



राष्ट्रीय केला अनुसंधान केन्द्र  
(भारतीय कृषि अनुसंधान परिषद)  
तोगामलै रोड, थायनुर पोस्ट,  
तिरुचिरापल्लि. - ६२० १०२. तमिलनाडु

National Research Centre for Banana  
(Indian Council of Agricultural Research)  
Thogamalai Road, Thayanur P.O.  
Tiruchirapalli - 620 102, Tamil Nadu, India

F.No.25(1)/2016-SP/ 2242 - 2299

Dated : 11.04.2016

To

Sir/s,

Quotations are invited by the Director, NRC for Banana, Trichy, for the supply of the following items as per the specifications given below.

S.No.	Name of the article	Qty. Reqd.
1.	<p><b>ISO ELECTRIC FOCUSSING UNIT, ACCESSORIES &amp; SOFTWARES</b></p> <p><b>Technical specifications</b></p> <p>IEF unit should be able to run 1-12 IPG strips in 7, 11, 13, 17, 18 or 24 cm focusing tray. Each channel in IEF tray should be independently powered, enabling precise control over IPG strips. It should be possible to run different sample types, different pH gradient and multiple protocols simultaneously. Control panel should allow up to 10 user defined IEF protocols with programmable functions including rehydration time, platform temperature, current limit, voltage limit for each step, voltage step / gradient, and step duration.</p> <p>It should provide easy handling of CyDye/fluorescent labeled proteins and secure light protection during the run and other light-sensitive samples, and provides temperature control critical for reproducibility in 2-D DIGE experiments.</p> <p>It should run at 10-10000 Voltage and Run current should be 0-1.5 mA (1 <math>\mu</math>A/strip step). Platform temperature 15-31°C <math>\pm</math> 1°C (should have internal Peltier controlled cooling). Integrated high-voltage DC power supply delivering up to 10 Kv.</p> <p>Operating relative humidity 0-70%, noncondensing, Storage temperature -25 to +60°C, Power requirements 100-230 V <math>\pm</math> 10%, 50-60 Hz, 230 VA, Weight not exceeding 10 kgs. Safety features Automatic voltage cut-off when safety lid is opened.</p> <p>Control Software should allow easy programming on a PC. The software should record the run parameters over time and present data as graphs and log files. Data should be saved or exported to spreadsheet software. Control Software should aid in documenting results, optimizing run parameters, and ensuring GLP compliance.</p> <p>Rehydration, equilibrium, focusing trays, loading cups, required number of strip holders and covers to hold individual strips and other accessories should</p>	1 No.

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