



Running Contract Details	
Equipment Name	High frequency oscillating jet ventilator
Running Contract Valid Till	24-03-2024
Tender Ref No	KMSCL/EP/T412/658/2021
Tendered Quantity	50
Supplier Name	M/s TRANS HEALTH CARE INDIA PRIVATE LIMITED
GST No	33AAACT4180H1ZJ
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	
AP740 5TH SECTOR 95TH STREET K.K.NAGAR CHENNAI-600078	Contact Person	G. MUTHUKRISHNAN
	Phone	044-24722345, 24723057
	Mobile No	9840078636
	Email	mail@transhealthcareindia.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	High frequency oscillating jet ventilator <i>Model & Make : FABIAN HFO/VYAIR MEDICAL</i>	2116800 Incl.GST :12%	156114	2272914
2	Flow Sensor (Reusable)	20160 Incl.GST :12%	1486.8	21646.8
		2136960	157600.8	2294560.8

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
High frequency oscillating jet ventilator							
Labour	36,000.00	36,000.00	37,800.00	37,800.00	39,690.00	39,690.00	41,675.00
Comprehensive	63,000.00	63,000.00	66,150.00	66,150.00	69,458.00	69,458.00	72,930.00

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 3.00% 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 :High frequency oscillating jet ventilator

ItemName: High Frequency Oscillating Jet Ventilator

1. Specifically designed for the neonatal/infant patient range.
2. It should allow the user to deliver conventional Ventilation as well as HFO without change of patient circuit. Should have capability of mechanical ventilation of a range of patients from 300g -20kg body weight.
3. Pressure Limited, time cycled, Continuous flow ventilator specifically designed for new born babies and infant/ pediatric patients.
4. Variable Inspiratory & Expiratory flow or automatic from 1-30 lpm..
5. Leak compensated trigger
6. High precision Flow sensor with lowest dead space for complete lung function monitoring
7. Integrated Graphic Display with loops
8. Airway pressure and Flow waveform
9. Integrated Graphical Trends for 12 hrs.
10. Numerical Values of the set and delivered parameters
11. Ventilation Modes:
 - a. Controlled ventilation, Assisted ventilation, SIMV,
 - b. Spontaneous/CPAP, PSV, HFOV.
 - c. HFOV available with CMV / SIMV
- 12.SETTINGS:
 - a. Inspiratory flow-1-30 litre/min
 - b. Expiratory Tidal Volume: 0 to 999 ml
 - c. Expiratory Minute Volume: 0 to 18litres
 - d. Peak Pressure: 0 to 65mbar
 - e. PEEP Pressure: 0 to 20mbar
 - f. Trigger sensitivity-pressure trigger
 - g. Oxygen Concentration: 21 to 100%.
 - h. Ventilation Modes: HFO Ventilation
 - i. HFO Only
 - j. Frequency Range: 3-20 Hz
 - k. I:E Ratio: 1:1
 - l. Delta Pressure range: 4 to 180 mbar
 - m. Mean airway range: 0 to 35 mbar
13. Monitoring on Integrated Graphic Screen :

- a. Volume: Tidal Volume, Minute Volume, Leakage %
- b. Pressure: P-Peak, P-mean, PEEP, Pressure barograph
- c. Rate: Set, total, spontaneous
- d. Lung function: R, C, RC(Time constant)
- e. Flow, pressure waveforms

14.Trend Display: FiO2, Minute volume, Mean pressure, Compliance, Resistance up to 24 hrs

15.Alarm & Others.

- a. Three level — advice, caution, warning-alarm philosophy
- b. Alarms for high /low pressure, high/low minute volume, low O2,device failure, gas supply failure
- c. Log: up to 100 alarms on first in first out basis
- d. Future upgradeable for new software and hardware
- e. Should have a Gas delivery system by soundless (not more than 50 decibel at 1 meter distance) external integrated compressor from the same manufacturer/OEM of ventilator. In case of compressor failure it should also be operable with compressed air/oxygen supply of 45 to 60 psi.
- f. Replacement guarantee should be provided for battery, flow sensors, expiratory valve and oxygen sensor for the entire 3 years warranty period and also the rate offered for CMC should include the replacement guarantee for battery, flow sensors and oxygen sensor and expiratory valve.
- g. Humidifier with Pediatric Chamber. The humidifier may be Standalone / inbuilt.
- h. Compact high performance, micro processor controlled dual servo control humidifier for highest protection of neonatal & pediatric airway.
- i. Digital display and audio visual alarm safety cut-off

16.Power Requirements

- a. Voltage : 100-250 V 50-60 Hz
- b. Power : 115 VA
- c. Battery backup: 60min

17.Scope of Supply

- a. Mobile Trolley
- b. Air connecting Hose- 5M
- c. Oxygen connecting Hose -5M
- d. Humidifier and Patient Chamber- Pediatric-1No
- e. Dual Airway temperature sensor-1No
- f. Reusable pediatric and neonatal patient circuit- 2Nos each
- g. Test lung – 2nos

18.PEEP valve should be built in

19. Patient circuit should have a separate inspiratory and expiratory limb with water traps

20.The rate of Flow sensor shall be quoted separately which will not be taken for evaluation. The rate offered will be freezed for a period of 3 years.

21.Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US) /STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.