



अखिल भारतीय आयुर्विज्ञान संस्थान
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
मंगलगिरी, गुंटूर (आंध्र प्रदेश) 522503
Mangalagiri, Guntur District (Andhra Pradesh) – 522503
Website: <https://www.aiimsmangalagiri.edu.in/>

Date: **26/02/2025**

WMS/NIQ No: AIIMS/MG/Procurement/06/Portable Ventilator /Department of Cardio Vascular & Thoracic Surgery.
Sub: -“NIQ for Supply of Portable Ventilator” at AIIMS Mangalagiri.

Notice Inviting Quotations

On behalf of The Executive Director, AIIMS Mangalagiri Quotations are invited with price bid and other documents from eligible Manufacturers/ Firms/ Companies/ Authorized Agents/ Distributors/ Dealers/ Supplier Agencies for “Supply of Portable Ventilator” at AIIMS Mangalagiri, as per specified terms and conditions.

1. Schedule of Requirement: -

S.No	Description of Items	Required Quantity
1.	Portable Ventilator	1 No'

II. Technical Specifications

Technical Specification

<u>1</u>	Description of Function
1.1	The portable ventilator is used to transport a patient with artificial respiration support or home care of a patient after discharge from a hospital
2	Operational Requirements
2.1	The portable ventilator should be lightweight (< 10 kg)
2.2	Should be microprocessor controlled, portable, light weight. Should operate with main electric supply as well as with battery. Should be able to work both with high pressure O2 (pipeline) and Inbuilt low pressure O2 source, connectors (both sides) and high-pressure tubing of appropriate length to be supplied
3	Technical Specifications
3.1	Should have turbine/ venturi/jet mixing/piston- technology for supplying air oxygen Mixture
3.2	Should have following modes of ventilation: CMV, Assist-control, SIMV, PS, PEEP, NIV
3.3	Audio-visual alarms for
a.	Low supply pressure
b.	High/low airway pressure
c.	Leakage/disconnection
d.	Power failure
e.	Apnea
f.	Low battery
3.4	Should have following settings
a.	TV 50 – 1500ml
b.	PEEP/CPAP- 0-25 cm H2O
c.	PS- 0-30 cm H2O
d.	RR up to 40 bpm
e.	I: E ratio 1:3 to 2:1
f.	FiO2 21 – 100%
3.5	Battery backup for minimum 3 - 6 hours.
3.6	Should fix, on rails of transport trolley and on stand with wheels
4	System Configuration Accessories, spares and consumables
4.1	Portable Ventilator-01

4.2	Adult Reusable /Autoclavable Silicon Patient Circuit-02
4.3	Paediatric Reusable/Autoclavable Silicone Patient Circuit-01
4.4	Oxygen Hose-01
4.5	Deleted
4.6	Rechargeable Batteries- 01 set
4.7	NIV mask-03 sizes, one piece each
5	Environmental factors
5.1	The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%
5.2	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
6	Power Supply
6.1	Power input to be 220-240VAC, 50Hz
7	Standards, Safety and Training
7.1	Product Should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.
7.2	Manufacturer should have ISO certification for quality standards.
7.3	Product should have Airworthiness RTCA DO-160 D, section 7,8,21 and Vibration standard MIL STD 810F, method 514.5 certifications. (Preferable)
8	Documentation
8.1	User Manual in English
8.2	Service manual in English
8.3	Certificate of calibration and inspection from factory.
8.4	List of important spare parts and accessories with their part number and costing
8.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.

DEMO TO BE PROVIDED TO CTVS CONSULTANT AS THEY ARE LIFE SAVING EQUIPMENT

III. Terms and Conditions

1. The sealed quotation must have valid GST number
2. Rates quoted must include all types of taxes and other possible expenses. No other charges will be considered.
3. The payments will be made against delivery item with valid invoice and E-way bill through electronically viz RTGS/NEFT. The following information also to be mentioned in the quotation.
 - a. Name of the beneficiary:
 - b. Account No. of the beneficiary:
 - c. IFSC of the bank/branch:

d). Delivery period: Delivery period of the items shall be **30 days** from the issue of supply order. In the event of any deviation, the supply order may be cancelled.

e). The quotations will be **opened on 03/03/2025, 03:00 PM** at Opp: Mortuary Complex Block, Logistics Building No.5, 2nd Floor, Room No.2151 AIIMS Mangalagiri.

f). Vendors requested to attend at time of opening of bid.

g). Penalty: Penalty @ **0.50% per week** will levied for late delivery on supply order value of the item and will be deducted from the payment Bill. The maximum penalty will be **10 %** of total value against any of Purchase/Supply Order total value.

h). Warranty Period: Should be clearly mentioned in the quotation as per the OEM or company norms.

i). Price Quotation: Cannot exceed **Rs 5 Lakhs**.

j) Price Validity: The quoted prices should remain valid for a period of **180 days** from date of opening of NIQ.

k). The outer envelope should be super scripted as “**Supply of Portable Ventilator**” at **AIIMS Mangalagiri**.

IV. The duly sealed and super scribed Quotations should reach **Procurement Cell, Opp: Mortuary Complex, Logistics Building No-5, Room No. 2151, AIIMS Mangalagiri, Guntur-522503** by **01:00 PM on 01/03/2025.**

**Sd-
AAO (Procurement)
AIIMS, Mangalagiri**