



GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY

School of Biotechnology
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
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Dr. Rinu Sharma
Assistant Professor

Dear Sir,

Kindly quote your lowest rates for the supply of one **4-gel vertical electrophoresis and transfer system with power supply** with specifications listed in Annexure I to this letter and submit the same in sealed envelope to the undersigned. The quotations should reach Room No: ARL-219, A Block, Second floor, School of Biotechnology, GGS Indraprastha University, Sector 16C, Dwarka, New Delhi – 110078 before **12:00pm on 9th December, 2019.**

Rinu Sharma 27/11/19

Dr. Rinu Sharma

Principal Investigator

Dr. RINU SHARMA
Assistant Professor
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Specifications for 4-gel vertical electrophoresis and transfer system with power supply

- 4 gel vertical electrophoresis system, Western Blot transfer system and power supply should be compatible with each other and should run as a single unit.
 - Gel vertical electrophoresis system should be able to run 1-4 gels
 - Mini Gel format of size 8.6 x 6.7 cm
 - Cell (tank and lid with power cables): 01
 - 1 mm spacer plates: 5
 - Short plates: 5
 - 10-well combs: 5
 - Casting stands: 2
 - Casting frames: 4
 - Run time for SDS-PAGE: 35–45 min (at 200 V constant)
 - Buffer dam: 1
 - Total buffer volume for 4 gels: approx. 1000 ml
 - Gel size (WxL)- 8.3 x 6.4 cm
 - Short plate (WxL)- 10.1 x 7.3 cm
 - Spacer plate (WxL) - 10.1 x 8.2 cm
 - Dimensions (WxLxH)- 12.0 x 16.0 x 18.0 cm

Western blot transfer system

- Transfers two mini format (7.5 x 10 cm) gels
- Should have cooling unit that prevents buffer depletion during high-intensity transfers
- Should perform low-intensity transfers by running at low voltage overnight
- The modular electrode assembly should be compatible with the mini 2 gel vertical electrophoresis cell
- Number of cassettes: 2 (1 gel per cassette)
- 2 gel holder cassettes
- Electrode distance: 4 cm
- Transfer time: approx. 60 min
- Dimensions: standard

Power Supply

- Output specifications: 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps
- 75 W (maximum)
- Type of output: Constant voltage or constant current with automatic crossover
- Output terminals: 4 pair recessed banana jacks in parallel
- Timer control: 1 min–99 hr 59 min, fully adjustable
- Should have Pause/resume function

Amal Kumar

- Should have 3-digit LED Display
- Operating conditions: 0–40°C; 0–95% humidity in absence of condensation
- Safety compliance: EN61010
- Safety features: No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection
- Input protection: Fuse on hot and neutral

Terms and Conditions:

1. Sealed quotation must be submitted. The envelope must be superscribed with the name of the equipment and addressed to Dr. Rinu Sharma, School of Biotechnology, GGS Indraprastha University, Sector 16C, Dwarka, New Delhi – 110078.
2. The rates quoted should be in Indian Rupees before and after taxes, as applicable for delivery to the final destination (ARL 219, USBT, GGSIPU). The final price should be quoted legibly in figures as well as in words, without any cutting, overwriting or erasing in the rates or specifications. If there is any difference in the rates of words and figures in a tender the figure written in words will be considered as final. The rates should be strictly in accordance with the actual specifications met by the item.
3. Payment will be made upon delivery and installation
4. On site comprehensive warranty of at least 1 year since installation is a must on every equipment, unless specified otherwise.
5. The equipment should be supplied within four weeks for indigenous and eight weeks for imported goods.

Rinu Sharma