

Tenders/Quotations in sealed envelopes are invited for the supply of **one Electronic Hematology Analyzer (Cell Counter) and one Fully automated Clinical Bio-Chemistry Analyzer** as per the specifications attached herewith. The terms and conditions of the quotation are as under:

Sl.No	Name of the item	QTY	Appro. Cost
1	Electronic Haematology Analyzer (Cell Counter)	1	800,000/-
2.	Automated Clinical Bio-Chemistry Analyzer	1	4,00,000/-

1. Tenders/Quotations shall reach the Office of the CMO, Institute of Health, Panjab University, Chandigarh by 5 pm, on or before the 24<sup>th</sup> of December 2018.
2. The financial bid consisting of price of the item and the technical bid consisting of technical details should be in separate sealed envelopes superscribed accordingly.
3. Earnest Money deposit @2% of the total value of the instrument in the forms of "Account Payee Demand Draft" – in the name of Registrar, Panjab University must be attached with the tender/quotation.
4. EMD of the tenderer will be forfeited if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of tender.
5. Taxes and other charges if any in addition to the price must be quoted separately.
6. A tenderer shall have the right to be heard in case of grievance or tender has been rejected wrongly.

(Chief Medical Officer)

Encl: Specifications.

## **Technical specifications of Electronic Hematology Counter**

1. Instrument Technology: Fully automated, easy to use with one step sample processing. Based on cell counting and sizing and must cover 3 parts differential population:
  - a) Lymphocyte
  - b) Neutrophil
  - c) Mixed population
2. Parameters Covered:  
22, Parameters: WBC, Lym, MID, GRA, Lym%, Mid%, Gra%, Rbc, MCV, HCT, HGB, MCH, MCHC, PLT, MPV, RDW – SD, RDIN – CV, PCT, PDW – SD, PDW – CV, P-LCR, P-LCC
3. Haemoglobin Estimation: Method involved must be based upon the reference method & should estimate *Hb* between 1 to 25.0g/dl.
4. Sampling: Cap piercing function for accurate sampling and reduced biohazard risk.
5. Sample Rate: Up to 60/hour.
6. Sample size: 100µl for whole blood.
7. Results: Final value must be averaged upon multiple counting and abnormal results flagged out.
8. Data Storage: Storage facility of 1000 results.
9. Data Management: Patient ID should be auto numbered.
10. Processing Time: Results be obtained within 60 sec.
11. Printer: Facility should be inbuilt.
12. Clearing of system: It should be automatic.
13. Background Count: It must have electronic self checking system for background count. Quality control.
14. Quality control Calibration: Inbuilt facility should be available.
15. Maintenance: Low routine maintenance and high system reliability.
16. Power Requirement: Should work at 220 – 240 volt AC preferably with built in voltage stabilizer.
17. Other features: Facility training and installation on site. Equipment must be complete with operators manual, power cords, basic accessories and voltage stabilizer.

## **SPECIFICATIONS OF FULLY AUTOMATED CLINICAL CHEMISTRY ANALYZER**

It should be Automated, Discrete top Random Access clinical chemistry Analyzer capable of performing biochemistry & immune turbidimetry assays.

Through put	:	180-200 tests/hr
Analytical method	:	1 point, 2 point
Bar Code Reader	:	For reagents & samples
Sample volume	:	60 uls
Reagent volume	:	not more than 300uls
Reading volume	:	150 – 200 ul
Absorbance rate	:	0.0 – 3.0
Light Source	:	Tungsten Halogen Lamp
Detector	:	Silicon photodiode
Water consumption	:	Minimal
Power requirement	:	AC 220 = 10% 50HZ
Waste Collection	:	Should have separate container for collection of waste
Sample	:	Serum Plasma, Urine & CSF

Sample Unit : Should have separate positions for bank/control/Calbrators and stat Sample

Operating system : Windows based with computer & printer attached

Quality Control : Should have facility o show daily & monthly quality control charts

Installation : Should have good number of installations in Govt, Semi Govt & reputed institutions/Hospitals

Note : Any Chinese product shall not be preferred

Certified that these specifications are not tailor made