



Running Contract Details	
Equipment Name	Ventilator-Neonatal and Adult
Running Contract Valid Till	09-05-2023
Tender Ref No	KMSCL/EP/T383/1166/2020
Tendered Quantity	50
Supplier Name	M/s Schiller Healthcare India Pvt. Ltd
GST No	34AADCS5091B1ZN
Installation & Delivery Period	
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
Schiller Healthcare India Pvt Ltd 37/1013 - 2nd Floor - Unidec House Fathima Church Road Elamkulam - 682 020	Contact Person	Mr.Stijo Mathew, Mr. P.S Vidhyashankar
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Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	<b>Ventilator-Neonatal and Adult</b> <i>Model &amp; Make : Graphnet Advance/Tecme</i>	1190443.52 Incl.GST :12%	87795.21	1278238.73
2	<b>Humidifier (Neonatal)</b>	89320 Incl.GST :12%	6587.35	95907.35
3	<b>Humidifier (Adult)</b>	89320 Incl.GST :12%	6587.35	95907.35
		<b>1369083.52</b>	<b>100969.91</b>	<b>1470053.43</b>

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year	10 <sup>th</sup> Year
<b>Ventilator-Neonatal and Adult</b>							
Labour	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Comprehensive	42,516.00	42,516.00	42,516.00	42,516.00	42,516.00	42,516.00	42,516.00

### **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% 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 and Adult**

#### **I Ventilation modes**

1. Assist and controlled mode – Volume and pressure
2. SIMV/V and SIMV/P
3. Bi-level Ventilation: APRV or equivalent
4. CPAP and PEEP
5. Facility for Non-Invasive ventilation including control and support
6. Dual-mode PRVC or equivalent
7. Spontaneous weaning modes. ASV/PAV + Auto flow/ Equivalent
8. Lung protection tools to minimize ventilator-induced lung injury
9. Pressure support ventilation with PS up to 35cm of water.

#### **II. Should have real-time monitoring for:**

1. Pressure – Peak, Plateau, Mean, PEEP, and Weaning Parameters
2. Exhaled tidal volume and Minute Volume.
3. Inhaled tidal volume
4. FiO2
5. Lung mechanics.

#### **III. Patient category:**

1. Should be suitable for neonates to the adult category

#### **IV. Ventilation parameters:**

## 1. Tidal volume

- a. 200 – 2000 ml (Adult patient)
- b. 2ml -> 300ml (neonatal mode)

1. Respiratory rate – 4-150 BPM.
2. Pressure -0- 98 cms H2O including PEEP
3. Inspiratory Peak flow – maximum of 180 ltr. / min.
4. Minute volume – 1 -30 L/ Min.
5. Oxygen concentration – 21 – 100 %
6. PEEP /CPAP – 40 cm H2 O
7. Should have flow and pressure trigger
8. NIV in all modes
9. Neomode for 2ml; tidal volume with neonatal filters and neomode attachment

## V Standard Accessories (with each machine)

1. Patient circuit (Adult reusable) – 1 complete set
2. Patient circuit (pediatric reusable) – 1 complete set
3. Patient circuit (neonatal, reusable) – 1 set
4. HME – 15 Neonatal and 10 Adult each
5. Bacterial and viral filter – 25 nos. Each(15 Neonatal and 10 Adult)
6. Medical Nebulizer-Ultrasonic/ electronic micro pump
7. Heated Humidifier with one chamber adult – 1 no. and paediatric-1 no (Servo controlled)
8. O2 pressure regulator with 5 meters hose (conversion kit) – 2no.
9. Hose for O2 connection with connector – 5 mtrs.
10. Hose for compressed air with connector – 5 mtrs.
11. Test lung – 1 no
12. Expiratory Transducer Sensor / Valves - 2 nos
13. NIV mask (Large & medium reusable) – 2 nos.
14. Neonatal nasal prongs – 5 nos.

## VI. Features

1. Back up mode foe apnea.
2. Full alarm system for all ventilator settings and monitored values.
3. Touch screen monitor with minimum 12" LED display to display real-time display of 2 ware forms & 2 loops with monitoring parameters.
4. Monitoring of all patient data in graphical and numerical form should be possible with trend facility for 24 hours with HIS Compatibility
5. Direct access to vital settings
6. Inbuilt, secure expiratory flow sensor with expiratory valve and transducer. It should be sterilizable as unit including expiratory valve flow sensor) and reusable.
7. Should have a safety certificate from a competent authority CE issued by a notified body registered in the European commission /FDA (US)/STQC CB Certificate/STQC S Certificate or a valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with the technical bid.

## VII. Pneumatic Gas Sources:

1. Should have a Gas Delivery system by soundless (not more than 50 decibel at 1 meter distance) external integrated compressor from the same manufacturer, it should work on central compressed air supply and should have automatic change over facility when central air supply fails. *European CE Certificate for compressor should be provided.*
2. The unit must be supplied with a good quality moisture filter
3. 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.

## VIII. Power Source

1. Surge protector should be provided with each machine

2. 220/240 V Ac 50 Hz supply
3. Internal battery (maintenance-free) with 1 hr. minimum operating time for the ventilator
4. All electronic equipment should comply with electrical safety standards as per IEC 60601/1

#### **IX. Mounting**

Mounting trolley/cart mounting for easy transportation

#### **X. Others**

1. Terms and conditions of warranty and CAMC as per KMSCL rules.
2. Compliance statement should be provided with documentary evidence in terms of catalogue and datasheet by which the claim is confirmed.
3. Onsite physical demonstration of the machine with all standard accessories will be mandatory if demanded by the technical committee for clinical application.
4. Apart from the preventive maintenance mentioned in the tender clause 5.1, Preventive maintenance as per the manufacturer's recommendation shall be done at free of cost in warranty and CMC period. All parts required for the preventive maintenance shall be replaced at free of cost.