



अखिलभारतीयआयुर्विज्ञानसंस्थान, रायपुर (छत्तीसगढ़)  
All India Institute of Medical Sciences, Raipur (Chhattisgarh)  
Tatibandh,  
Raipur-492 099 (CG)

AIIMS/R/HS /CP/2025/132/LPC/A/E-22908/ 857

Date: 01/07/2026

विषय/Sub: Request for E-Market Survey for submission of Price Quotations for supply of "Artificial Manual Breathing Unit" (2<sup>nd</sup> Call) for Central Pharmacy Department at AIIMS Raipur under GFR-2017, Rule-155.

### कोटेशनसूचना

#### QUOTATION NOTICE

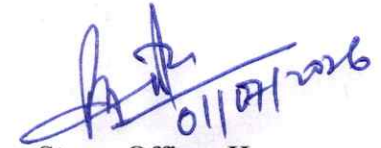
Two separate sealed quotation is invited from intending registered stocklist/ Distributors having GST Number and relevant documents for "Artificial Manual Breathing Unit (Adult, Infant, Pedia) (2<sup>nd</sup> Call)" for Department of Central Pharmacy, AIIMS Raipur. The quotation should be submitted to office of Stores Officer (Hospital), Hospital Administrative block, Old MS Office, Gate No. 1, AIIMS Raipur up to 03:00 pm on 07/07/2026. 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	162	Nos					
2	Infant	112	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. Firm must mention **Make/Brand name** in their quotation along with price.
5. Prices should be clearly mentioned in the offer.
6. The sealed envelope should bear the **quotation number** and the **subject of quotation**.
7. Supply should be made within **15 days** from the date of purchase order.
8. Price should be **inclusive of freight on road charges**.
9. Quotation will be evaluated on **item wise basis**.
10. Order will be placed to the **L-1 vendor**.
11. Validity of the quotation should be **60 days** from the date of opening and validity period must be clearly mentioned in the quotation.
12. Sample to be submitted as and when asked for.
13. Selected Supplier must have a **Valid License** for supply of the demanded items.
14. Firm to submit **documentary evidence in support of GST claim** at the time of submission of bills.

15. Short-life items (shelf-life  $\leq$  18 months) shall not have exceeded **5/6th of their total shelf life** at the time of supply. For imported drugs, shelf life at the time of supply shall not be less than **50%**.
16. For items not covered under clause (12), the supplied stock shall not be older than **one year from the date of manufacture** at the time of supply.
17. If supplied items are not utilized before expiry, the supplier shall undertake to **replace them with fresh stock** as and when required.
18. Supplier shall arrange for **free replacement** of any quantity that deteriorates in potency, strength, or approaches expiry (or has expired) before the expiry date marked on the labels.
19. Quotation should be submitted only during **Working Days & Office hours**:
20. Monday to Friday: 9 AM – 5 PM
21. Saturday: 9 AM – 1 PM

  
01/01/2026

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

**Pawan Kumar**

संभार अधिकारी (अस्प.)/Stores Officer (Hosp.)  
अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छ.ग.)  
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