

शासकीय वैद्यकीय महाविद्यालय व रुग्णालय, नागपूर

GOVERNMENT MEDICAL COLLEGE & HOSPITAL, NAGPUR

Tele. No. Office:-2743588

FAX NO. 0712-274448

No.Hosp/PS/E-Qt/Enq/Pediatric Instrument / 16016 /2021

Dt. 30/07/2021 .

Quotation

UPC

To,

M/s.....

Subject: - Submission of E-Quotation for the Supply of Instrument/Articles/Materials to the Govt. Medical College & Hospital, Nagpur.

The undersigned invited sealed quotations for the items mentioned below/on/reverse or as per enclosed statement for the use of the Govt. Medical College & Hospital, Nagpur on the following terms & conditions.

- 1) The prices quoted should be for delivery to College & Hospital premises for local dealers and F.O.R. Nagpur for outsiders.
- 2) The Price quoted by inclusive of all taxes, duties if payable like customs, excise, CST, ST, and GST. The break-up of the taxes should also be shown separately wherever necessary. The sales tax & registration number should be quoted in your letter. Exemption of taxes, if on A.F. Forms etc.be separately stated.
- 3) **The serial number of the items should not be changed while quoting rates.** You may drop the item if not interested.
- 4) Rates should be quoted strictly for the item specified in the list and for standard quality of goods. In case of alternate offer, the detailed specifications, name of manufacturer or make etc must invariably be stated. Specifications other than specified in the schedule may be liable for rejection on even though lowest.
- 5) The quotation submitted will be valid for a period of One (01) year only from the date of Acceptance.
- 6) Delivery period should be stated specifically , like ready stock or two weeks or four weeks etc and should be made available to this store within the stipulated period. Failures are liable for delist from further enquiries.
- 7) The quotation received after due date will not be accepted. The quotation should be submitted in sealed cover and in **separate envelopes** labelled clearly as "**BID 1- Technical**" and "**BID 2 - Commercial**" Unsealed quotations which are not properly sealed will not be accepted. The last or receiving date of the quotation is Dt. 07 Aug 2021 upto 3.00 p.m.
- 8) Supply of stores should be made in one instalment unless ordered otherwise. Piecemeal supply will not be accepted. Condition of advance payment through Bank, partpayment etc. will not be accepted.
- 9) The price quoted is inclusive of all taxes, duties if payable like Customs/ Excise/CST/ST the breakup of the taxes should also be shown separately where necessary. The sales tax and registration number should be quoted in your letter. Exemption of taxes on 'AF'/ Octroi exemption form etc.is separately stated.

(Contd. On ...2..)

...2...

10) Quotations if asked with samples should be accompanied if not accompanied with sample it will be liable for rejection even they are lowest. Samples should be sent with a labels attached quoting our ref.no of enquiry and item no etc.

11) The Dean, Govt. Medical College & Hospital, Nagpur does not pledge himself to accept the lowest or any quotations and reserves the right of acceptance or rejection of any quotations which are not as per the specification or requirement .

12) Supplier must quote the rates of items only those which he/she will display/demonstrate and supply. If the good supplied are different from the sample displayed or checked , order will be cancelled & no payment will be done.

13) Literature, Instruction manual, working leaflet etc may also be sent with quotation.

14) Registration/Authorization Certificate, Sale tax, IT Return Certificate, PAN card, GST no Compliance chart ,brochure ,Catalogue, User List submission (wherever applicable) along with quotation is mandatory.

15) Technical Specifications - Compliance Chart with variation/deviation

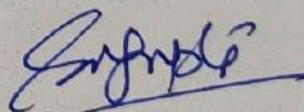
16) Bidder should apply in 2 Bid – TECHNICAL BID & COMMERCIAL BID also write clearly on envelop as TECHNICAL BID and COMMERCIAL BID in BOLD Letter. Bid submitted separately in sealed cover with reference to our Quotation No. on Top of Envelope otherwise their quotation not to be accepted.

(a) First Bid (Technical Bid). Should including Registration/Authorization Certificate, Sale tax, IT Return Certificate, PAN card, GST no Compliance chart as per specification, Brochure of the quotes Material as per specification write clearly an envelope as TECHNICAL BID.

(b) Second Bid (commercial Bid). Should include items rate including all Taxes only.

17) While submitting the bills of good supplied, supplier must calculate unit price and final unit price should reflect the same rate as per order given by the Institute. GST & other taxes should not be calculated on total prices.

18) After Opening the technical BD qualified Bidder will have to give demonstration of equipment as well as show their quoted items to HOD for technical approval as a Technical Committee otherwise Bidder names not to be included in commercial bid.



DEAN

Govt. Medical College & Hospital, Nagpur

Details as below; Emergency purchase for Corona Virus (COVID-19)

Sr. No.	Name of the Items	Dept
1	ECG Machine (Specification attached)	Pediatrics
2	Dual Surface Phototherapy Machine (Specification attached)	Pediatrics
3	O2 Flowmeter (Specification attached)	Pediatrics
4	Ambu Bag (250 ml to 500 ml) (Specification attached)	Pediatrics
5	Pediatric Laryngoscope (Specification attached)	Pediatrics

NOTE:- Price of items must be quoted inclusive of all taxes.

Annexure-I

TECHNICAL SPECIFICATIONS ECG Machine

1 Description of Function

- 1.1 ECG Machine is a primary equipment to record ECG Signal in various configurations. 12 channels with interpretation is required for recording and analyzing the waveforms with an inbuilt software.

2 Operational Requirements

- 2.1 The ECG Machine should be able to acquire all 12 Leads simultaneously and interpret them.

3 Technical Specifications

- 3.1 Should acquire simultaneous 12 lead ECG for both adult and paediatric patients.
- 3.2 Should have Real time Colour display of ECG waveforms with signal quality indication for each lead.
- 3.3 Should have Artefact, AC, and low and high pass frequency filters.
- 3.4 Should have a storage memory of at least 100 ECGs with easy transfer by modem and data card.
- 3.5 Should have full screen preview of ECG report for quality assessment checks prior to print.
- 3.6 Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms and associated rhythm for adult and paediatric patients.
- 3.7 Should have alphanumeric Keyboard for patient data Entry. (virtual or hard keys).
- 3.8 Should have High resolution (200 dpi x 500 dpi on 25 mm/sec speed) digital array A4 size printer.
- 3.9 Should have report formats of 3 x 4; 6 x 2, Rhythm for up to 12 selected leads; 12 Lead Extended measurements, 1 minute of continuous waveform data for 1 selected lead.
- 3.10 Should have battery capacity of at least 30 ECGs or 30 minutes of continuous rhythm recording on single charge.
- 3.11 Should be able to be connected to HIS /LAN/Wireless LAN.
- 3.12 Should display ECG on LCD/TFT Display of 640x480 pixel resolution.
- 3.13 USB Support for Storage on external portable memories.
- 3.14 Multimode of ECG Storage capability, 150 ECG on Internal Flash Memory.



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4 System Configuration Accessories, spares and consumables

- 4.1 ECG Machine 12 Leads with Interpretation - 01
- 4.2 Patient Cable -02
- 4.3 Chest Electrodes Adult-(set of six) -02 sets.
- 4.4 Chest Electrodes Paediatric-(set of six) -02 sets
- 4.5 Limb Electrodes(set of 4)- 02 sets of Adult and 02 sets of Paediatrics
- 4.6 Thermal Paper A4 Size for 500 patients

5 Environmental factors

- 5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 - 50deg C and relative humidity of 15-90%
- 5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -50deg C and relative humidity of 15-90%
- 5.3 Shall meet IEC-60601-1-2:2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive.

6 Power Supply

- 6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug

7 Standards, Safety and Training

- 7.1 Should be FDA, CE,UL or BIS approved product.
- 7.2 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.
(OR EQUIVALENT BIS Standard)

8 Documentation

- 8.1 User Manual in English
- 8.2 Service manual in English
- 8.3 List of important spare parts and accessories with their part number and costing
- 8.4 Certificate of calibration and inspection.
- 8.5 Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out
- 8.6 List of Equipment available for providing calibration and routine Preventive Maintenance Support. As per manufacturer documentation in service/technical manual.

DOUBLE SURFACE PHOTOTHERAPY -LED TYPE

LED Phototherapy Stand (PT6001)

- Heavy duty mobile stand phototherapy unit
- Fire retardant enclosure for light source
- light source tilt- continuous upto +/- 90 °
- Wavelength – 455 to 465 nm
- Effective surface area 50 cm X 30 cm at 45/35 cm from light source with uniformity ratio of > 0.40
- LED Lamps rated to last upto 50,000 hrs (with 30% depreciation)
- Dual digital cumulative hour timer for LED usage and patient exposure

Technical Specifications LED PHOTOTHERAPY UNIT

Irradiance : Minimum $40 \mu\text{W cm}^{-2} \text{ nm}^{-1}$ (+10±%) at 30 cm from the
With adjustable Intensity (High, Medium & Low)¹

Optical Sensor/Radiometer : Measurement band $0 \mu\text{W cm}^{-2} \text{ nm}$ to $40 \mu\text{W cm}^{-2} \text{ nm}$

Resolution : $0.1 \mu\text{W cm}^{-2} \text{ nm}$

Reading accuracy : $\pm 2 \mu\text{W cm}^{-2} \text{ nm}$

Wavelength : 455-465 nm (peak 451 nm). Free of UV and IR radiation

Electrical Specification

Out put Voltage : 12 VDC

Output power : 50 W

Input Voltage : 120-240 V, 1.5 A

Operating frequency : 50/60 Hz

Environments Requirement

Temperature range

Operating : 18 to 28° C (64.4 to 82.4 °F)

Storage : 20 to 60 °C (-4 to 140 °F)

Relative humidity

Operating : 10% to 95% (non condensing)

Storage : 10% to 95% (non condensing)

Atmospheric Pressure

Operating : 700 hPa to 1060 hPa

Storage : 500 hPa to 1060 hPa

Lamp type : Light emitting diode (LED) for 50,000 hours providing the same intensity level.

Height : Adjustable from 1270 ± 20 mm to 1730 ± 20 mm up to 90° on either side.

Time totalizer : Digital (compact)

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Examination lamp

1. Time totalizer for the LED running time (non-resettable)
2. Therapy timer for the treatment time (resettable)

: The LED PT is provided with 2 useful examination lamp that provides normal light when the baby needs to be attended to by doctors or nurses.

Alarms

1. Cooling fan failure
2. Temperature unit in light unit exceeds 50°C
3. Internal supply voltage is high
4. Internal supply voltage is low
5. Current consumption of LED's is not normal (Messages are displayed on the time totalizer display. Audible alarm is also produced.) μ - light unit.

Cooling requirements

: Centrifugal type to dissipate the heat created by LED's

Warranty

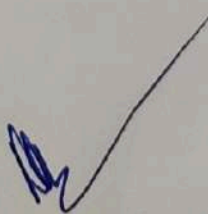
: 3 Years warranty and 3 years CMC

**LED Under Surface
Phototherapy (PT6005)**

- Detachable fire retardant enclosure for light source
- Source cooling fan
- Therapeutic high wattage blue LEDs, 8
- Wavelength - 455 to 465 nm
- High irradiance at skin level upto 60 $\mu\text{w}/\text{cm}^2/\text{nm}$ at 27 cm
- Effective surface area with uniformity ratio of > 0.40
- LED Lamps rated to last upto 50,000 hrs (with 30% depreciation)
- Dual digital cumulative hours timer for LED usage and patient exposure
- Overheat protection power cutoff for temperature at 90°C

**Infant care Trolley :
(ICT6001)**

- Mobile bassinet cot for neonates
- Stainless steel baby bed with collapsible side polycarbonate (unbreakable) panels, X-ray cassette holder
- Continuous variable head up/down facility
- High density mattress with removable, washable, fire retardant cover.
- Two shelves below baby tray for under surface phototherapy and storage
- Mounted on 4" wheel.


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Specification for Oxygen Flow Meter

A. Oxygen Flow Meter

Oxygen Flowmeters should be BPC (Back Pressure Compensated) - Metal/chrome finish type which incorporate a rotary pin valve control to permit adjustment of the flow rate to any desired level between 0-15 Liters/min. Jacketed type shatterproof tubes fitted on the units. The outlet at the bottom of the unit is fitted with a removable nipple. After removing the outlet nipple, a humidifier can be screwed into the outlet of the flow meter unit. Flow accuracy is unaffected by back pressure due to downstream restriction caused by humidifiers, nebulizers etc.

B. Humidifiers

Comprises unbreakable jar finish that comes with screw on cap that is fitted on side outlet tubes as well as on top inlet. It should be compatible to use with the A & B (Oxygen Regulator & flow meter).

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Specification for Ambu Bag

Product Description

Manual Resuscitator (Ambu Bag) Adult / Child / Infant to our clients.

Each set includes

- Silicone bag 1500 ml for Adult
- W / pop-off 60 cmH2O
- Intake valve set
- Silicone Mask for Large Adult Qty - 03
- Reservoir valve set
- PVC/ PE reservoir bag 2500 ml
- Oxygen tubing 2M
- Autoclave up to 134 or 273

Resuscitator Child

Each set includes

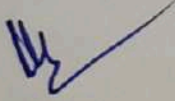
- Silicone bag 550 ml for Child
- W/ pop-off 40 cmH2O
- Intake valve set
- Silicone Mask for Child Qty - 03
- Reservoir valve set
- PVC / PE reservoir bag 2500 ml
- Oxygen tube 2M
- Autoclave up to 134 or 273


Resuscitator Infant

Each set includes

- Silicone bag 280 ml for Infant
- W / pop-off 40 cmH2O
- Intake valve set
- Silicone Mask for Infant Qty - 03
- Reservoir valve set
- PVC/ PE reservoir bag 600 ml
- Oxygen tube
- Autoclave up to 134 or 273


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Specification for Pediatric Laryngoscope

Materials:

Handle: stainless steel or chromium-plated, slightly rigged.
Depressor and laryngoscope blade: stainless steel, curved or straight.
Complete, ready-to-use, the laryngoscope is L-shaped so that the handle and batteries are at a right angle to the blade.
Illumination: battery compartment in the handle, lamp positioned on the blade.


Specifications:

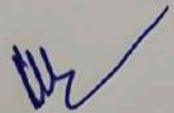
An instrument used to inspect the larynx, comprised of a:
- Hollow handle, 2-battery compartment type.
- Spatula or blade:
Macintosh type: slightly curved blade with a small bulbous tip, fixed to a hook-on handle.
or
Miller type: straight blade with curved atraumatic tip and a flat, narrow flange; used for small children.


- Bulb for blade:
Each blade has a single bulb, removable for cleaning.
Standard lamp (e.g., manufacturer Riester, model 7040).
- Handle, type C, diameter 28mm, for 2 batteries LR14.
3 curved Macintosh laryngoscope blades.
Size 2: length with blade 90mm, child.
Size 3: length with blade 110mm, adult small.
Size 4: length with blade 130mm, adult large.
Standard lamp (e.g., manufacturer Riester, model 7050)
- Hollow handle, type AA, diameter 19mm, for 2 batteries LR6.
3 curved Macintosh laryngoscope blades.
Size 0: length with blade: 55mm, newborn.
Size 1: length with blade: 70mm, baby.
Size 2: length with blade: 90mm, child.
Multilingual user's instruction manual.
Solid in protective case, soft or hard.
The name and characteristics of the item must appear on the packaging.

Other:

Packaging:


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