



अखिलभारतीयआयुर्विज्ञानसंस्थान, रायपुर(छत्तीसगढ़)  
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AIIMS/R/HS/TE/139/155/2021

Date: 02/11/2021

Inviting Quotations for Purchase of Monitoring System required for Trauma and Emergency Department at AIIMS Raipur.

**NOTICE INVITING QUOTATION**

Sealed quotations are invited from intending registered Stockist / Distributors/traders having GST and relevant documents for Purchase **Monitoring System required for Trauma and Emergency Department, AIIMS Raipur**. The quotation with copy of certificate of GST & other documents should be submitted to office of **Stores Office – Hospital, Room No. –329, C C1 Block, Gate No. 1, AIIMS Raipur or through email at [quotations.hs@aiimsraipur.edu.in](mailto:quotations.hs@aiimsraipur.edu.in) up to 12/11/2021 before 03:00 pm**. The Online Bids can be submitted through CPP portal also. The quotations/Bids will be opened on the same day i.e. on **12/11/2021 at 03:30pm**. Details of item are given as under:-

Sno	Specification	Quantity Required	Unit	HSN Code	Brand	Unit Rate	GST			Amount
							SGST	IGST	CGST	
1.	Smart Infusion Monitoring system	03	Nos.							
2.	Cloud Monitoring System	01	Nos.							
	Specification as per Annexure - 1									
	Grand Total									

**Terms & Condition**

1. Firm to mention Make/Brand name in their quotation.
2. Taxes, if any (Kindly mention in above table) should be clearly mentioned in the offer.
3. Document relating to registration of firm i.e. GST and relevant document should be submitted along with quotation.
4. Products are certified from ISI/ISO/CE/GMP/BIS as applicable, the Certificate to this effect should be attached.

5. Supply should be done within 15 days after Placement of PO.
6. Price should be FOR Destination basis (i.e. concerned department).
7. 100% Payment will be released after certification from concerned department.
8. **Quotation Name/No. and due date of opening must be mentioned on top of envelopes.**
9. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10% of delayed supply to be deducted.
10. AIIMS Raipur reserves the right to place order for full or part quantity to one or more firms.  
The AIIMS, Raipur reserves the right to increase/decrease the number of required quantity.
11. All other terms & condition as per GFR 2017.
12. Material to be delivered at **Trauma and Emergency Department, AIIMS Raipur.**
13. **Validity of the quotation should be 90 days from the date of opening.**
14. **Bidders should submit their email id, contact details with GST registration.**
15. **The firm may participate through offline mode or online mode or through CPPP, the L1 will be selected among all the bidders irrespective of mode of participation.**
16. **AIIMS Raipur reserves the right to ask the tenderers for arranging demonstration of their samples for feel & amp; finish for which rates have been quoted, to the concerned committee, if required.**

**Stores Officer (H)**  
**AIIMS, Raipur (C.G)**



# Annexure - 1

## Technical Specifications

Performance Specifications		
Device type	Infusion monitor	
Classification (according to EN 60601-1)	Internally powered medical device. Charger and device complies with class II requirements while connected to mains supply.	
Class (Directive 93/42/EEC)	Im	
Modes of Operation	<div>1. Online – Monitors infusion and sends data to cloud server through RF gateway.</div> <div>2. Offline – Monitors infusion</div>	Both online and offline model comes with handy design
Operating principle	Device is attached mechanically directly to the drip chamber of the infusion administration set. It calculates drops that are dropping inside the drip chamber. Drop detection is based on transmitting IR light through a drip chamber. When drop breaks the light, the event can be measured by receiving light sensor. Result are calculated and showed to user in convenient units (ml/hr and dpm).	Our product comes with an easy clamping mechanism that helps the nurse to clamp the device to any iv set within seconds.
Measurement range	<div>5dpm - 250dpm</div> <div>5ml/hr - 250m/hr</div> <div>15ml/hr - 750m/hr</div>	
Volume range	0 - 2000 ml	
Measurement accuracy	<div>Monitoring of drip flow rate to be 5-250 dpm at an accuracy &gt; 99% COV 1%.</div> <div>Furthermore, the measuring accuracy is affect-ed by the accuracy of the IV infusion set</div>	
Interface Specifications		
Display	<div>OLED</div> <div>Color : White</div> <div>Size : 1.3 inch</div> <div>Pixel : 128x64</div> <div>Connector : FPC</div> <div>Power Supply: 2.8V</div> <div>Lifetime : 15000 hrs</div>	<div>1.3inch OLED makes better viewing angles from any side.</div> <div>Even in daylight, the user can clearly view the live rate in the device.</div>
Encoder	<div>1. Type: Incremental</div> <div>2. Pulses per Revolution : 15</div>	



## Technical Specifications

Radio module (optional)	Compatible with LoRa at 867Mhz Bandwidth:125Mhz	
RGB LED	Wavelength - Peak 632nm Red, 520nm Green, 468nm Blue	
<b>Environment Specifications</b>		
Operating temperature	<ul style="list-style-type: none"> <li>Maximum: +55 °C</li> <li>Minimum: +5 °C</li> </ul>	
Storage temperature	<ol style="list-style-type: none"> <li>Maximum: +55 °C</li> <li>Minimum: 20 °C</li> </ol>	
Relative humidity (operating)	20 % -- 85 % (of air humidity condensation)	
Relative humidity (storage)	20 % ... 85 % (of air humidity condensation)	
Background Light intensity	100 lux to 1000 lux	
Air pressure	80 kPa ... 106 kPa	
<b>Physical Specifications</b>		
Dimensions	<ol style="list-style-type: none"> <li>Length : 123 mm</li> <li>Width : 45 mm</li> <li>Breadth: 48mm</li> </ol>	
Weight	Approx:150gms	
<b>Consumables Specifications</b>		
Battery	900mah 3.7V  Dimensions:4.3x29x70  Type: Lithium Polymer  Charging Current : 490mA  Charger: 5 V: 100–240V 50Hz 0.30–0.15	Dripo gives a standby time of 25 hours in a single charge.  No need to charge the device frequently.
Clamps	Clamps for single chamber and double chamber IV sets	
<b>Power and Battery Specifications</b>		
AC input	5 V: 100–240V 50Hz 0.30–0.15 A	
Battery type	Li-Polymer	
Battery capacity	900mah	
Battery charging time	Approx 2.5 hrs	