



AIIMS/R/HS /CP/2025/132/LPC/A/E-22908/ 834

Date: 30/04/2026

विषय/Sub: Inviting Quotation for two bid system (Technical and Financial) for the procurement of "Artificial Manual Breathing Unit (Adult, Infant, Pedia)(1<sup>st</sup> Call)" at Central Pharmacy Department of AIIMS Raipur.

### कोटेशनसूचना

#### QUOTATION NOTICE

Two separate sealed quotation is invited from intending registered stocklist/ Distributors having GST Number and relevant documents for "Artificial Manual Breathing Unit (Adult, Infant, Pedia) (1<sup>st</sup> Call)" for Department of Central Pharmacy, AIIMS Raipur. The quotation should be submitted to office of Stores Officer (Hospital), Hospital Administrative block, Old MS Office, Gate No. 1, AIIMS Raipur up to 03:00 pm on 06/05/2026. The quotations will be opened on the same day at 3:30 pm. Details of item are given as under:-


Sr. No.	NAME	REQUIREMENT	UNIT	Make & HSN Code	UNIT RATE IN Rs.	GST in %	Unit Rate with GST	TOTAL PRICE in RS.
<b>Artificial Manual Breathing Unit</b>								
1	Adult	163	Nos					
2	Infant	113	Nos					
3	Pedia	132	Nos					

#### Terms & Conditions.

1. The above items are based on one year's consumption, 50% of which—in terms of quantity—must be supplied in two lots.
2. The interested agencies are required to submit the sealed technical bid and sealed financial bid separately. The bids in sealed Cover -I must comprise of "Technical Bid" and sealed Cover-II must comprise of "Financial Bid" Both these two cover must be placed in third sealed cover super-scribed with all the details mentioned (Quotation No/Name and Due date of opening must be written on top of the envelop).
3. Technical Bid must comprise of complete specification of item and other related document as asked in the NIQ.
4. Sample will be called from the bidders who are technically qualified, if required.
5. Financial bids will be opened only to those bidders whose samples are technically qualified.
6. Rate should be mentioned in words & figures both.
7. GST rates applicable on the quoted item must be mentioned.
8. Delivery Schedule- within 15 days from the date of issue of P.O.
9. No additional documents related to this NIQ will be entertained after NIQ opened.
10. Price should be F.O.R. for Destination basis (i.e. Concerned Department).
11. LD@0.5% of delayed supply per week or part week for delay of supply of material subject to maximum upto 10% of delayed supply should be deducted.

अखिलभारतीयआयुर्विज्ञान संस्थान, रायपुर  
All India Institute of Medical Sciences, Raipur (CG)

12. The bidder participating in the LPC must have a local registered office in Chhattisgarh.
13. The GST registration details may please be furnished.

  
सहायक  
**Assistant Stores Officer-H**  
अखिल भारतीय **AIIMS Raipur (C.G.)**  
All India Institute of Medical Sciences, Raipur (C.G.)

## Technical Specifications for Manual Resuscitator (Ambu Bag)

**Item Name:** Manual Resuscitator / Artificial Resuscitation Bag (Adult, Pediatric, and Neonatal)

### 1. General Features (Applicable to All Sizes)

- **Material Construction:** The main bag and patient valve assembly must be made of high-quality, high-grade medical silicone rubber.
- **Latex Free:** The entire unit must be 100% Latex-free to prevent allergic reactions.
- **Autoclavability:** The bag, patient valve, and face masks must be autoclavable at 134° C (or 273° F) for at least 50-100 cycles without degradation of function or material properties.
- **Grip:** The surface of the bag should be textured/ribbed to ensure a non-slip grip, even when wet.
- **Recoil:** The bag must have excellent recoil recovery following compression (rapid re-expansion) to allow for high respiratory rates if required.
- **Valve System:**
  - Must feature a non-rebreathing patient valve assembly.
  - Must have low flow resistance for both inspiratory and expiratory phases.
  - Must allow for spontaneous breathing by the patient.
  - The valve assembly should be easy to disassemble and reassemble for cleaning/sterilization.
  - Standard 15 mm / 22mm ISO connectors (15mm ID / 22mm OD) to fit standard endotracheal tubes and face masks.
- **Oxygen Inlet:** Must have a standard oxygen inlet nipple for connection to oxygen tubing.
- **Reservoir System:** Must be compatible with an oxygen reservoir bag to deliver high concentrations (up to 95-100%) of oxygen.

### 2. Specific Technical Parameters

#### A. Adult Size

Parameter	Specification Requirement
Bag Volume	Approximately 1500 ml to 1600 ml
Stroke Volume	Minimum 800 ml (one hand) to 1300 ml (two hands)

Reservoir Bag Volume	Minimum 2000 ml (usually PVC or EVA material)
Pressure Relief	Usually not required for adults, but if present, must have a lock/override mechanism.

#### B. Pediatric (Child) Size

Parameter	Specification Requirement
Bag Volume	Approximately 500 ml to 650 ml
Stroke Volume	Approximately 350 ml to 450 ml
Reservoir Bag Volume	Minimum 2000 ml to 2600 ml
Pressure Relief Valve	Mandatory. Built-in pressure limiting valve (Pop-off valve) set to open at $40 \text{ cm} \pm 5 \text{ cm H}_2\text{O}$ to prevent barotrauma. Must have an override mechanism.

#### C. Neonatal (Infant) Size

Parameter	Specification Requirement
Bag Volume	Approximately 240 ml to 300 ml
Stroke Volume	Approximately 100 ml to 150 ml
Reservoir Bag Volume	Minimum 600 ml (Closed type reservoir preferred for neonates to allow CPAP monitoring if needed, otherwise standard bag reservoir).
Pressure Relief Valve	Mandatory. Built-in pressure limiting valve (Pop-off valve) set to open at $40 \text{ cm} \pm 5 \text{ cm H}_2\text{O}$ . Must have override mechanism.

#### 3. Standard Accessories (Per Unit)

- Each unit should be supplied in a carrying case/pouch containing:
  - Main Resuscitator Bag: 1 No.
  - Non-Rebreathing Valve Assembly: 1 No.
  - Oxygen Reservoir Bag: 1 No.

4. **Quality Standards & Safety:** It should be BIS/CE/ISO/USFDA certified.

#### 5. Warranty & Shelf Life

- **Warranty:** Minimum 1 year against manufacturing defects.
- **Shelf Life:** The silicone material should have a specified shelf life of at least 3-5 years