

DEPARTMENT OF NEPHROLOGY  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANASARI NAGAR, NEW DELHI -110029

Rate Enquiry No. 01/Nephro/2016-17

**Terms & Condition:**

1. The quotation should be submitted to 'Professor & Head, Department of Nephrology, Room No. 4087, 4<sup>th</sup> Floor, AIIMS, New Delhi -29' and sent by post/per bearer **by 7<sup>th</sup> January, 2017 up to 12.00 p.m.** Quotations should be sealed in an envelope and the "Name of the item" clearly written on top of the envelop.
2. The make of the article offered should invariably be quoted. Quotation should be typed written in ink. All overwriting and erased entries will be deleted from the quotation. The rates should be valid for at least SIX MONTHS. Should be submitted relevant literature/original catalogue of quoted model of equipment.
3. VAT/Sales tax or any other kind of tax(s) must be separately mentioned against each item. In case no sales tax is chargeable, prices must be quoted as NET PRICE.
4. **Installation:** The firm install the equipment on the site, free of cost.
5. The firm should be able to give demonstration of the item if required within 5 days of requisition.
6. Authority letter from manufacturers/principal for supplying item .
7. Price reasonable certificate.
8. An undertaking that the firm has been blacklisted in the past by any Institution, Government/Private.
9. The successful bidder firm has to be deposit a 10% Performance Bank Guarantee of total value of item, in favor of 'Director, AIIMS, Delhi' in form of Account Pay DD/FDR/Bank Guarantee should be valid for two additional months on warranty periods, before releasing the payment.
10. Information for electronic payment viz RTGS/NEFT- Name of the beneficiary, Account number of the beneficiary, IFSC code of the bank/branch.
11. The Professor & Head the Deparment reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfil the conditions stipulated in the rate enquiry.
12. Payment will be made after receiving the items in good condition and satisfactory installation.
13. No extra transportation charge will be given to the firm.
14. The firm must supply the items within the date mentioned on the supply order copy.

Thanking you,

(Dr. S.K. Agarwal)  
Professor & Head  
Department of Nephrology

## **I. Technical Specifications**

1. Should be fully Automated three part Haematology Analyzer providing at least 16 parameters including a 3 part differential.
2. The system should give a % count for Lymphocyte and granulocytes.
3. Throughput: system should be capable of processing samples at least 60 samples/hours.
4. The system should be based upon direct current detection method with coincidence correction or electrical impedance based or lysis based for differentiation of three part differential, RBC count and platelet counts.
5. System should have auto cleaning mechanism for sample probe to avoid contamination.
6. The system should use non cyanide based reagents for Hb estimation with automatic blanking.
7. Must have floating threshold to separate overlapping of platelet & RBCs.
8. System should have possibility to perform automatic and manual mode of calibration.
9. Minimum sample volume required for analysis should be between 10 ul – 50 ul.
10. Should give various useful pathological flats for abnormal results.
11. Precision must be as WBC >2.5%, RBC <2%, PLT <5%.
12. System should have bidirectional interfacing option available with LIS and HIS compatibility. Should have build in port to attach hand held bar code scanner.
13. System should be user friendly with colour touch screen or keypad operation and should have option for inbuilt/external printer as well as data inter facing.
14. System should be US FDA / CE certified. The manufacturing certificate of the model should be provided.
15. The Firm must have their own manufactured quality controls and calibrators
16. Online UPS with 60 min back up should be supplied with the instrument.
17. System should have inbuilt memory to save minimum 1000 results with histogram and should have option to store data in external USB drive.
18. The system should be equipped with shortest fluidics in order minimize maintenance.
19. Linearity:
  - i) WBC: 0.0 to 100000/ul
  - ii) RBC: 0 to 7 million/ul
  - iii) Hb: 0 to 26 g%
  - iv) Hct: 05 to 60%
  - v) Platelet: 1000-1000000/ul
20. Reagent consumption: The firm should mention each reagent consumption in ml as
  - i) Start Up cycle consumption (For each reagent used Such as Diluent, Lyse, Cleaner etc.)
  - ii) Shut-down cycle consumption (For each reagent used Such as diluents, Lyse, Cleaner etc.)
  - iii) Per sample cycle for each reagent used Such as Diluent, Lyse, Cleaner etc.)
21. The Firm should provide for all the reagents and consumables required for next 5 years.
22. Overall reagent consumption will be taken into consideration while technical evaluation of instrument.
23. Tender evaluation would be done taking into account the cost of the equipment, cost of calibrators and controls (control frequency 3 level control/day) and cost of reagents for minimum 20000 tests per annum.

## **II. Environmental factors**

- **General safety:** Shall meet IEC or Equivalent BIS for Electromagnetic Compatibility.
- **Storage:** Able to store continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%
- **Operation:** Able to operate in ambient temperature of 20-30 deg C and relative humidity of less than 70%

## **III. Power supply and others**

- **Power input:** 220-240V/ 50 Hz AC Single phase or 380-400V AC 50 Hz Three phase with appropriate Indian plugs.

## **IV. Standard, safety and training**

- **Safety standard:** Certified for meeting IEC Medical electrical equipment - Part 1-4: General requirements for safety - Collateral Standard: Programmable electrical medical systems
- **Catalogue:** Attach original manufacturer's product catalogue and specification sheet. All technical data to be supported with original product data sheet. Please quote page number on compliance sheet as well
- **Electrical safety** conforms to standards for electrical safety IEC-60601 / IS-13450
- **Standard Approval:** Should be FDA or CE approved product
- **Market position:** Company should be in market for at least five years
- **Training of the hospital staff:** if required by the department should be done by the manufactures

## **V. Warranty & Company Responsibility**

- **Warranty:** All spare parts (Electronic, Mechanical, plastic etc) required as such or due to wear and tear should be included in warranty period of five years and in Comprehensive AMC period of next five years. Warranty must include UPS, RO, Computer, Printer and all software if applicable
- **Company Responsibility:** If company's distributor is quoting the machine, still sole responsibility of warranty and CMC will be of the parent company
- Elective visit once a week
- Preventive machine maintenance four times in a year
- Response time for acknowledgment of complaint 30 minutes
- Response time for physical presence within one working day
- Uptime 355 days in a year
- Downtime 48 hours with a penalty of Rs. 5000/- every day after downtime

## VI. Documentations

- **Compliance Report:** to be submitted in a tabulated and point wise manner clearly mentioning the page number of original catalogue/data sheet
- **Service manual:** To be provided in English
- **Equipment list:** For providing calibration and routine Preventive Maintenance Support, as per manufacturer documentation in service/technical manual should be provided.
- **Product Catalogue and User manual:** To be provided in English
- **Certificate of calibration:** To be provided, if applicable
- **Institution supply list:** A complete list of the institution, where machine has been supplied in last five years along with the name, mobile and office contact details of the person handling the machine to be provided
- **Details on Website:** Machines details and brochure should also be available on company website
- **Spare Parts:** List of important spare parts and accessories with their part number and cost should be provided
- **Log book:** Log book with instructions for regular maintenance checklist should be provided.
- **Job description:** Job description of the hospital staff and company service engineer should be clearly defined.
- **Local Components:** If some component/part of machine or its accessories are to be provided by Indian counterpart/agent, that should be very clearly defined in the bid and its cost should be clearly separated out

**Specifications are broad based and generalised and does not suit any particular firm.**

(Dr. S.K. Agarwal)  
Professor & Head

(Dr. D. Bhowmik)  
Professor

(Dr. Sandeep Mahajan)  
Professor

(Dr. Soumita Bagchi)  
Associate Professor

(Dr. R.K. Yadav)  
Asstt. Professor