



NO. AIIMS/R/HS/2022/155/181

Date 23.11.2022

Sub: Inviting quotations for procurement of Adult/Paediatric Breathing circuit with flow sensor for Pulmonary Medicine at AIIMS Raipur.

QUOTATION NOTICE

Sealed quotations are invited from intending registered Stockiest/Distributors/Traders having GST No./relevant documents for procurement of Adult/Paediatric Breathing circuit with flow sensor for Pulmonary Medicine at AIIMS Raipur/ The quotation with copy of certificate of GST & other documents should be submitted to **office of Stores Officer – Hospital, Room No. – 146, C-C1 Block, Gate No. 1, AIIMS Raipur up to 30/11/2022 before 03:00 pm**. The quotations will be opened on the same day at 03:30pm. Details of items are as under :-

S.n क्र.स.	Name of the Item आइटम कानाम	HSN code एच.एस. एन.	Make/ Model	Maximum Order Qty. मात्रा	UNIT RATE IN Rs. इकाई दररुमें	GST जीएसटी	UNIT RATE with GST इकाई दर करसहित	Total amount in Rs. कुल मूल्य
1.	Adult/Pediatric coaxial b-set with flow sensor & elbow connection (box of 20) Note: these are consumable items required for working of high flow nasal cannula			01 box (Box of 20)				

Specification of the products – attached at Annexure-A

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/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 Pulmonary Medicine at AIIMS Raipur.
13. Validity of the quotation should be 90 days from the date of opening.
14. Firm to submit documentary evidence in support of their claim for GST at the time of submission of bills.

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

Technical Specifications of Adult / Pediatric Breathing Circuit with Flow Sensor

Breathing Circuit:

1. Compact coaxial single limb design for proper utilisation of patient space
2. Circuits should have coaxial design to provide passive warming of inspiratory gases by heat exchange with expiratory flow
3. Circuit should be pre-assembled with elbow adapter and flow sensor for easy and quick connection/setup
4. In coaxial circuit design, inspiratory and expiratory tubes should be color coded for easy identification
5. Should have circuit length of 180 cm atleast
6. Circuit should be made up of EVA, which ensures that no carcinogenic compounds are released during ventilation
7. Operating conditions -15°C to 50°C 5% to 95%, relative humidity, noncondensing Storage conditions -20°C to 60°C 5% to 95% relative humidity, noncondensin
8. Storage conditions -20°C to 60°C 5% to 95% relative humidity, noncondensin
9. Operation duration of circuits should be atleast 28 days. Document should be submitted.
10. The ventilator breathing circuit and flow sensor are intended to be used to connect the HAMILTON Ventilators for safe use.
11. The flow sensor part of breathing circuit should be tested and intended to be connect to HAMILTON Ventilators for the safe use
12. Complete circuit with flow sensor should be European CE approved

Flow Sensor:

Flow range	0 to 180 l/min (short term 260 l/min) or better
Dead space	Should be less than 11 ml (functional)
Resistance	Should be less than 0.027 cmH ₂ O/(l/min) over the complete flow range (-180 l/min to 180 l/min)
Weight	Should be less than 15 g without tubes, Should be less than 68 g with 188 cm tubes, Should be less than 89 g with 260 cm tubes, Should be less than 110 g with 330 cm tubes
Material	Should be Compliant with ISO 10993-1:2009 (biocompatibility) and Directive 2011/65/EU (RoHS). Material should not contain natural rubber latex, DEHP, or BPA.
Accuracy	For calibrated flow sensor volume-related parameters: HAMILTON-C1/T1/MR1/C2/C3/C6 ventilators: ± 10% or ± 10 ml (whichever is greater) HAMILTON-G5/S1 ventilators: ± 15% or ± 20 ml (whichever is greater)
Temperature	Operating: -20°C to 50°C (-4°F to 122°F) or better Storage: -20°C to 60°C (-4°F to 140°F) or better
Operating time	Atleast 28 days or depending on hospital infection control protocols, patient secretions, and nebulization of medication
Accessory	Tube clip, calibration adapter ID22 / OD15
Identification	Individual serial number should be mentioned
Regulatory	The manufacturing unit should be: ISO 13485 and ISO 9001 certified. The flow sensor should comply with: Medical Device Regulation (EU) 2017/745, EN 980, EN 1041, ISO 5356-1, ISO 10993-1, ISO 14971

NOTE: All the certificates concerning material and regulatory need to be enclosed with the technical