.6A Temperature: Ambient <math>\pm 5^\circ\text{C}</math> to <math>40^\circ\text{C}</math> Viewing surface dimensions should be : 42 mm <math>\times</math> 83mm - direct camera to PC image transfer.</p> <p>With The E-Gel® Imager White-Light Conversion Screen</p>

All interested vendors are requested to send their sealed quotations citing the respective NIQ No. over the envelop for supply of the above item to **Dr. B. Tanti, Professor, Department of Botany, Gauhati University** on or before 20.12.2016.

**Rates must be shown in following order:**

Sl. No.	Item	Detail Specification	Unit Price	Tax	Price with Tax

- ❖ Gauhati University reserves the right to modify/cancel the requirements.
- ❖ All terms and conditions will be as per Gauhati University rules, regulations and decisions.
- ❖ Road permit, custom duty clearance should be taken care by the suppliers.
- ❖ Vendors to mention details of their after sales support available with name and designation.

Copy to:

1. Finance Officer, Gauhati University
2. G.U. Website and Notice Board

(B. Tanti), Principal Investigator

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