

# KENYA MARINE AND FISHERIES RESEARCH INSTITUTE

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When replying please quote  
KMF/HQs/TENDER/15/2017-2018/VOL.I/  
If calling or telephoning ask  
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Please address your reply to DIRECTOR



HEADQUARTERS  
P.O. Box 81651  
MOMBASA  
KENYA

9<sup>th</sup> MAY 2018

TO ALL TENDERERS FOR

Supply, delivery, Assembly, Erection and Installation of Laboratory Benches

**REF: TENDER NO. KMF/HQS/15/2017-2018: FOR PROCUREMENT OF  
LABORATORY BENCHES**

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## **ADDENDUM/CLARIFICATION NO. 01 – CLARIFICATION MADE BY THE CLIENT**


Reference is hereby made to the above mentioned TENDER NOTICE which featured in the Standard and Star Newspapers dated 1<sup>st</sup> May 2018, IFMIS Portal and on KMFRI Website respectively.


The CLIENT/KMFRI hereby wishes to provide clarifications as shown below in this letter. Please be informed that this ADDENDUM/CLARIFICATIONS herein therefore become part and parcel of the INSTRUCTIONS to all bidders participating in this TENDER.

Mr. Jared Nyaundi  
**FOR: DIRECTOR/KMFRI**

## LOT NO. 1.0: LABORATORY BENCHES AND CHAIRS

Item	Measurements	Units	Specification	Guiding pictures
Side bench with no overhead cabinats	280x75x85 cm with 2 sinks	3	<ul style="list-style-type: none"> <li>Material: 1.0 mm cold-rolled and welded steel</li> <li>Electrostatic Epoxy powder coated.</li> <li><b>H-Frame</b></li> <li><b>Interchangeable, interlocking drawer head.</b></li> <li><b>Nylon tired stainless-steel ball bearing drawer rollers</b></li> <li><b>Adjustable nylon threaded foot;</b></li> <li>Telescoping panels painted inside and out.</li> <li>Sound deadening materials are between panels.</li> <li>Adjustable shelves allow maximum storage.</li> <li>Sinks of PP material</li> <li>Water taps: solid brass, stainless steel</li> <li>Gas Outlet: solid brass, stainless steel</li> <li>Eye Wash: solid brass, stainless steel</li> <li>Power outlets</li> <li>Measurement (LxwxH)</li> </ul>	
	293x75x85 cm with 2 sinks	1		
	292x75x85 cm with 2 sinks	1		
	275x75x85 cm with 2 sinks	1		
	175x75x85 cm with two sinks	1		
	310x75 x85 cm with 2 sinks	1		
Side benches with	<b>Side bench:</b> 137x60 x85 cm with no sink	2	<ul style="list-style-type: none"> <li>Material: 1.0mm cold-rolled and welded steel</li> </ul>	

overhead cabinets	<b>Overhead cabinet:</b> 137x35 x75cm (LxwxH)		<ul style="list-style-type: none"> <li>• Electrostatic Epoxy powder coated.</li> <li>• <b>Floor Mounted</b></li> <li>• <b>Interchangeable, interlocking drawer head.</b></li> <li>• <b>Nylon tired stainless-steel ball bearing drawer rollers</b></li> <li>• <b>Adjustable nylon threaded foot;</b></li> <li>• Telescoping panels painted inside and out.</li> <li>• Sound deadening materials are between panels.</li> <li>• Adjustable shelves allow maximum storage.</li> <li>• Power outlets</li> <li>• Measurement (LxwxH)</li> </ul>	
	Side bench: 176x60 x85 cm with no sink	2		
	<b>Overhead cabinet:</b> 137x35 x75cm (LxwxH)- 3 doors			
	<b>Side bench:</b> 352x75 x85 cm with no sinks	1		
	<b>Overhead cabinet:</b> 352x35 x75cm (LxwxH)- 6 doors			
	<b>Side bench:</b> 442x60 x85 cm with no sink	2		
<b>Overhead cabinet:</b> 442x35 x75cm (LxwxH)- 8 doors				
<b>Side bench:</b> 137x60 x85 cm with no sink	1			
<b>Overhead cabinet:</b> 137x35 x75cm (LxwxH) 3 doors				
Island benches with 3 overhead reagent shelves	190x100 x85 cm	2	<ul style="list-style-type: none"> <li>• Material: 1.0mm cold-rolled and welded steel</li> <li>• Electrostatic Epoxy powder coated.</li> <li>• <b>Floor Mounted</b></li> </ul>	

			<ul style="list-style-type: none"> <li>• <b>Interchangeable, interlocking drawer head.</b></li> <li>• <b>Nylon tired stainless-steel ball bearing drawer rollers</b></li> <li>• <b>Adjustable nylon threaded foot;</b></li> <li>• Telescoping panels painted inside and out.</li> <li>• Sound deadening materials are between panels.</li> <li>• Adjustable shelves allow maximum storage.</li> <li>• Sinks of PP material</li> <li>• Water taps: solid brass, stainless steel</li> <li>• Gas Outlet: solid brass, stainless steel</li> <li>• Eye Wash: solid brass, stainless steel</li> <li>• Power outlets</li> <li>• Measurement (LxwxH)</li> </ul>	
Island benches without	180x100 x85 cm	4	<ul style="list-style-type: none"> <li>• Material: 1.0mm cold-rolled and welded steel</li> </ul>	

overhead  
cabinates  
and no  
sinks

- Electrostatic Epoxy powder coated.
- **Floor Mounted**
- **Interchangeable, interlocking drawer head.**
- **Nylon tired stainless-steel ball bearing drawer rollers**
- **Adjustable nylon threaded foot;**
- Telescoping panels painted inside and out.
- Sound deadening materials are between panels.
- Adjustable shelves allow maximum storage.
- Power outlets
- Measurement (LxwxH)



<p>Laboratory Chairs</p>	<ul style="list-style-type: none"> <li>• Overall width: 24"</li> <li>• overall depth: 24"</li> <li>• overall height: 34 1/2"-41 1/2" (adjustable)</li> <li>• seat height: 21"-28" (adjustable)</li> <li>• back dimension 15 3/4" w x 15 1/4" d</li> <li>• Seat dimension: 16" w x 16" d</li> <li>• base dimension: 22" diameter</li> </ul>	<p>30</p>	<ul style="list-style-type: none"> <li>• Recommended grade level: 7th grade–adult</li> <li>• seat material: polypropylene (PP) or PU</li> <li>• frame material: nylon w/ heavy-duty steel plate</li> <li>• Weight capacity: 300 lbs.</li> <li>• Color: black</li> </ul>		
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<b>canopy fume hoods</b>	96"w x 60"d.	2	<ul style="list-style-type: none"><li>• Wall-mounted</li><li>• Built-in baffle to increase air velocities and enhance the overall capture efficiency.</li><li>• Material: stainless steel</li></ul>	
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## LOT NO. 2.0: SAFETY APPLIANCES

### ITEM No. 2.1 VERTICAL LAMINAR FLOW CABINET- 1 UNIT

NO.	ITEM DESCRIPTION	UNIT OF ISSUE	QTY	UNIT PRICE	TOTAL PRICE
2.1	VERTICAL LAMINAR FLOW CABINET	No	1		

#### TECHNICAL SPECIFICATIONS

DETAILS OF SPECIFICATIONS	SPECIFY / INDICATE
<b>MAKE</b>	
<b>MODEL</b>	
<b>COUNTRY OF ORIGIN</b>	
<b>MANUFACTURER'S LITERATURE TO BE SUPPLIED Yes or No</b>	
<b><u>Technical Requirements</u></b>	
<ul style="list-style-type: none"> <li>Attach technical literature for item quoted</li> </ul>	

Specification	Details	YES	Y/N
	<ul style="list-style-type: none"> <li>Vertical laminar air-flow cabinet in positive pressure for product protection</li> <li>epoxy powder coated cold-rolled steel structure</li> <li>work surface in stainless steel AISI-304L,</li> <li>upwards opening with hinged safety glass front window</li> <li>safety glass side windows with holes for installation of possible taps</li> </ul>	YES	
<b>Dimensions</b>		YES	
Overall Dimensions	<ul style="list-style-type: none"> <li>1655x760x1545 mm</li> </ul>	YES	
Useful Dimensions			
Noise level (dbA)	<ul style="list-style-type: none"> <li>1503x609x755 mm</li> </ul>		
Working aperture	<ul style="list-style-type: none"> <li>&lt; 60</li> </ul>		
	250 mm		
weight	<ul style="list-style-type: none"> <li>200 kg</li> </ul>	YES	
Installation	<ul style="list-style-type: none"> <li>Training , testing, installation and commissioning at KMFRI Mombasa</li> </ul>	Yes	
<b>Accessories</b>			
UV Lamp	UV lamp with aluminium front closure	YES	
Front closure	Aluminium night door closure	YES	
Stand	Epoxy painted base stwith castors	YES	
Gas Tap	Gas Tap with electrovalve	YES	
Vacuum Tap	Manual Vacuum Tap	YES	
Compressed air tap	Manual Compressed air Tap	YES	
Nitrogen tap	Manual Nitrogen tap available	YES	
Water tap	Manual Water tap		
Regulator	Automatic Regulator with full Digital Anemometer factory fitted (automatic UV cycle)	YES	
Display	Digital Display (including only UV Timer and Hour Counter)		
Pressure gauge	Differential pressure gauge (Magnehelic), factory fitted	YES	
Antibacterial coating	Coated with exclusive Dupont "ALESTA" antibacterial Ag+ cations based solution capable to prevent microbial contamination		
Side walls	Transparent side walls in safety glass.		
Hooks	Stainless steel bar for bags with 6 hooks for 1.5 mt size		



Drawers	3-drawers unit on pivoting castors and removable epoxy powder coated		
Installation, commissioning and training	To be included	YES	
Technical manuals	To be included	YES	
Warranty	At least 1 year	YES	

**ITEM 2.2 FUME HOOD (DUCTLESS) - 1 UNIT**

NO.	ITEM DESCRIPTION	UNIT OF ISSUE	QTY	UNIT PRICE	TOTAL PRICE
	Ductless fume hood	No			

DETAILS OF SPECIFICATIONS	SPECIFY / INDICATE
<b>MAKE</b>	
<b>MODEL</b>	
<b>COUNTRY OF ORIGIN</b>	
<b>MANUFACTURER'S LITERATURE TO BE SUPPLIED</b> Yes or No	
<b><u>Technical Requirements</u></b> Attach technical literature for item quoted	

Specifications	Details	Yes / NO
Useful dimension (mm):: W x D x H : 1738x600x660	YES	
Overall dimension [mm]: W x D x H: 1800x760x1120	YES	
Easy replaceable filters	YES	
Factory fitted activated carbon filters.	YES	
Construction of epoxy powder painted steel with removable spillage tray of AISI 316 stainless steel.	YES	
Tempered glass sliding sash window	YES	
<b>Electrical outlet.</b>	YES	
Fluorescent lamp.	YES	
Microprocessor based monitoring system complete with; Lighting and pre-filter.	YES	
Visual and auditory alarms for: Max/min velocity, pre-filter clogging, filter saturation, anemometer failure, gas detector failure and motor fan failure.	YES	
Noise level (dbA): <54	YES	
Double Fan with centrifugal IP54	YES	
Working Aperture (mm): 200	YES	
Exhaust flow rate (m3/h): 800	YES	
Lighting level (lux): >1000	YES	
Weight (kg): 130	YES	
Electrical data [230V - 50H] (**): 230 V - 50 Hz	YES	
ACCESSORIES	A/C Filter SULF Filter UR Filter AM Filter CYAN Filter MER Filter ACR Filter FOR Filter HEPA filter Prefilter (10 pcs.) Supporting table for Mobile trolley for Mobile trolley complete with work surface and sink of AISI-304, mixing tap and drainpipe, side closure of the table and two front doors, epoxy powder painted	

	<p>Gas Tap with electrovalve  Manual Gas Tap  Manual Vacuum Tap  Manual Compressed air Tap  Manual Nitrogen Tap  Manual Water tap</p>	
Controls	<p>microprocessor controlled system for a range of data which includes type and code number of the filter being used, installation date, maximum time allowance for filter use and a warning date for its replacement.</p>	
Training : Installation , training and commissioning at KMFRI	YES	

