

Running Contract Details	
Equipment Name	Ventilator Neonatal & Adult Model B
Running Contract Valid Till	31-12-2026
Tender Ref No	KMSCL/EP/T412/1166B/2021
Tendered Quantity	100
Supplier Name	M/s Sree Gokulam Healthcare Pvt Ltd
GST No	32AAJCS3502K1ZI
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
43/2675A Dhanya Complex Sastha Temple Road Ernakulam North PO Kochi- 682018	Contact Person	Anoop
	Phone	
	Mobile No	9995813333
	Email	sales@gokulamhealthcare.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Ventilator Neonatal & Adult Model B <i>Model & Make : SV 600</i>	1405425 Incl.GST :5%	110560.1	1515985.1
2	Air compressor	152250 Incl.GST :5%	11977	164227
		1557675	122537.1	1680212.1

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
Ventilator Neonatal & Adult Model B							
Labour	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Comprehensive	1,47,235.00	1,54,600.00	1,62,325.00	1,70,445.00	1,78,965.00	1,87,915.00	1,97,310.00
Air compressor							
AMC	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
CAMC	20,300.00	21,315.00	22,380.00	23,500.00	24,675.00	25,910.00	27,200.00

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :Ventilator Neonatal & Adult Model B

1. The Ventilator should perform complete self-test and calibration including the compliance of the system.
2. The ventilator should be capable of ventilating on Infant , Paediatric and Adult patients
3. The Ventilator should be working on centralized compressed Air pipeline & O2 line with pressure ranging from 2 bar to 6 bar.
4. The unit should also work on external Medical grade Air Compressor of same manufacturer.
5. The unit should work on single gas on emergency in case of O2 or Air failure .
6. Should provide the following modes of ventilation.
 - a. Pressure Control & Pressure Regulated Volume Control [PRVC or equivalent Mode]
 - b. SIMV Pressure Control with Pressure Support & SIMV Pressure Regulated Volume Control with Pressure Support [or equivalent Mode]
 - c. CPAP & Pressure Support.
 - d. Volume control
 - e. Inverse ratio ventilation & Apnoea back-up ventilation in all modes.
 - f. Non-Invasive ventilation modes (CPAP , CPAP, NIV PS and NIVPCV) with Leak compensation should be available .
7. Ventilator should have Lung Protection tools –(Sigh, Insp. Hold., Manual Breath).
8. Should be able to set Tidal volume from 2 ml to 300 ml in infant mode with proximal flow sensor and 200- 2000ml in adult mode on pressure regulated volume control mode.
9. Should have simultaneous numerical and graphical real time display of set parameters and monitoring parameters like Plateau Pressure, Mean airway pressure, Peak pressure, Inspiratory time, I:E Ratio, Respiratory Rate, End Expiratory flow, FiO2, PEEP, Minute volume, Inspiratory Tidal Volume, Expiratory Tidal volume, Spontaneous MVE, etc...
10. Should have facility for real time monitoring of lung mechanics Total PEEP, Compliance, resistance.
11. Should provide pressure trigger and flow-trigger and bias flow for flow triggering
12. The oxygen concentration monitoring technique should be Non-consumable technology.
13. The ventilator should have an inbuilt secure ultrasonic/ hot wire anemometer expiratory flow sensor. Sterilisable as a unit and reusable. Reusable type [non consumable technology] should be easily removable for sterilizing after every patient use. The flow sensor technology should be latest, ultrasonic/ hot wire anemometer and suitable for Infant and Paediatric usage. Flow sensor should be sturdy with good track record.

14. Should have Inbuilt Touch screen monitor with minimum 12" LED display to display real time simultaneous monitoring of 3 wave form with 2 loops and Monitoring parameters with Target set values on single screen.
15. Should have trend of last 24 hrs with both graphical and numerical display simultaneously
16. Should have Alarm history, event recorder etc
17. Should provide a visual indication of machine-triggered, patient-triggered, and assisted breaths.
18. Should have pre-programmed suction support software and audio-visual alarms for critical parameters
19. Should have In-built battery back-up for of minimum 60 minutes and should display available battery backup time.
20. Should supply Medical Nebulizer with Vibrating mesh technology with particle size less than 3 microns. Nebulizer should be capable to use as a standalone unit with Mask on emergency purpose.
21. Should supply 1 No of Infant silicone Reusable breathing circuit, and 1 number of paediatric silicone reusable circuit, O2 & Air hose and neonatal and adult Test Lung.
22. Should provide nasal CPAP accessories (10 numbers with nasal mask small, medium, large XL and XXL (5 each))
23. Should provide Paediatric nasal and oronasal reusable NIV mask of appropriate size (small, medium, large) 5 each
24. Should be supplied with Servo Controlled nonproprietary Heated wire humidifier with chamber
25. The Air compressor should be medical grade, noise level not more than 50 db. at 1 Mtr. distance and light weight. The Air compressor should be capable of delivering 30 LPM continuous flow dry air and should have reservoir capacity of minimum 1.25 Ltrs. Should have automatic change over facility when central gas (Air) outlet fails.
26. The machine must be supplied with inlet moisture filter for Ventilator.
27. Trolley & Support arm from the same manufacturer to be supplied along with the Ventilator.
28. The total unit should carry comprehensive 3 Year warranty including O2 Cell, Flow sensor, Expiratory valve & compressor.
29. The unit should be user friendly with good track record.
30. Mandatory on site physical demonstration of the machine with all standard accessories
31. Audio and visual alarms for
 - a) High/low pressure,
 - b) High/low minute volume/tidal volume
 - c) Apnea alarm
 - d) Compressor failure
 - e) Sensor failure
 - f) Tube obstruction
 - g) Power failure
32. The Ventilator Should be FDA/CE Certified product with the standards for electrical safety IEC- 60601-1 General Requirements