



Running Contract Details	
Equipment Name	Impulse Oscillometry
Running Contract Valid Till	27-06-2024
Tender Ref No	KMSCL/EP/T434/1593/2021
Tendered Quantity	5
Supplier Name	M/s GENWORKS HEALTH PRIVATE LIMITED
GST No	29AAF CG8949N1ZM
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 3 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
522-524 5th Floor Gamma Block Soft Sigma Tech Park Ramagondanahalli Varthur Hobli Bangalore-560066	Contact Person	Mr. Premkumar R E
	Phone	
	Mobile No	9940162163
	Email	premkumar@genworkshealth.com,governme ntbusiness@genworkshealth.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Impulse Oscillometry <i>Model & Make : Vyntus IOS/Vyaire Medical Inc</i>	835999.36 Incl.GST :12%	61654.95	897654.31
		835999.36	61654.95	897654.31

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
Impulse Oscillometry							
Labour	14,928.00	15,675.00	16,458.00	17,281.00	18,145.00	19,053.00	20,005.00
Comprehen sive	28,857.00	31,350.00	32,917.00	34,563.00	36,291.00	38,106.00	40,011.00

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 :Impulse Oscillometry

1. Should be PC Based , Easy to setup, Install, Calibrate and Light weight equipment that is easy to move around
2. Should be based on Forced Oscillation technique (FOT) for clinical evaluation of pulmonary diseases related to central and peripheral airway under tidal breathing conditions which uses Single Frequency/Multiple Frequency/ PRN Waveform (5 Hz to 40 Hz)
3. Should be non-invasive device which and can be accessed from a windows Based Laptop/Desktop PC.
4. Should be based on sinusoidal excitation or sum of sinusoidal waves in several frequencies(5 Hz to 20 Hz)
5. Should have Parameters calculated at different frequencies which give measures of different regions in the lungs (lower frequencies = alveoli and higher frequencies =larger airways)
6. Should characterize the respiratory impedance and its two components, resistance (Rrs)and reactance (Xrs)
7. Should be based on Clinically proven forced Oscillation Technique (FOT), Designed as per ERS Guidelines
8. Should be based on Tidal breathing hence requires no complex manoeuvre or forced breathing
9. Should be ideal for all kinds of patients (especially for paediatrics, geriatrics, post surgical cases uncooperative patients, etc)
10. Should Complete the test in about 36 seconds
11. The device should use international available predicted equation
12. Should provide unique information about lung mechanics and assess small airway obstructions
13. Should be able to detect early signs of COPD and consequences of smoking
14. Should be useful in the diagnosis of:
 - a. Chronic Lung Disease(CLD)
 - b. Occupational Lung Disorders
 - c. Intrapulmonary Restriction
 - d. Extrapulmonary Restriction
 - e. Bronchodilator Responses
 - f. Bronchoconstrictor Responses
15. The Flow Measurement Pneumotach should have
 - a. Mouth Pressure range +/-2kpa
 - b. Pressure Transducer Piezo-Resistive
 - c. Testing Signal Mode Frequency (6,10,14,20Hz)and Multi Frequency (6-12-20)
 - d. Accuracy +/-10%
16. Should have auto Calibration +auto-Zeroing of the sensors before each test + calibration check with a test object(reference Impedance)
17. Should have major parameters Impedance (Zrs), Resistance(Rrs) ,Reactance (Xrs), Resonance Frequency (Fres)
18. Should have connectivity through USB Port
19. Should have a metal arm for the flowmeter.

20. Should work on Power Supply of 230 volts AC
21. Design should be as per IEC 60601-1,1-2 and ERS guidelines
22. Rrs5: Measures smaller – airway obstruction at peripheral region
23. Rrs 12: Measures middle – airway obstruction between central and peripheral region
24. R20: Measures larger- airway obstruction at central region
25. X5: Measures the lungs elasticity
26. Resonance Freq(Hz): High frequency for smaller airway diseases
27. Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission/ FDA (US). Copy of the certificate shall be produced along with the technical bid
28. Manufacturer should have ISO 13485 certification