

Quotation UPC

Immediate

Ref NO./Col/Pur/Quot/12067/2024  
Office of the Dean,  
Govt. Medical College, Nagpur.  
Date :- 21 / 5 / 2024

To,  
M/s -----  
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Sub :- Supply of Items for various Department, Govt. Medical College Nagpur

The undersigned invited sealed quotation for the below on reverse as per enclosed statement for the use of Medical college, Nagpur. on the following terms and conditions.

- 1) The prices quoted should be for delivery at college premises for local dealers and for Nagpur for outsiders.
- 2) The prices quoted by inclusive of all taxes, duties payable like custom excise GST. The breakup of the taxes should also be shown separately where necessary. The sales tax and registration No should be quoted in your letters, Exemption of taxes, if on AF form etc be separately attached.
- 3) The serial no of the items should not be changed while quoting rates. You may dropped in item if not interested.
- 4) Rates should be quoted strictly for the items specified in the list and for standard quality of goods. Incase of alternate offer, the detailed specification. Name of manufacturer or make etc. must invariable be stated, specification other than specified in the schedule may be liable for rejection aven thought lowest.
- 5) The quotation submitted **rates** will be valid for the **period for Six months** only from the date of acceptance.
- 6) Delivery period should be stated specifically like ready stock, two weeks/four weeks etc and should be firm and supply of stores if ordered should be made with in the stipulated period Failures are liable for delist from the further offers.
- 7) The quotation received after the due date will not be accepted. The quotation should be submitted in the sealed cover. Unsealed quotation will not be accepted. The last date of receiving the quotation is **dt. 31 / 05 / 2024 at. 04:00 PM.**
- 8) Supply of stores should be made in one installment unless otherwise ordered place meal supply will not be accepted. Payment will be made within 4 to 8 weeks after receipt of full quantity and bill in quadruplicates and only satisfactory report of working etc. or part payment will not be accepted.
- 9) Quotation if asked with samples if not accompanies with sample will be liable for re rejection even they are lowest sample should be sent with a liable attached quoting our ref. No of enquiry & item No. etc.
- 10) The Dean, Govt. Medical College, Nagpur. Does not pledge himself to accept the lowest or any quotation and reserve to himself right of acceptance of any quotation which suits to his requirements.
- 11) Very Important :- In case you are not interested in quoting your rates in reply to this enquiry a line in reply is a must failing are liable for desisting their names for further enquires is from our list and no further request in this matter will be entertained.

- 12) Literature, instructions showing specifications working etc. may also be sent with quotations.
- 13) All the nomenclature, descriptions, make, pack size and rates should not be quoted with pencil or ink pen, if found, will be rejected and will not be considered. All details mentioned in the quotations must be printed or computerized typed :-

Note :- Kindly attach all the below necessary document with the quotation.

- Company/Firm Registration Documents
- Pan Card
- GST Registration
- Authorization ( if required)
- Instrument Brouchure

अ.क्र	साहित्याचे नाव	Capacity	Qty
01	Refrigerater 2-8°	80 to 100 bags	As per requirement
02	HB 301 Analyzer		As per requirement

Enclosed – Secifications of all above items are attached



( Dr. Raj Gajbhiye )  
Dean  
Govt. Medical College,  
Nagpur

## TECHNICAL SPECIFICATION FOR BLOOD BANK REFRIGERATOR

(2° - 8°)

1. A refrigerator for storing whole blood or red cell packs in a blood bank. Should have European CE with 4 digit code from notified authority or USFDA Certification .
2. **Type of Equipment:** Compression type refrigerator that uses CFC-free refrigerant gas/ green gas.
3. **Capacity:** Should accommodate minimum 80/100 Bags Of 350ml/450ml
4. **Construction:**
  - Internal: Stainless steel /MS Sheet Body
  - External: Corrosion Resistant (CR at least 1mm thickness).
  - External Paint: Heat resistant, minimum 7 tanks process (Duly certified by the manufacturer).
  - CFC - free insulation.
  - Drawers: Roll out type, Stainless steel scratch resistant material, perforated on the bottom for perfect and homogeneous distribution of cold air. The separators, if provided in the drawers, should be such that blood bags are held in a vertical position with the label side visible. Minimum 4-5 Drawers.
5. **Door:**
  - Glass door, opening angle up to 100 to 110° or more.
  - Insulation and gasket should be silicone/rubber.
  - Good quality Polyurethane Insulation should be minimum 40mm to 50 mm.
  - Door opening audio and visual display alarm.
6. **Temperature range:**
  - 2°C to 6°C adjustable / factory set temperature with setting accuracy of  $\pm 0.5^\circ\text{C}$  (or better).
  - User Parameter settings: Set point, high alarm point, low alarm point, buzzer off time, C/F Temperature choice.
7. **Electrical Characteristics:** Input voltage: 220/240V 50Hz.
  - A line voltage corrector of appropriate rating will form part of standard configuration. The servo voltage corrector should be capable to correct input voltage range from 180 – 280 V AC to 220/240 VAC, 50Hz should be supplied along with equipment
8. **Internal Temperature Control:**
  - Electronic temperature control, range  $+2^\circ\text{C}$  to  $+6^\circ\text{C}$  with setting accuracy of  $\pm 1^\circ\text{C}$  whatever the load.
  - Inner Fan should be provided for maintaining universal temperature throughout the chamber.
9. **External Ambient Temperature:** Performs in an ambient temperature of  $+10$  to  $+40^\circ\text{C}$
10. **Temperature Monitoring:**
  - Digital temperature (LED) display with  $0.5^\circ\text{C}$  or lower gradation.
  - Microprocessor based temperature controller with integrated audio visual temperature and power alarm function with digital monitoring display.
  - Independent safety thermostat to avoid negative temperatures.
11. **Temperature recording device**
  - Visual and audible alarm system indicating unsafe temperatures.
  - Battery backup for alarm and temperature recording device.
  - Seven days circular chart recorder.
  - Seven days graphic temperature recorder with range of  $-5^\circ\text{C}$  to  $+20^\circ\text{C}$
  - Ideal compressor running time of 27% at room temperature.
  - Door locks should be available.
  - Audio and visual alarm for variation in temperature.
12. **Certifications:**
  - Product certification: USFDA or European CE and WHO-GMP certified.
  - Quality Certification: ISO 13485, IEC 60601 certified.
  - Product / Company should be registered with CDSCO
13. Should have warranty of two years
14. AMC /CMC rate should be quoted along with offer.
15. Should be provided with voltage stabilizer.

### Specifications - Finger prick, point-of-care testing Hemoglobin Analyzer

- System : Absorbance photometry based method hemoglobin analyser
- Method: Absorbance measurement of whole blood at Hb/HbO<sub>2</sub> Isobestic Point, based on microcuvette technology.
- Microcuvette: The microcuvette should be made up of polystyrene plastic and contain no active ingredients.
- The product should be US FDA/European CE certified
- Measuring Range : 0-25 g/dL
- Sample Material-Capillary, venous or arterial whole blood
- Dual Wavelength Technology: The instrument should work on dual wavelength technology – one for Hb measurement and the other for turbidity compensation for turbid samples.
- Calibration : The system should be factory calibrated against ICSH reference method and need no further calibration
- Measuring Time : ≤ 3 seconds
- Sample Volume : ~10 µL
- Operating Temperature :10-40°C
- Storage Temp: Cuvettes: 10-40°C, Analyzer : 0-50°C
- Power: Battery operated - 4AA Batteries (1.5V),
- Power Saver Mode: When operating on battery power, the analyser should automatically turn off after five minutes of no use.
- Manufacturer should have ISO 13485:2016 certification
- Analyzer Complies with IVD Medical Device Directive 98/79/EC
- Shelf life of Microcuvettes- a minimum shelf life of 2 years from Date of manufacturing for both open as well as unopen vials.
- Liquid Control: Third party blood based Control solutions with Low, Normal & High levels should be available.
- Sensitivity > 90%, Specificity > 90%, Bias is less than 0.5 gm/dl (± 1 gm/dl) & Within run precision is less than 1%.
- The application of blood sample should be possible before inserting the cuvette in the analyser to avoid contamination and provide ease of use
- The service centre should be from a company which is a direct subsidiary of the principal company and not through a distributor/importer to ensure reliable services.