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Ref: KNH/SCM/ADM.43

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Date: July 12, 2022

### ADDENDUM 3

**RE: ADDENDUM TO TENDER NO: KNH/T/56/2022-2023- SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF MEDICAL EQUIPMENTS**

**TO ALL BIDDERS**

Pursuant to the Public Procurement and Asset Disposal Act section 75, its attendant Regulations 2020 and Clause 10 on Amendment of Tender Documents, the Hospital wishes to make the following amendments/clarifications;

**1. SCHEDULE OF REQUIREMENTS**

The specifications have been aligned to the schedule of requirements as outlined below;

NO	Item Description	QTY	UNIT PRICE	TOTAL COST	COUNTRY OF ORIGIN	REMARKS
	Supply, Delivery, Installation, Testing And Commissioning Medical Equipment.					
1.	Point of care ultrasound	1				
2.	Central monitoring system	2				
3.	Laser Lithotripsy machine from urology	1				
4.	Stainless steel worktop benches	9				
5.	Stainless steel 3 tier trolleys	25				
6.	Stainless steel 2 tier trolleys	25				
7.	Stainless steel cooling stands	30				
8.	Stainless steel open type shelves for soft packing area					
(i)	6900mm length x 500mm width x 1800mm height.	1				

(ii)	3900mm length x 500mm width x 1800mm height	1				
(iii)	4200mm length x 500mm width x 1800mm height	1				
9.	Stainless steel lockable shelves for in packing area					
(i)	1800mm length x 400mm width x 1800mm height.	3				
(ii)	1200mm length x 400mm width x 1800mm height	2				
10.	Stainless steel 3 tier racks for cssd	2				
11.	Stainless Steel Distribution Carts	10				
13.	EMG Machine	2				
14.	Neurosurgical High Speed Drill.	3				
15.	Vital signs monitor	200				
16(i)	Oxygen Regulator with Flow-meter & Humidifier Bottle	50				
16.(ii)	Oxygen Wall Flow-meter with Humidifier Bottle	350				
17.	Drip stands	300				
19.	Bp machine adults	200				
20.	Weighing scales adult	200				
21.	Procedure trolleys	200				
22.	Ripple mattress	200				
23.	Syringe pumps	100				
25.	Plasma thawing equipment	2				
26.	Plasma Extractor	2				

27(i)	Surgeon Operating Stools with backrest	50				
27(ii)	Surgeon Operating Stools with backrest	50				
29.	Fluid warming cabinet	2				
30.	Vein viewer	5				
31.	Infusion pumps	100				
32.	Macerator	3				
33.	Cell savers	6				
34.	Phototherapy machine	1				
35.	Dermatology laser machine	1				
36.	Dialysis chairs and machine	10				
37.	Furniture					
i)	Executive Desk	2				
ii)	Orthopedic Executive Chairs	4				
iii)	Executive Cabinet	1				
iv)	Office Credenza	3				
v)	Medium Executive Desk	12				
vi)	Ergonomic executive chairs	40				
vii)	Ergonomic secretarial chairs	56				
viii)	Work station	25				
ix)	Cabinets	58				
x)	Berkley Chairs with arms	300				
xi)	Catalina (Patient) Chairs	100				
xii)	Economy Office Desks	25				

xiii)	Laboratory Stools	7				
xiv)	Conference Table	4				
xv)	Conference Chairs	46				
xvi)	Pharmacy Dispensing Stools	20				
xvii)	Aluminum ladders	20				
xviii)	Patient Benches	35				
xix)	Doctors Beds with mattresses	2				
xx)	TV Stand	1				
xxi)	Safe	1				
xxii)	Office Sofa Set	One-Seater-2 Two-Seater-1 Three-Seater-1				
38.	Linen trolleys	40				
39.	Ophthalmology set	1				
40.	4D Echo machine	2				
41.	Portable ECHO machine	2				
42.	Portable ECG machine	1				
43.	Bronchoscopy machine (peads)	1				
44.	EEG	1				
45.	Chemo chairs	5				
46.	Public address system	1				
47.	Lapel microphones	6				
48.	Lcd projector	7				
49.(i)	DSLR Video camera	1				
(ii)	DSLR still camera and vedio camera	1				
50.	Liver Transplant Sets					
(i)	Ultrasonic surgical unit	2				

	for liver resection machine					
(ii)	Liver universal abdominal retractors	2				
(iii)	Liver surgery instruments	2				
(iv)	Thromboelastogram (TEG) machine	1				
51.	Point of care ultrasound	1				
52.	Bera Machine(ENT)	1				
53.	ENT Operating Microscope	1				
54.	Pulmonary function lab equipment	1				
55.	Basic Paediatric Bronchoscopy Set	1				
56.	Incinerator (dry pan)	2				
57.	Dental Chair	2				
58.	Kidney transplant recipient set	2				
59.	Ventilation system	2				
60.	Cold rooms for farewell homes	10				
61.	IOPA AND OPG Machines	1				
62.	Commercial Printer for SN	1				
<b>TOTAL COST(KSHS)</b>						

**The schedule for specification has been amended by expunging the following specification;**

**12. TECHNICAL SPECIFICATION ULTRASONIC SURGICAL UNIT FOR LIVER RESECTION MACHINE**

1. Ultrasonic machine power rating -220-220V
2. A touch screen display that allows for the adjustment of aspiration, irrigation, and ultrasonic power to the hand piece.
3. Can be integrated with facilities wall suction.
4. Should come complete with hand pieces for liver surgery
5. Should operative on at least two (2) working frequencies in one compact unit.
6. Controlled tissue dissection while preserving nerves, blood vessels and collagen structure
7. Should be able to connect ultrasonic hand-pieces as well as ultrasonic scissors and hooks for cutting and coagulating
8. The device should provide controlled tissue dissection by preserving nerve, blood vessels and collagen structures
9. Should have cutting and coagulation effects on the tissue with special ultrasonic instruments.
10. Easy to set up and breakdown
11. The unit should work simultaneously with integrated aspiration and irrigation
12. Should have a foot switch.
13. A spare foot switch should be provided
14. Should be processor-controlled
15. Should have an automatic instrument detection with automatic pre-selection of power parameters
16. Should come with a mobile compatible cart/Trolley

**17. Startup Consumables/Kits**

The machine to be supplied with startup consumables/kits for at least 20 patients. All consumables/kits to have a shelf life of 2 years and above at the time delivery.

18. A brochure should be provided for technical evaluation

**19. Manuals**

- i) User manuals (both hard copy and soft copy)
- ii) Technical Manual (both hard copy and soft copy)

**20. Installation**

Supplier to install and test the equipment

21. Warranty-2-Years. After the warranty period is over; three-year annual Comprehensive Maintenance Contract (CMC). The successful bidder has to ensure that all the required spares and services are available during the period of CMC and 3years after that period.

**22. User training**

- i) Supplier to train users on site
- ii) Supplier to train one (1) biomedical technician and one(1) nurse at the factory.

23. The supplier to provide evidence of local capacity to service the equipment.
24. The supplier must provide Manufacturers authorization

## **18. TECHNICAL SPECIFICATIONS FOR HOSPITAL STRETCHER**

- a) Dimensions
  - 1) Overall length: - 200cm
  - 2) Overall width: 70cm
  - 3) Overall height : 80cm with castors
  - 4) Castors : 14cm in diameter with brakes

### **Patient Positions:**

- 1) Head elevation: At least 70°
- 2) Trendleburg/Reverse Trendelenburg: 18°
- b) The stretcher must have:
  - 1) Weight capacity of at least 200Kgs
  - 2) Push handles
  - 3) Brake/Steer pedals– head and foot
  - 4) Removable IV pole
  - 5) Water proof mattress
  - 6) Side Rails

## **24. TECHNICAL SPECIFICATION FOR SPIROMETRY MACHINE**

### **a. Features**

Digital handle

Notebook computer (RAM 3GB, Processor – quad core 2.8 GHz, Hard drive 320GB HDD, OS – Windows 7/8/10, Power – 240V AC)

Forced Spirometry (FVC): FVC, FEV1, FEF25, FEF50, FEF75, PEF, PIF, FEV1%VC).

Slow Spirometry (SVC): ERV, IRV, IC, VT, VCIN, VCEX, VCMAX

Maximum voluntary ventilation (MVV): MVV, BF, VT

### **b. PC Interface**

USB

### **c. Power Requirements**

Voltage – 220 to 240V, 50Hz

Power backup - minimum 3 hours working time

### **d. Accessories**

Calibration pump/syringe - 3L

Mouth pieces

Nose clips

Filters

Complete software package for measurement and report generation

**e. Miscellaneous**

Must have user/operator manuals – hard and soft copy

Must have technical service manual – hard and soft copy

Supplier must provide user training

Supplier must provide biomedical training

At least 1 year warranty

Must have CE quality mark

**28. LITHOTRIPSY LASER MACHINE**

Item Code No.	Item Description	Lithotripsy Machine
1. General Description Lithotripsy machine is used in the administration of a series of shock waves to the targeted stone. The shockwaves, which are generated by a machine called a lithotripter, are focused by x-ray onto the kidney stone.		
2. Technical Specifications		
2.1	<b>Average Power :</b>	35W
2.2	<b>Repetition rate:</b>	3÷30Hz
2.3	<b>Energy per Pulse :</b>	0.1÷5j
2.4	<b>Pulse duration:-</b>	50-1100 uS
2.5	<b>Recognition fiber :</b>	RFID System
2.6	<b>Aiming beam:</b>	523nm.
2.7	<b>Power:</b>	220-240V,50HZ 1phase 10A
<b>In compliance with:</b>		CE classification



**3 Conditions**

Attachment:- Must attach colored brochures highlighting the specs

Authorization: Must attach manufacturer authorization

Training: Factory Training for 2-Biomedes

**Warranty:** Minimum of 5 year after commissioning on all parts.

**All other terms and conditions remain as earlier published.**

**Please note that the Tender Closing and Opening date has been extended to (21<sup>st</sup> July, 2022) at 10:00am EAT.**

A handwritten signature in blue ink, consisting of a stylized 'B' followed by a long horizontal line and a large, circular flourish.

**SIMON WAITHAKA**  
**FOR: CHIEF EXECUTIVE OFFICER**

