



Running Contract Details	
Equipment Name	Neonatal Ventilator
Running Contract Valid Till	01-05-2021
Tender Ref No	KMSCL/EP/T288/85/2018(R)
Tendered Quantity	25
Supplier Name	M/s Schiller Healthcare India Pvt. Ltd
GST No	34AADCS5091B1ZN
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	
Schiller Healthcare India Pvt Ltd 37/1013 2nd Floor Unidec House Fathima Church Road Elamkulam Kochi-682020	Contact Person	Mr.Stijo Mathew , Mr. P.S Vidhyashankar
	Phone	04842203264
	Mobile No	09846706787, 09383620520
	Email	stijo@schillerindia.com, vidyashankar@schillerindia.com, mail@schillerindia.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Neonatal Ventilator <i>Model & Make : Graphnet Neo / Tecme S.A</i>	1254954.4 Incl.GST :12%	92552.89	1347507.29
2	O2 Pressure Regulator with 5 meter hose(Conversion Kit)	6160 Incl.GST :12%	454.3	6614.3
3	Flow Sensor(Reusable)	2968 Incl.GST :12%	218.89	3186.89
		1264082.4	93226.08	1357308.48

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
Neonatal Ventilator							
Labour	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Comprehensive	25,600.00	25,600.00	25,600.00	25,600.00	25,600.00	25,600.00	25,600.00

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 :Neonatal Ventilator

1. Advanced microprocessor based continuous flow – pressure limited time cycled dedicated neonatal ventilator for very low body weight infants (premature, newborn)- 450gm to 20Kg.
2. The neonatal ventilator should have the following ventilation modes: CMV, Assist control, SIMV, CPAP and PSV. Volume Guarantee (alternate modes are not acceptable) should possible in Assist control and SIMV or equivalent mode..
3. Monitor with LCD/TFT graphical display for real time simultaneous display of two waveforms. Should display minimum 3 graphs and 2 loops and may not simultaneously.
4. Should have settings for
 - a. Peak Inspiratory Pressure : 0 – 50 cmH2O
 - b. PEEP : 0 – 20 cmH2O
 - c. Fraction of inspired oxygen : 21 – 100%
 - d. Inspiratory Time : 0.1 – 3 sec
 - e. Expiratory Time : 0.2 – 25 sec or automatic
 - f. Inspiratory flow : 1 – 30Lpm
 - g. Base flow : 1 – 20 lpm
 - h. Volume guarantee : 2 - 100ml
 - i. Respiratory Rate : 5 - 150 bpm
 - j. Tidal volume range : 2 - 100 ml
5. Should have real time monitoring for:

- a. Pressure – Peak, Plateau, Mean, PEEP
- b. Expired Tidal Volume (Monitored), Expired Minute Volume, leakage in %.
- c. Frequency/Rate – Set (Inspiratory), Spontaneous MV in %, total, I.E ratio
- d. FiO₂, Pressure and Flow wave forms and loops
- e. Should have lung Mechanics monitoring with numeric display of Resistance, compliance, lung over distension index (C20/C) to avoid lung over distension, Time Constant Tc, RVR.
6. Should have battery / UPS backup of minimum one hour operating time for ventilator.
7. Should have automatic compliance and leak compensation for circuits and ET tubes.
8. Should have backup ventilation / apnea alarm in CPAP/PSV.
9. Expiratory Transducer/ sensor/ valves should be sterilizable and reusable.
10. Should have automatic alarm settings.
11. It should have trending of measured parameters – 12Hrs
12. MV alarm can be manually adjusted along with audio and visual alarms for:
 - a. High/low pressure
 - b. High/low Minute Volume/Tidal Volume
 - c. Apnoea alarm
 - d. Compressor failure
 - e. Failure of Sensor's
 - f. Tube obstruction
 - g. Power failure
 - h. Ventilator failure
13. Standard accessories (for each equipment)
 - a. Modular corrosion free Original Trolley
 - b. Silicon patient circuit with Y piece sensor for neonates – 2 Set
 - c. Servo controlled humidifier with heated wire type and reusable chamber.
 - d. Temperature probe & adaptor - 2 nos
 - e. Flow sensor - Reusable - 2 no's
 - f. Ultrasonic Nebuliser with <5µ particle size
 - g. Original Hinged arm for rail (support for patient circuit)
 - h. Neonatal Test Lung -2Nos

- i. Servo heated Humidifier with Temp Display - 1no
 - j. Hose for O2 connection - 5 mts
 - k. Hose for compressed air - 5 mts
 - l. Hose plug for O2 and air - 2 on each
 - m. O2 pressure regulator with 5 meters hose (conversion kit) - 1 no. Price shall be quoted as optional as per the BOQ. The rate offered will be taken for evaluation.
 - n. Expiratory Valve per ventilator - 2 nos
14. Should have a Gas delivery system by soundless (not more than 50 decibel at 1 meter distance) external integrated compressor from the same manufacturer of ventilator. In case of compressor failure it should also be operable with compressed air/oxygen supply of 45 to 60 psi.
15. 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.
16. The PM KIT shall be replaced at free of cost during the warranty and CMC period when ever required as per the recommendation of manufacturer.
17. Trolley/ Cart mounting for easy transport.
18. Should work with input 200 to 240Vac 50 Hz supply.
19. 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 ETRL
20. PEEP valve should be built in
21. Patient circuit should have a separate inspiratory and expiratory limb with water traps.
22. The unit rate of Flow sensor shall be quoted separately which will not be taken for evaluation. The rate quoted will be freezed for a period of 3 years.
23. Should have proximal sensor for real time monitoring of flow at Y-piece with heated wire anemometer type sensor.