

PP. Ref. No: AHEAD/SUSL/FOM/2018/09

Supplying & Installation, Commissioning And Maintenance of Laboratory  
Equipment for Laboratories of Histology & Anatomy, Physiology and  
Biochemistry of The Faculty of Medicine,  
Sabaragamuwa University Of Sri Lanka

## **LABORATORY EQUIPMENT**

**PRICE SCHEDULE FOR EQUIPMENT - LABORATORY EQUIPMENT**

1	2	3	4	5	6	7	8	9	10
	<b>Goods and related Services offered within Sri Lanka (in Sri Lankan Rupees)</b>								
	<b>A</b>								
Item No.	Description of Goods or related services	Qty and unit	Unit price (inclusive of duties, sales and other taxes) without VAT	Price per line item (Col. 3x4)	Inland transportation, insurance and other related services to deliver the goods to their final destination if not included under column 4	Total Price before VAT (Col 5+6)	Discounted Total price (if any) before VAT	VAT	Total Price after VAT (Col. 7 or 8+9)
1.	Heating Mantle (500 ml)	02							
2.	Heating Mantle (1000 ml)	02							
3.	Hand held Dynamometer	01							
4.	Ophthalmoscope	04							
5.	Oroscope	01							
6.	Osmo – meter	01							
7.	Perimeter	01							
8.	Sahli Haemoglobinometer	05							
9.	Stethoscope	20							
10.	Audio meter	01							
11.	BP (Sphygomomanometer) - Mercury	20							
12.	BP (Sphygomomanometer) – Non - Mercury	04							
13.	Glucometer with strips	05							
14.	Bicycle Ergo Meter	02							
15.	Treadmil	01							
16.	Evoke Potential Recording System	01							
17.	Patient Bed	02							
18.	Peak Flow Meter	04							
19.	Set of Pseudo-Isochromatic Plates	04							
20.	Spiro meter	02							
21.	Two point Discriminator / Divider	01							
22.	Urine Strip Reader	02							
23.	Slide Forceps 1 set	01							

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.....  
Name of the Company

.....  
Signature of the Bidder

.....  
Date

***TECHNICAL SPECIFICATIONS***

Item # and Name	Component Description	Minimum Specifications	Bidder's Response (Yes/No)	If "No" comment/s on the offer
01. Heating Mantle- 500 mL		Brand Name (Please specify)		
		Model (Please specify)		
		Country of Origin (Please specify)		
		Country of Manufacture (Please specify)		
		Product Brochure (Please specify)		
		Manufacture Authorization & ISO (Please specify)		
		Warranty (Please specify)  The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
		The unit should have provision to thermostatically control the temperature.		
		It should have built-in power controller with a 1-10 scale.		
	Features a chemical resistant housing made of aluminum or better material and should be "safe to the touch" even while in use.			

		The unit should be able to incorporate a heating element suspended within a ceramic fiber insulating material for safe heat transfer. The interior should be able to softly nest glass vessels and reduce the chance of thermal shock.		
		Ability to heat to maximum temperature of 842°F (450°C).		
		The unit should have an adjustable timer.		
		The unit should be able to accommodate 500 mL round bottomed flasks.		
		The unit shall be able to be cleaned and maintained easily.		
		The unit shall be fire resistant.		
		Should have two colored lights indicate "power on" and "heat on."		
		The stainless steel grounding screen provides added protection against shock in the event of spillage or flask breakage.		
		The flask should not come in direct contact with the heating element via a grounded earth screen plus double fuse protection provides maximum safety		
		The unit should comply to Electrical requirement of 240V / 50Hz		
02. Heating Mantle- 1000 mL		Brand Name (Please specify)		
		Model (Please specify)		
		Country of Origin (Please specify)		
		Country of Manufacture (Please specify)		
		Product Brochure (Please specify)		
		Manufacture Authorization & ISO (Please specify)		

	Warranty (Please specify) The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
	The unit should have provision to thermostatically control the temperature.		
	It should have built-in power controller with a 1-10 scale.		
	Features a durable, chemical resistant housing made of aluminum or better material that is "safe to the touch" even while in use.		
	Ability to maximum temperature of 842°F (450°C).		
	The unit should have an adjustable timer.		
	The unit should be able to accommodate 1000 mL round bottomed flasks.		
	The unit shall be able to be cleaned and maintained easily.		
	The unit shall be fire resistant.		
	Should have two colored lights indicate "power on" and "heat on."		
	The unit should incorporate a heating element suspended within a ceramic fiber insulating material for safe heat transfer. The interior should be able to softly nest glass vessels and reduce the chance of thermal shock.		
	The stainless steel grounding screen provides added protection against shock in the event of spillage or flask breakage.		
	The flask should not come in direct contact with the heating element via a grounded earth screen plus double fuse protection provides maximum safety		
	The unit should comply to Electrical requirement of 240V / 50Hz		

03.Hand held dynamometer	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
	Measurement scale - 0 – 500 Newton		
	Accuracy load cell - 0,1% (maximum)		
	Accuracy display - 0,1% (full scale)		
	Power - 2 pieces 544 6.2 volt batteries		
	Operation - One button (on/reset)		
	auto shut-off after 15 seconds		
	Display - 4-digit display with low battery-indication		
	Dimensions - Ca 150 x 85 x 85 mm		
	Weight – 250 grams		
	Delivered applicators - - finger applicator (to be used for little surfaces)		
- ‘arm’ applicator (to be used for larger surfaces)			
- flat applicator (to measure flat surfaces)			

	Available applicators –		
	- fist grip applicator		
	- pinch grip applicator		
	- pain pressure applicator		
04. Ophthalmoscope	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	• Should be rechargeable battery with Charger / mains operated.		
	• Should have halogen / LED light source		
	• Should have red-free filters		
• Should have small and large spot sizes, fixation targets, slit aperture, hemi-spot and cobalt blue filter			
• Should have wheel control with lens powers ranging from +20D to -35D in single diopter steps up to 10D and 5D steps above that.			

	<ul style="list-style-type: none"> <li>• Should have illuminated lens dial.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have rubber brow rest.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have dust free optics and a spherical optical system</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should be supplied with a carrying case.</li> </ul>		
	<ul style="list-style-type: none"> <li>• If halogen lamp is used, then the following additional accessories should be supplied <ul style="list-style-type: none"> <li>▪ Bulb – 1 no</li> <li>▪ Bulb holder</li> <li>▪ Bulb cover</li> </ul> </li> </ul>		
05. Oroscope	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	<ul style="list-style-type: none"> <li>• Die-cast housing of copper-aluminum alloy, chrome coated</li> </ul>		
	<ul style="list-style-type: none"> <li>• Measurement temperature without ATC: 20 °C</li> </ul>		



	<ul style="list-style-type: none"> <li>• Measurement temperature range with ATC: 10 °C – 30 °C or better</li> </ul>		
	<ul style="list-style-type: none"> <li>• Packing dimensions WxDxH 215x94x65 mm (depending on the model)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Dimensions of the box: 205x75x55 mm (depending on the model)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Product length: approx. 130 – 200 mm (depending on the model)</li> </ul>		
06. Osmo - meter	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
	<ul style="list-style-type: none"> <li>• Freezing point Osmometer with linear measuring range between 0 and 3000 mOsmol/kg with LCD screen for convenience in operation</li> </ul>		
	<ul style="list-style-type: none"> <li>• Sample volume range should be 15 - 50 µl. Measurement within a minute for handling higher workloads and serial measurements</li> </ul>		
<ul style="list-style-type: none"> <li>• Facility for selection of two or three point calibration with provision for automatic calibration.</li> </ul>			

	Calibration should be stable for long period.		
	<ul style="list-style-type: none"> <li>Should have capability for measurement of crystallization temperature with high resolution for calculation of results precisely and with high repeatability.</li> </ul>		
	<ul style="list-style-type: none"> <li>Sample cooling with high capacity air cooled peltier, without need for cooling liquid for dissipation of heat, or involving maintenance.</li> </ul>		
	<ul style="list-style-type: none"> <li>have automation with (i) initiation of the crystallization, (ii) detection of measuring value, (iii) storage and (iv) calibration for reproducible results.</li> </ul>		
	<ul style="list-style-type: none"> <li>Resolution of measurement should be one mOsmol/kg or better over the entire range of measurement; and reproducibility should be within 2mOsmol/kg or better over the range of 0 to 400 mOsmol/kg, and at least 4 mOsmol/kg in the range of 400 to 3000 mOsmol/kg.</li> </ul>		
	<ul style="list-style-type: none"> <li>Quality management assistance shall be available for compliance with regulations.</li> </ul>		
	<ul style="list-style-type: none"> <li>Shall be offered with dedicated external quality control software covering calibration, control and result validation with full audit trail.</li> </ul>		
	<ul style="list-style-type: none"> <li>System should be complete with <ul style="list-style-type: none"> <li>(i) consumables to run 500 samples including sample cups, calibrators, controls and</li> <li>(ii) recommended maintenance kit for Trouble free operation and</li> <li>(iii) suitable stabiliser.</li> </ul> </li> </ul>		

07. Perimeter		Brand Name <i>(Please specify)</i>		
		Model <i>(Please specify)</i>		
		Country of Origin <i>(Please specify)</i>		
		Country of Manufacture <i>(Please specify)</i>		
		Product Brochure <i>(Please specify)</i>		
		Manufacture Authorization & ISO <i>(Please specify)</i>		
		Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
		<ul style="list-style-type: none"> <li>• Maximum temporal range (degrees) - 60° (monocular) / 160° (binocular) or better</li> </ul>		
		<ul style="list-style-type: none"> <li>• Stimulus duration (ms) – 200</li> </ul>		
		<ul style="list-style-type: none"> <li>• Stimulus size - Goldmann III</li> </ul>		
		<ul style="list-style-type: none"> <li>• Visual field testing distance (cm) – 25</li> </ul>		
		<ul style="list-style-type: none"> <li>• Stimulus intensity (maximum) – 10,000 ASB</li> </ul>		
		<ul style="list-style-type: none"> <li>• Background illumination – 31.5 ASB</li> </ul>		
		<ul style="list-style-type: none"> <li>• Suprathreshold – single stimulus - 3 levels (26, 68, 136 points)</li> </ul>		
		<ul style="list-style-type: none"> <li>• Suprathreshold – Multiple stimulus - 3 levels (26, 68, 136 points)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Esterman (Driving) - Groups 1 and 2 (EU standard)</li> </ul>			

	<ul style="list-style-type: none"> <li>• Customised tests - Test locations can be manually added to all suprathreshold tests</li> </ul>		
	<ul style="list-style-type: none"> <li>• ZATA Standard – threshold central - 10-2;24/30-2 (extendable in-test)</li> </ul>		
	<ul style="list-style-type: none"> <li>• ZATA Fast – threshold central - 10-2;24/30-2 (extendable in-test)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Suprathreshold – single - ~90 seconds per eye</li> </ul>		
	<ul style="list-style-type: none"> <li>• Suprathreshold – multiple stimulus - &lt;60 seconds per eye</li> </ul>		
	<ul style="list-style-type: none"> <li>• ZATA Standard – threshold central - ~4 minutes per eye</li> </ul>		
	<ul style="list-style-type: none"> <li>• Fixation target - Single or 4-point LED diamond pattern</li> </ul>		
	<ul style="list-style-type: none"> <li>• Heiji-Krakau –</li> </ul>		
	<ul style="list-style-type: none"> <li>• Video eye monitor –</li> </ul>		
	<ul style="list-style-type: none"> <li>• Patient management database - MS Windows compatible; networkable</li> </ul>		
	<ul style="list-style-type: none"> <li>• Practice management integration - EMR compatibility (parameter passing and text file)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Hemifield Analysis –</li> </ul>		
	<ul style="list-style-type: none"> <li>• Progression Analysis –</li> </ul>		
	<ul style="list-style-type: none"> <li>• HFA data import –</li> </ul>		
	<ul style="list-style-type: none"> <li>• Languages - ENG, CHI, key European languages</li> </ul>		
	<ul style="list-style-type: none"> <li>• DICOM - (images)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Database backup - Removable, network or cloud storage</li> </ul>		
	<ul style="list-style-type: none"> <li>• Weight (kg) – 13.5</li> </ul>		

	<ul style="list-style-type: none"> <li>Measures (W x D x H / mm) - 440 x 400 x 452</li> </ul>		
	<ul style="list-style-type: none"> <li>Mains operated –</li> </ul>		
	<ul style="list-style-type: none"> <li>Medical device - Class 1</li> </ul>		
	<ul style="list-style-type: none"> <li>Applied part - Type B</li> </ul>		
	<ul style="list-style-type: none"> <li>CE</li> </ul>		
	<ul style="list-style-type: none"> <li>FDA</li> </ul>		
08. Sahli Haemoglobinometer	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	<ul style="list-style-type: none"> <li>Kit consists of Comparator Holder black. The back of the holder is fitted with milky colour acrylic screen. In front of the holder there are three windows. The two side windows are fitted with colour standard strips. The middle window is meant for the square tube for colour comparison.</li> </ul>		

	<ul style="list-style-type: none"> <li>The dimensions of the windows: height 3 cms. Appox, width 0.5 cm appox.</li> </ul>		
	<ul style="list-style-type: none"> <li>Square H.B. Tubes : 2</li> </ul>		
	<ul style="list-style-type: none"> <li>H.B. Pipettes : 1</li> </ul>		
	<ul style="list-style-type: none"> <li>Amber colour glass bottle : 1</li> </ul>		
	<ul style="list-style-type: none"> <li>Glass Stirrer : 1</li> </ul>		
	<ul style="list-style-type: none"> <li>Dropper with teat : 1</li> </ul>		
	<ul style="list-style-type: none"> <li>Cleaning Brush : 1</li> </ul>		
	<ul style="list-style-type: none"> <li>Spare latex tubing one meter :1</li> </ul>		
09. Stethoscope	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	<ul style="list-style-type: none"> <li>Chrome-plated. Dual-head chest piece</li> </ul>		

		<ul style="list-style-type: none"> <li>• 48 mm chest-piece has white diaphragm</li> </ul>		
		<ul style="list-style-type: none"> <li>• Complete with 2 spare ear tips and a spare diaphragm</li> </ul>		
10. Audio meter		Brand Name <i>(Please specify)</i>		
		Model <i>(Please specify)</i>		
		Country of Origin <i>(Please specify)</i>		
		Country of Manufacture <i>(Please specify)</i>		
		Product Brochure <i>(Please specify)</i>		
		Manufacture Authorization & ISO <i>(Please specify)</i>		
		Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
		<ul style="list-style-type: none"> <li>• Should be Completely Digital - No Frequent Calibrations</li> </ul>		
		<ul style="list-style-type: none"> <li>• Pocket Size compact unit interfaced with pc</li> </ul>		
		<ul style="list-style-type: none"> <li>• Automatic Synchronized Tone &amp; Masking</li> </ul>		
		<ul style="list-style-type: none"> <li>• Automatic calculation of Speech Scoring</li> </ul>		
		<ul style="list-style-type: none"> <li>• TDH 49 Head Phones</li> </ul>		
		<ul style="list-style-type: none"> <li>• With suitable Computer &amp; Printer</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have facility for AC, BC and Speech Audiometry</li> </ul>			
	<ul style="list-style-type: none"> <li>• No of Channel: 2</li> </ul>			

	<ul style="list-style-type: none"> <li>• Tone: Normal, Pulsed, Warble (Frequently Modulated 5% rate 5 Hz)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Frequency Range:- Air conduction 125 – 8000Hz Bone Conduction 250 – 80000Hz</li> </ul>		
	<ul style="list-style-type: none"> <li>• Special Tests: - ABLB SISI with increment 1-2-3-4-5 dB DECAY Test BEKESY</li> </ul>		
	<ul style="list-style-type: none"> <li>• Intensity Range (Pure Tone) TDH 49 120db HL/95 db (NBM)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Intensity Range (Speed Audiometry)</li> </ul>		
	<ul style="list-style-type: none"> <li>• TDH 49 100 dB HL/95 dB HL (SN – WN)</li> </ul>		
	<ul style="list-style-type: none"> <li>• Optional Should be upgradable to High Frequency Audiometry Should be upgradable to Free Field Audiometry Should have an option to Insert EAR PHONE.</li> </ul>		
11. BP (Sphygmomanometer) - Mercury	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		



	Warranty <i>(Please specify)</i>		
	The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	<ul style="list-style-type: none"> <li>• Wall type</li> </ul>		
	<ul style="list-style-type: none"> <li>• Mercury</li> </ul>		
	<ul style="list-style-type: none"> <li>• Supplied with Bladder, Bandage cuff in Adult size, Control valve &amp; Inflation bulb</li> </ul>		
	<ul style="list-style-type: none"> <li>• Including basket</li> </ul>		
	<ul style="list-style-type: none"> <li>• 0-300 mmHg manometer</li> </ul>		
	<ul style="list-style-type: none"> <li>• Diameter – 150 mm</li> </ul>		
	<ul style="list-style-type: none"> <li>• Steel hinge pivots</li> </ul>		
	<ul style="list-style-type: none"> <li>• Lightweight die-cast case</li> </ul>		
	<ul style="list-style-type: none"> <li>• Shatterproof plastic manometer tube</li> </ul>		
	<ul style="list-style-type: none"> <li>• Mercury reservoir isolation valve</li> </ul>		
	<ul style="list-style-type: none"> <li>• Warranty – 01 Year</li> </ul>		
12. BP (Sphygmomanometer) - Non - Mercury	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		

	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	<p>Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part &amp; labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity</p>		
	<ul style="list-style-type: none"> <li>• 0-300 mmHg manometer</li> </ul>		
	<ul style="list-style-type: none"> <li>• Diameter – 150 mm</li> </ul>		
	<ul style="list-style-type: none"> <li>• Supplied with Bladder, Bandage cuff in Adult size, Control valve &amp; Inflation bulb</li> </ul>		
	<ul style="list-style-type: none"> <li>• Newflexible shock mount resists damage to gauge</li> </ul>		
	<ul style="list-style-type: none"> <li>• Clear white face with sharp black scale</li> </ul>		
	<ul style="list-style-type: none"> <li>• Dark Colour pointer gives precise indication</li> </ul>		
	<ul style="list-style-type: none"> <li>• Fitted with bandage style latex free cuff</li> </ul>		
	<ul style="list-style-type: none"> <li>• Tough bright white Metal construction with cuff basket and handle</li> </ul>		
	<ul style="list-style-type: none"> <li>• Lightweight and easy to clean</li> </ul>		
	<ul style="list-style-type: none"> <li>• Warranty – 01 Year</li> </ul>		
13. Glucometer with Strips	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		

	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	<p>Warranty <i>(Please specify)</i></p> <p>The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part &amp; labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity</p>		
	<ul style="list-style-type: none"> <li>• Should be a hand held meter</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should require no routine maintenance</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have reading range/linearity from 20 to 600 mg/dl</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have a maximum reading time of less than 10 seconds.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should use electrochemical technology</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should use a minimum blood sample less than 1.5µl</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have a LCD display</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have measuring unit in mg/dl.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have wide operating temperature</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have a minimum memory of 50</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have life time replacement offer</li> </ul>		
	<ul style="list-style-type: none"> <li>• Should have easy code entry technique</li> </ul>		

		<ul style="list-style-type: none"> <li>Battery should be replaceable without using any tools.</li> </ul>		
		<ul style="list-style-type: none"> <li>Should have facility to ensure accuracy of measurements.</li> </ul>		
		<ul style="list-style-type: none"> <li>Should be supplied with three types of control solutions of each at least 20 ml</li> </ul>		
		<ul style="list-style-type: none"> <li>Should have safety certificate from a competent authority CE / FDA (US) / STQC      CB</li> </ul>		
		<b>GLUCOSE STRIPS</b>		
		<ul style="list-style-type: none"> <li>Should be able to use capillary blood samples.</li> </ul>		
		<ul style="list-style-type: none"> <li>Should have a minimum 4 months shelf life after opening the strip vial.</li> </ul>		
		<ul style="list-style-type: none"> <li>All strips should have at least one year expiry date from the date of supply.</li> </ul>		
		<ul style="list-style-type: none"> <li>50 strips should be supplied along with the equipment.</li> </ul>		
		<ul style="list-style-type: none"> <li>Strips should be available in the local market.</li> </ul>		
14.		Brand Name <i>(Please specify)</i>		
Bicycle Ergo meter		Model <i>(Please specify)</i>		
		Country of Origin <i>(Please specify)</i>		
		Country of Manufacture <i>(Please specify)</i>		
		Product Brochure <i>(Please specify)</i>		
		Manufacture Authorization & ISO <i>(Please specify)</i>		

	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
	Console 7.5" Blue Backlit LCD w/ Integrated Reading Rack		
	Console feedback RPM, Calories, Time, Distance, Pulse, Level, Speed, Segment Time, Program Name, Watts, and Laps		
	"Heart Rate Contact & Telemetric; Heart Rate Strap included Resistance 20 Levels"		
	Drive Train Poly-V Belt w/Self-Tensioner		
	Power Plug-In, 24V		
	Fly Wheel 30 lbs., Steel		
	Seat Adjustment High density foam Easy-Ratchet w/ full Fore/Aft Seat		
	Crank 3-Piece, Cold-Forged Steel, Case-Hardened Axle & Commercial-Grade Sealed Bearings		
	Frame Heavy-Gauge, High-Strength Steel w/ Durable Powder-Coat Paint		
	Dimension 42" x 21" x 53"		
	Product Weight 115 lbs		
	Maximum User Weight 325 lbs		
15.	Brand Name <i>(Please specify)</i>		

Treadmill				
		Model <i>(Please specify)</i>		
		Country of Origin <i>(Please specify)</i>		
		Country of Manufacture <i>(Please specify)</i>		
		Product Brochure <i>(Please specify)</i>		
		Manufacture Authorization & ISO <i>(Please specify)</i>		
		Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
		Console Feedback Time, Distance, Speed, Elevation, Calories, Pace,		
		Altitude, Laps, Segment Time, and Heart Rate		
		Console 9" Blue Backlit LCD w/ Tablet Friendly Reading Rack		
		Heart Rate Contact & Telemetric; Heart Rate Strap included		
		Quick Access Keys		
		Speed .5 to 12 mph		
		Incline 15 Levels		
		Drive Motor 3.5 HP – DC Motor		
	Deck 1" Waxed Deck, Double Sided, Non-Folding			

	Belt 22" x 60", 2 ply (2.5mm)		
	Rollers 3.0" / 3.0" (Crowned)		
	Cushioning 6 Cushions (rear rigid mount)		
	Handrails Short Lateral, Incline & Speed controls on handlebars		
	Frame Commercial-Grade Structural Steel w/ Durable Powder-Coat Paint		
	Dimensions 78" x 31.9" x 56.1"		
	Product Weight 269 lbs.		
	Max.User Weight 425 lbs.		
16. Evoke Potential recording system	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
17.	Brand Name <i>(Please specify)</i>		

Patient Bed	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	Size 2030*900*500mm		
	Structure Material: plastic-sprayed steel or powder coated steel		
	Bed surface: cold-rolling steel		
	Angle of backrest: 0-75		
	Castor: optional, dia. 125mm individual brake castor		
	Handle crank: 1 pc steel handle crank		
	Certificate: ISO9001,ISO13485		
	OEM Acceptable		
18. Peak flow meter	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		



	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 12 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	PEF :Range 15 - 999 L/min (1 L/min resolution) or better		
	FEV1 /FEV6 :Range 0.15 - 9.99 Litre (0.01 Litre resolution)		
	Accuracy :PEF: $\pm 5\%$ or 20 L/min (whichever is greater)		
	FEV1 : $\pm 3.5\%$ or 0.1 Litre (whichever is greater)		
	FEV6 : $\pm 4\%$ or 0.1 Litre (whichever is greater)		
	Sensor :Pressure/flow sensor technology		
	Non-volatile Memory : 96 patient test scores or better		
	Colour zone :3 colour zone (green, yellow, red or similar)		
	Reference values :User settable		
	Quality factor :Warning& indicator for cough or abnormal blow		
	Communication :Bi-directional IR port (RS232 format)		

		Manufacturing Standard ISO9001 EN 13485 Power Supply batteries must be provided		
		Disposable Mouthpieces must be provided (100 x2)		
19. Set of Pseudo- isochromatic plates		Brand Name <i>(Please specify)</i>		
		Model <i>(Please specify)</i>		
		Country of Origin <i>(Please specify)</i>		
		Country of Manufacture <i>(Please specify)</i>		
		Product Brochure <i>(Please specify)</i>		
		Manufacture Authorization & ISO <i>(Please specify)</i>		
		Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
		Ishiharas Type Tests For Colour - Blindness 38 plates Latest Edition		
20. Spirometer		Brand Name <i>(Please specify)</i>		
		Model <i>(Please specify)</i>		
		Country of Origin <i>(Please specify)</i>		
		Country of Manufacture <i>(Please specify)</i>		
		Product Brochure <i>(Please specify)</i>		
		Manufacture Authorization & ISO <i>(Please specify)</i>		
		Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24		

	calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	<ul style="list-style-type: none"> <li>• Power - AC power and battery backup required</li> </ul>		
	<ul style="list-style-type: none"> <li>• Dimension - Should be specified able to keep on a trolley</li> </ul>		
	<ul style="list-style-type: none"> <li>• Interface - USB and Bluetooth</li> </ul>		
	<ul style="list-style-type: none"> <li>• Display - Should be touch and color Display</li> </ul>		
	<ul style="list-style-type: none"> <li>• Working Condition - Temp 0 - 40 °C/ 32 - 104 °F <ul style="list-style-type: none"> <li>a. Rel. Humidity 5 - 90%</li> <li>b. Athmosph. Pressure 700 -1060 hPa</li> </ul> </li> </ul>		
	<ul style="list-style-type: none"> <li>• Printer - Direct to printer or with software</li> </ul>		
	<ul style="list-style-type: none"> <li>• Paper width - 112/A4 trough USB</li> </ul>		
	<ul style="list-style-type: none"> <li>• Paper type - roll/A4</li> </ul>		
	<ul style="list-style-type: none"> <li>• Printer type – Laser Printer</li> </ul>		
	<ul style="list-style-type: none"> <li>• Tests - FVC Pre/post FVL SVC Pre/Post MVV DLCO MBW RV TLC FRC</li> </ul>		
	<ul style="list-style-type: none"> <li>• BTPS correction – Required</li> </ul>		
	<ul style="list-style-type: none"> <li>• Inspire/Expire – Required</li> </ul>		

	<ul style="list-style-type: none"> <li>• Pre-Post broncho test – Required</li> </ul>		
	<ul style="list-style-type: none"> <li>• Stored Record – Required</li> </ul>		
	<ul style="list-style-type: none"> <li>• Interpretation – Required</li> </ul>		
	<ul style="list-style-type: none"> <li>• Child incentive - Should be have child incentive and can be done test above age 04 years</li> </ul>		
	<ul style="list-style-type: none"> <li>• Type - Ultrasonic transit time</li> </ul>		
	<ul style="list-style-type: none"> <li>• Flow Range - <math>\pm 16</math> l/s</li> </ul>		
	<ul style="list-style-type: none"> <li>• Flow Resolution – 4 ml/s</li> </ul>		
	<ul style="list-style-type: none"> <li>• Flow Accuracy (except PEF) - <math>\pm 2\%</math> or 0.020 l/s</li> </ul>		
	<ul style="list-style-type: none"> <li>• PEF Accuracy - <math>\pm 5\%</math> or 0.200 l/s</li> </ul>		
	<ul style="list-style-type: none"> <li>• MVV Accuracy - <math>\pm 5\%</math> or 5 l/min</li> </ul>		
	<ul style="list-style-type: none"> <li>• Volume Range - <math>\pm 12</math> l</li> </ul>		
	<ul style="list-style-type: none"> <li>• Volume Resolution – 1 ml</li> </ul>		
	<ul style="list-style-type: none"> <li>• Volume Accuracy - <math>\pm 2\%</math> or 0.050 l</li> </ul>		
	<ul style="list-style-type: none"> <li>• Resistance - 0.3 cm H<sub>2</sub>O/l/s at 16 l/s</li> </ul>		
	<ul style="list-style-type: none"> <li>• Safety Standard - EN ISO 9001, EN ISO 13485 <ul style="list-style-type: none"> <li>i. EN ISO 14971, EN 62366,</li> <li>ii. EN 62304, EN ISO 26782,</li> <li>iii. EN ISO 23747, IEC 60601-1 ,</li> <li>iv. IEC60601-1-2, ATS/ERS 2005,</li> <li>v. NIOSH/OSHA, SSA Disability</li> </ul> </li> </ul>		
	<ul style="list-style-type: none"> <li>• SPIROMETRY Standard - ATS/ ERS 2005, NIOSH, OSHA</li> </ul>		

	<ul style="list-style-type: none"> <li>• US FDA - 510K market clearance</li> </ul>		
	<ul style="list-style-type: none"> <li>• Calibration and warm-up time - the machine should be no calibration, no warm-up</li> </ul>		
	<ul style="list-style-type: none"> <li>• time, no moving parts</li> </ul>		
	<ul style="list-style-type: none"> <li>• Predicted values - indicate Sri Lankan /Asian population predicted values</li> </ul>		
	<ul style="list-style-type: none"> <li>• Warranty after commissioning - not less than 3 years</li> </ul>		
	<ul style="list-style-type: none"> <li>• Cart - Epoxy coated cart with wheels and brake system should be provided with the equipment</li> </ul>		
	<ul style="list-style-type: none"> <li>• Gas Cylinders and Regulators - Please specify</li> </ul>		
	<ul style="list-style-type: none"> <li>• Technical literature and Soft ware - Original Technical</li> </ul>		
	<ul style="list-style-type: none"> <li>• Literature and software should be provided with the unit</li> </ul>		
	<ul style="list-style-type: none"> <li>• CDDA Certificate - should be available</li> </ul>		
	<ul style="list-style-type: none"> <li>• Language - English</li> </ul>		
21. Two point discriminator / Divider	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full		

	"part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity		
	To Accurately tests static and moving two-point discrimination of fingers, toes or sensory flaps.		
	Easy rotating,		
	Comfortable plastic disks		
	standard testing intervals from 1 to 15mm apart. A 20 and 25mm spacing are also given.		
	One disk setting tests from 1 to 8mm.		
	And 9 to 15mm disk setting		
	Easy to read and use.		
	Instructions manual in English		
22. Urine Strip Reader	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i> The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include		

	servicing and preventive maintenance during the period of validity		
	Urine Strip Reader		
	Ability to detect the following Leukocytes, Nitrite, Urobilinogen, Protein, pH, Blood, Specific Gravity, Ketone Bilirubin, Glucose and Ascorbic Acid		
	Type Manual		
	Methodology- Reflectance Photometry		
	Detection- Photosensitive Diode		
	Throughput- Single Test Option: atleast50 tests/hour		
	Continuous Test Option: 100 tests/hour		
	Test Categories- Routine, STAT and QC		
	Memory Last 1000 results		
	Strip Incubation Time around 1 Minute or better		
	Wavelength of Monochromatic LED 525 nm and 635 nm (be able to detect the above mentioned parameters)		
	Default Strips for the above parameters		
	USB Port for Data Transfer		
	25 Pin Parallel Port for External Printer		
	Data Entry Capabilities Operator/Patient ID – Manual Entry and Barcode Reader (Up to 20 characters)		
	Connection Capabilities Internal Thermal Printer (included) Calibration Automatic		

	Available Languages on the Screen must be English		
	Operating Conditions 0-40°C (32-104° F); < 85% RH		
	Power Source 100-240 VAC, 50-60 Hz		
	High quality color chart ensures accurate visual reading		
	Compatible for visual and analyzer reading		
	Must be supplied with at least 200 strips		
	• at least 2 year shelf life for unopened canisters		
	• 3 month shelf life for strips in opened canisters		
	Pouch Packaging of strips preferred- individually packaged strips available in kits of 5 or 10 strips for visual reading only (includes 1 color chart) 1 year warrant		
23.Slide forceps 1 set	Brand Name <i>(Please specify)</i>		
	Model <i>(Please specify)</i>		
	Country of Origin <i>(Please specify)</i>		
	Country of Manufacture <i>(Please specify)</i>		
	Product Brochure <i>(Please specify)</i>		
	Manufacture Authorization & ISO <i>(Please specify)</i>		
	Warranty <i>(Please specify)</i>  The equipment shall be warranted for a period of not less than 24 calendar months from the date of successful commissioning on full "part & labour" basis. Such a warranty shall also include servicing and preventive maintenance during the period of validity.		
	(S/S ) 6mm , 12 mm Pointed & blunt)		



