

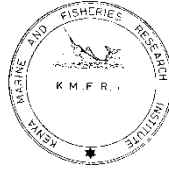
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When replying please quote

KMF/HQs/TENDER/49/2018-2019/VOL.I/
If calling or telephoning ask
for: Mr. Awino S.

Please address your reply to DIRECTOR



HEADQUARTERS
P.O. Box 81651
MOMBASA
KENYA

21ST DECEMBER 2018

TO ALL TENDERERS FOR

SUPPLY, DELIVERY, ASSEMBLY, ERECTION AND INSTALLATION OF MTAFIGI MUSEUM DISPLAY UNITS.

REF: TENDER NO. KMF/HQS/49/2018-2019: FOR PROCUREMENT OF SUPPLY, DELIVERY, ASSEMBLY, ERECTION AND INSTALLATION OF MTAFIGI MUSEUM DISPLAY UNITS

ADDENDUM/CLARIFICATION NO. 2

Reference is hereby made to the above mentioned TENDER NOTICE which featured in the Standard Newspapers dated 4th December 2018 and on KMFRI official Website respectively.


This is to inform you all the participating bidders that disregard the earlier Technical Specification in **pages 35-46** of the bid document, the client – KMFRI wishes to replace Technical Specifications as highlighted in the clarification as shown in pages indicated above.

Kindly take into consideration as the said clarifications herein supersedes the earlier specifications and therefore become part and parcel of this tender. You are further advised to disregard the earlier specifications and replace the same with this one on **page 35 – 46** of this Addendum/clarification.

Mr. Shem Awino
FOR: DIRECTOR/KMFRI

SECTION VII - TECHNICAL SPECIFICATIONS AND PRICE SCHEDULE FOR TENDER NO. KMF/HQS/49/2018-2019

Itemized list for KMFRI Reference collection/Museum displays



Item	Measurements	Units	Specification	Guiding pictures
<p><u>Herbarium wall mount soft board displays</u></p>	410x30x150 cm (LxWxH)	1	<ul style="list-style-type: none"> • Back side material: 20.0 mm thick soft board • Side walls material: Gypsum • Top material: Gypsum • Top with fluorescent lighting fitting accessories • Base material: Hardboard laminated with 50mm high density foam with a leather cover • Partition material: Gypsum (possibly two partitions per wall) • Face side (front size) lockable sliding glass doors: locks to be at right bottom corner • Face side lockable sliding glass doors thickness: 9mm laminated glass • Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also break resistant), low iron (water white or super clear) with antireflective coating 	
300x30x150 cm (LxWxH)	1			
540x30x150 cm (LxWxH)	1			
250x30x150 cm (LxWxH)	1			
<p><u>Central glass display/</u></p>	200x70x120 cm (LxWxH)	1		


pedestal


- Material: 10mm laminated glass casing and 20 mm Hardboard with low resin and acid content /ZF (zero formaldehyde) MDF (medium density fibreboard) bottom
- Glass casing: Lockable sliding on the length side
- Glass casing height: 60 cm
- Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also break resistant), low iron (water white or super clear) with antireflective coating
- Hardboard with low resin and acid content/ ZF MDF bottom height: 60 cm
- Hardboard with low resin and acid content /ZF MDF bottom: lockable sliding door






Fresh water ecosystem glass display shelves	250x60x240cm (LxwxH)	2	<ul style="list-style-type: none"> • Shelf material: 10 mm laminated glass • Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also should break resistant), low iron (water white or super clear) with antireflective coating • 12 removable shelves at 20cm interval hooks • Frame Material: 50x80 mm aluminium • Frame Partitioning intervals: 60 cm • Lockable Sliding doors • Shelf base: suspended at 20cm from the base footing • Shelf top: ZF MDF with fluorescent fitting accessories 	
	690x60x240cm (LxwxH)	1		


Fresh water ecosystem glass display/ pedestal	140x80x120cm (LxWxH)	2	<ul style="list-style-type: none"> • Material: 10mm laminated glass casing and 20 mm Hardboard with low resin and acid content/ ZF MDF bottom • Glass casing: Lockable sliding back • Glass casing height: 60cm • Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also should break resistant), low iron (water white or super clear) with antireflective coating • Hardboard with low resin and acid content /ZF MDF bottom: 60cm • Hardboard with low resin and acid content /ZF MDF bottom: lockable sliding doors 		
Marine and coastal ecosystem glass display shelves	250x60x240 cm (LxWxH)	2	<ul style="list-style-type: none"> • Shelf material: 10 mm laminated glass • Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also should break resistant), low iron (water white or super clear) with antireflective coating • 12 removable shelves at 20cm interval hooks • Frame Material: 50x80 mm aluminium • Frame Partitioning intervals: 60 cm • Lockable Sliding doors • Shelf base: suspended at 20cm from the base footing 		
	690x60x240cm (LxWxH)	1			


			<ul style="list-style-type: none"> Shelf top: ZF MDF with fluorescent fitting accessories 	
Marine and coastal ecosystem glass display/ pedestal	(LxWxH) 140x80x120 cm	2	<ul style="list-style-type: none"> Material: 10mm laminated glass casing and 20 mm Hardboard with low resin and acid content/ ZF MDF bottom Glass casing: Lockable sliding back Glass casing height: 60cm Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also should break resistant), low iron (water white or super clear) with antireflective coating Hardboard with low resin and acid content /ZF MDF bottom: 60cm Hardboard with low resin and acid content /ZF MDF bottom: lockable sliding doors 	


<p>Free standing indoor Digital Signage LCD Display /Digital Poster/Totem</p>		4	<ul style="list-style-type: none"> • LCD Panel Size: 55 inch • Material: Metal case • Aspect Ratio 16:09 • Panel Size: 1900(H) x 828mm(V) x 80mm(D) • Max. Resolution: 1920 x 1080 • Backlight: LED • Display Size: 1218mm(H) x 680mm(V) • Dot Pitch: 0.60mm(H) x 0.60mm(W) • Number of Colour: 16.7M • Brightness: 2000cd/m² • Contrast Ratio: 4000:01 • Responsive Time: 8ms • Panel Life: above 50000 hours • High brightness sun readable screen (1500-2000 nits) • Waterproof • Safety anti-glare glass on surface • Unique cooling system that can let display working under direct sunlight • Designed for 24/7 operation • In-built PC or Android player • Touchscreen (optional) • Audio output: stereo L/R, 5W*2, 8Ω • Power supply: AC 240V, 50/60HZ • Storage Temperature: -7 to 65 Celsius degree • Normal Working Temperature: -5 to 65 Celsius degree • Power plug: 3 pin/Type G (UK) 	
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3-D Model Glass display/ pedestal	280x80x110 cm (LxWxH)	1	<ul style="list-style-type: none"> • Material: 10mm laminated glass casing and 20 mm Hardboard with low resin and acid content/ ZF MDF bottom • Glass casing: Lockable sliding back • Glass casing height: 60cm • Glass type: Laminated glass (with two inner films or plastic sheets for UV barrier and also should break resistant), low iron (water white or super clear) with antireflective coating • Hardboard with low resin and acid content /ZF MDF bottom: 60cm • Hardboard with low resin and acid content /ZF MDF bottom: lockable sliding doors 	
Visitor chairs	<ul style="list-style-type: none"> • width: 47cm, depth: 42cm and height: 45cm • Back width: 48cm, Back height: 37cm 	6	<ul style="list-style-type: none"> • Ocean blue in colour • Vinyl seat and back • Plastic feet for extra floor protection • Polished chrome effect oval tube frame • Stackable for easy storage • Weight capacity: 115kgs 	

<p>Laboratory bench</p>	<p>Table/ counter top 2000x600x850 mm (LxWxH)</p> <p>3 Overhead storage shelves Overall dimension 2000x300x1000 mm (LxWxH)</p>	<p>1</p>	<ul style="list-style-type: none"> • 2-person office table (counter top) with drawers and overhead storage shelves. • Table and shelves material: Epoxy resin • Chemical resistant • Be able to resist instant temperature 1200°C and there is no effect when temperature is up to 160 °C. • Durable and scratch resistant • Resistant to UV light • Resistant to ageing • Free from solvents, non-toxic and completely recyclable • Colour: grey • Adjustable overhead storage shelves to allow maximum storage • Shelf interval hooks 20 cm • Interchangeable interlocking drawer heads • Electric sockets, electric circuit breakers and computer outlets located on an electrical trunking made of PVC and anchored to the shelf vertical supports. • Power outlet supply type G 	
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Curator chairs:		2	<ul style="list-style-type: none"> • Colour: ocean blue • Large aluminium base with polished top (28.7" leg spread) • Seat Diameter 18" • Height Range 21" - 28.5" • Adjustable padded armrests • 23" cast aluminum base • Adjustable contour backrest with high impact back shroud • Soft roll, dual wheel, hooded, casters • 2" dual wheel resistance casters (polyurethane) • 22" diameter oval foot ring (adjustable) • Pneumatic cylinder height adjustment • Fully adjustable tilting seats • Upholstered, ergonomic seat (20.5" wide) with sliding depth adjustment (16.4" to 18") • Medium-height upholstered backrest; 17.5" wide by 15" high (height adjustable up to 3") • "Soft Feel" laminated seat cushion. • Contour seat for extra comfort • Premium, stain-resistant, woven, knit-backed, vinyl upholstery • Weight Limit: 250 lbs. 	
LED TV		1	<ul style="list-style-type: none"> • Type: 55-inch Smart with Wi-Fi capability • Colour: black • Display type: LED • Resolution: 3840 x 2160 	

			<ul style="list-style-type: none"> • HDR10 support: ultra sound surround mode, HMDI, USB, composite in (AV) • Accessory: wall mount bracket and remote 	
Professional plant press unit with driers and ventilators		5	<p>Frame: Solid oak hardwood frames Dimensions: 12 x 18" (30.5 x 46 cm) Brass/ aluminium-plated rivets at all outside joints Oak strips: 1" wide x 3/8" thick (2.5 x 1 cm) Smooth outside edges, sanded and rounded slightly to reduce wear on the straps.</p> <p>Accessories Driers 100 pcs: A3 size Belt / strap 9 Pcs: Extra-long, non-slip with buckle and heat sealed 1 " X 3m with spring buckle Ventilators 100 pcs: A3 100% Rag herbarium mounting paper 10 packs each pack with 100 pieces Herbarium paste/ white glue (polyvinyl acetate base)- 3 units Herbarium tape/ translucent tape- 5 units Waxed paper 20 units Driers/Blotting paper/ newspaper -100 kgs Tie-on tags/ Jeweler's tags -20 sets each with 100 pieces: Plain white cotton strings Acid free 35 x 22 mm Botanical specimen data label -40 pads each with 100 labels: 100% rag acid-free</p>	

Display glass holding jars			<p>Display glass holding units (700 pieces of assorted wet specimen jars) Material: Flint glass: The ideal lid for these jars is polypropylene with an F217 tri-seal foam liner, a knurled (ribbed) edge, and a buff (rough) top. <u>Jar Specs</u></p> <table border="1" data-bbox="696 400 1099 1187"> <thead> <tr> <th>Size</th> <th>Type</th> <th>Necks</th> <th>QTY</th> </tr> </thead> <tbody> <tr> <td>3-gallon</td> <td>wide mouth</td> <td>132-400</td> <td>100 PCS</td> </tr> <tr> <td>1-gallon</td> <td>narrow mouth</td> <td>110-400</td> <td>100 PCS</td> </tr> <tr> <td>32 oz.</td> <td>paragon</td> <td>89-400</td> <td>100 PCS</td> </tr> <tr> <td>16 oz.</td> <td>paragon</td> <td>70-400</td> <td>100 PCS</td> </tr> <tr> <td>16 oz.</td> <td>paragon</td> <td>63-400</td> <td>100 PCS</td> </tr> <tr> <td>4 oz.</td> <td>paragon</td> <td>48-400</td> <td>100 PCS</td> </tr> <tr> <td>8 oz.</td> <td>paragon</td> <td>58-400</td> <td>100 PCS</td> </tr> </tbody> </table>	Size	Type	Necks	QTY	3-gallon	wide mouth	132-400	100 PCS	1-gallon	narrow mouth	110-400	100 PCS	32 oz.	paragon	89-400	100 PCS	16 oz.	paragon	70-400	100 PCS	16 oz.	paragon	63-400	100 PCS	4 oz.	paragon	48-400	100 PCS	8 oz.	paragon	58-400	100 PCS	
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Air conditioners (LG or equivalent)	24000 BTU	5	<ul style="list-style-type: none"> • R410A Gas Type • 1.5 Horse Power (HP) • Quiet Operation • Energy Save Function • Built in Super AVS 																																	

			<ul style="list-style-type: none"> • High Wall Unit • Tropical Compressor • Gold Fin • Jetcool • Pre-Filter • Odour Filter • Auto Cleaning • Sleep Mode • Digital display • Easy Installation <p><u>Accessories</u></p> <ul style="list-style-type: none"> • Remote 	
Wall mounted Air extractors	<ul style="list-style-type: none"> • Fan diameter- 350mm • Fan speed- 1320 rpm • Air flow: - 2606 M3/Hr • Power Watts: 143 • Voltage 240-250 • Wall sleeve: 526x526mm • Wall thickness- 230-390mm 	3	<ul style="list-style-type: none"> • Internal aluminium louvre grille coated with a white epoxy powder finish. • Telescopic galvanised steel wall liner • External grey polypropylene louvre shutter, to prevent outside air entering the building. • The louvre is opened by the airflow when the fan starts. • IP55 terminal box for easy wiring. • high efficiency motors, maintenance free and sealed for life. • The motors have built in thermal overload protection, • Motors are THCL 155 insulated to EN60034-5, and weatherproofed to IP54. • Motor sealed inside the wall housing for quiet operation. 	