



राष्ट्रीय पादप जीनोम अनुसंधान संस्थान

(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

(An Autonomous Institution of the Department of Biotechnology, Ministry of Science and Technology, Government of India)

अरुणा आसफ अली मार्ग, पो. बाक्स नं. 10531, नई दिल्ली-110067

Aruna Asaf Ali Marg, Post Box Number 10531, New Delhi-110067

No. 8/2014-15/NIPGR/S&P/PTS

June 16, 2014

Sub: Invitation of sealed quotation.

Sir,

We are interested in purchase and installation of **01 No. each of PAGE and transfer system with power supplies and accessories** for our Institute as per the following specifications in two bid system:

- System should be a dedicated instrument for immobilized pH gradient isoelectric focusing software controlled system.
- The unit should be able to run simultaneously at least 12 regular strips of different lengths (7- 24 cm)
- System should come with control software for real time monitoring/programming of run conditions (voltage, temperature, gradient, and current). The software should be capable of controlling at least 4 units simultaneously and should be able to generate graphical reports with a large user interface.
- Electrode areas should be made of gold plated copper for efficient even maintenance of temperature. Body should be made of material resistant to the typically used chemicals.
- Integrated 10000V power supply, temperature control via peltier elements (>30 deg), 0-1.5 mA (1µA/strip step) and unit should have automatic voltage cut-off, when safety lid is open.
- Oil free rehydration tray and a compatible focusing tray, which can accommodate at least 12 regular strips for 7-24 cm required for maximum performance of the system should also be quoted as optional items.
- System capable of performing second dimension separation for strips of size 13 & 7 cm or two 7 cm strips simultaneously should also be offered.
- This system (for second dimension separation) should be able to maintain temperature between 1 - 45 degree centigrade with built-in heat exchanger for faster runs with high quality; maintain uniform temperature in gels and buffer.
- System should be able to run up to four gels simultaneously and include sufficient number of all the required accessories for casting and running single or multiple gels (casting stand), buffer dams, clamps, glass plates, combs, spacers etc.
- Power supply capable of running at least 2 units and delivering up to 600 V, 400 mA and 100 W should also be offered.
- Power supply unit should be able to store at least three protocols and should have single unit increment in settings and read-out for precision and reproducibility.
- A semi-dry western blotting apparatus, which can accommodate gel up to 21 x 26 cm or four mini-gels side-by-side should also be quoted.
- System should have long-lasting perforated platinum-titanium and stainless steel electrodes for uniform, contamination free transfers.
- System should use minimal buffer (just enough to saturate blotting papers and membranes) and should be able to perform complete and uniform electro transfer of proteins from polyacrylamide gels in less than 1 h.
- System should include sufficient number of all the required accessories for protein transfer from gels of 14x16 cm and 7 x 10 cm sizes.
- The semi-dry system with all above specifications and a built-in power supply should also be quoted as optional.
- All the additional accessories and consumables should also be quoted as optional items.
- User manuals/proper documentation for all the components along with on-site installation and training to the research staff should be provided.

You are therefore requested to please quote your lowest rates along with Catalogues / Copy of dealership Certificate etc. The quotation must accompany a Demand draft of ₹ 12,000.00 (Rupees Twelve thousand only) in the name of Director, NIPGR, New Delhi and must be sent in a **sealed envelope** duly super- scribed on top of envelope as "**Quotation for PAGE and transfer system with power supplies and accessories**" so as to reach to the undersigned latest by **07/07/2014 (3.00 PM)**, the same shall be opened on same date at **3.30 P.M.**

Thanking you,

Purchase cum Stores Officer