

Dated : 21-08-2018

Project Reference: - Short Rate Enquiry No. **1/SRE/SDS/Biophy/18-19**

Subject:- Short Rate Enquiry for purchasing SDS gel electrophoresis apparatus with western blot

Dear M/s

A short rate enquiry is hereby floated/invited for purchasing **SDS gel electrophoresis apparatus with western blot** required by Department of Biophysics

Technical Specification for	SDS gel electrophoresis apparatus with western blot
Date/Time of Closure	04.09.2018 3.00pm
Date/Time of Opening	05.09.2018 11.00am

SDS gel electrophoresis apparatus with western blot

A. 1.0 mm Mini Vertical Electrophoresis Unit :

1. One complete unit for 1.0mm mini gels
2. Gel Size: Precast: 8.6 x 6.8; handcast: 8.3 x 7.3 cm
3. Glass plate size: Short plate: 10.1 x 7.3 cm and Spacer plate: 10.1 x 8.2 cm
4. System should include tank, lid with power cables, electrode assembly, casting stand for 4gels, five each 10-well, 1.0 mm combs and five sets of short and integrated spacers plates.
5. System should be capable to run 1-4 hand-cast and precast mini gels
6. System should require not more than 700 ml buffer for 2 gels and 1000ml buffer for 4 gels.
7. System should have casting stand with wing clamp assembly for simple and leak proof casting
8. Should have inclusive Gel blotting module with capacity of at least 2 gel transfer
9. System should come with starter consumables kit for fast gel running in 20 min
10. System should have lid with safety banana jacks which can break the circuit if lid is opened during a run
11. The electrodes should be color coded to remove any confusion of wrong orientation
12. The lid should have integrated cables to connect to power pack directly
13. System should be quoted with two additional packs of 5 qty each of short plates.
14. System should be supplied with the Fast casting gel solution for casting gels sufficient enough for approximate 50 1.00 mm gels.
15. System should conform to CE standards.
16. 2 years warranty should be provided

B. 1.5 mm Mini Vertical Electrophoresis Unit:

1. One complete unit for running 1.5mm mini gels
2. Gel Size: Precast: 8.6 x 6.8; handcast: 8.3 x 7.3 cm
3. Glass plate size: Short plate: 10.1 x 7.3 cm Spacer plate: 10.1 x 8.2 cm
4. System should include tank 2 qty, lid with power cables 2 qty, electrode assembly 4 qty, casting stand for 4gels 2 qty, two sets of 1.5 mm, 10-well combs and inner and integrated spacers plates.
5. System should be capable to run 1-4 hand-cast and precast mini gels

6. System should require not more than 700 ml buffer for 2 gels and 1000ml buffer for 4 gels. System should have casting stand with wing clamp assembly for simple and leak proof casting
7. System should have the capability for adding an interchangeable module, which can run SDS-PAGE or do western blotting in same buffer tank
8. System should come with starter consumables kit for fast gel running in 20 min
9. System should have lid with safety banana jacks which break the circuit if lid is opened during a run
10. The electrodes should be color coded to remove any confusion of wrong orientation
11. The lid should have integrated cables to connect to power pack directly.
12. System should be quoted with two additional packs of 5 qty each of Short plates
13. System should be supplied with the Fast casting gel solution for casting gels sufficient enough for approximate 50 1.5 mm gels.
14. System should conform to CE standards
15. 2 years warranty should be provided

C. Power Pack (2 units)

1. The power pack should have output from 10–300 V,4-400mA with fully adjustable in 1 mA steps
It should provide Constant voltage or constant current with automatic crossover.
2. It should have timer control to run gels from 1min to 99hr fully adjustable with anytime power pause and resume option.
3. The power pack should have output terminals with 4 pair recessed banana jacks in parallel.
4. It should LED display of power supply.
5. It should have all safety compliance EN61010 with No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection.
6. The input fuse protection on hot and neutral should be present in the power pack
7. Should be CE/IVD USA certified or CE European certified
8. 2 years warranty should be provided

Terms & Conditions

1. The quotations should be addressed to Professor & Head, Department of Biophysics, AIIMS, Ansari Nagar, New Delhi – 110029 and sent by post/courier by **4th September, 2018 upto 3.00pm**. Quotations should be sealed in an envelope and the reference no and item must clearly be written on top of the envelop. (i.e. quotation for the Graphic Workstation).
2. The firm must be registered and having TIN NO./Registration No. (Please mentioned TIN/registration NO. on the bid) or else the quotation will be treated as cancelled.
3. Quotation should only be submitted by authorized dealers/distributors. Authorization certificate must be included with the submission of Quotation. Failure of submission of authorization certificate will render the firm ineligible. Hence the quote of such firm will not be considered.
4. Vendors should provide the product certification by one of this agency: CE/IVD certified or European Union EMC & Safety Safety Compliance Declaration or FCC - North American EMI Verification or UL - North American Product Certification or Demko or VDE - European Union Product Safety Certification.
4. The make and model of the article offered should invariably be quoted. Quotation should be typed/ written in ink overwriting or erased entries should not be there in the quotation. **The rates should be valid for at least three months.**
5. Vat /Sale tax or any other kind of (tax(s) must be mentioned separately. In case no sales tax in chargeable prices must be quoted as net price.
6. **Warranty /Guarantee:** - 2 year comprehensive warranty on site .
7. **Demonstrations:** - If it is required to demonstrate the quoted Model, the firm should get ready for demonstrations the product within one week. There will be and no request entertained for extending time for demonstrations. Failure to demonstrate their offer if requested, will be summarily rejected.
8. **Payment** will be made as per institute rules through electronically viz RTGS/NEFT after delivery, satisfactory installation of the item. The following information should be also mentioned in the invoice:
 1. Name of the beneficiary;
 2. Account No. the beneficiary;
 3. IFCS code of the bank/branch:
9. The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfill the conditions stipulated in the rate enquiry.
10. The submitted **Quotations will be opened on 5th September, 2018 at 11.00am in 3041A Seminar room 1st floor teaching block, AIIMS , Ansari Nagar, New Delhi – 110029**

Dr. Punit Kaur