

Section II: Schedule of Requirements

eSourcing reference: **ITB/2025/56652**

The ITB is for the procurement of Medical Autoclaves under three lots listed as below.

- Lot 1-Double Door Autoclave
- Lot 2-Steam Sterilizer/Autoclave
- Lot 3-Benchtop Steam Sterilizers

Technical specifications for Goods and Comparative Data Table

Lot 1-Double Door Autoclave

Bidders are required to submit the excel and pdf Version of - Form D- Technical Bid Form					
Technical Specification Title: Rebid- Supply, Installation, Training and Commissioning of Medical Autoclaves Ministry of Health/Armauer Hansen Research Institute Addis Ababa /Ethiopia			Is your product compliant with UNOPS Minimum Requirement?	Technical specification of goods offered by bidder	Remark (note for deviation and description of additional document attached with bidder offer)
UNOPS Minimum Technical requirement					
Lot 1	Double Door Autoclave		This column must be completed fully by bidders		
	Brand Name	Vendor to Specify		Vendor to Specify	
	Model No.	Vendor to Specify		Vendor to Specify	
	Manufacturer	Vendor to Specify		Vendor to Specify	
	Country of Origin	Vendor to Specify		Vendor to Specify	
Technical Specification					
	Design:	Double door-pass through system	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	

	Useful capacity:	250-350 L	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Working temperature:	105°C to 138 °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Maximum operating pressure:	0.21 Mpa or better	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Timer:	1 min to 99 Hrs/min	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Door opening:	Vertical/Horizontal sliding doors with auto-stop safety feature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Door opening mechanism:	Fully automatic, pneumatic/electro-mechanical operated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Construction material:	Stainless steel-Electropolished, ASME/PED certified AISI 316L stainless steel chamber	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Frame and external panels	Made of AISI 304 stainless steel or better	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Should be Full high efficiency heat transfer jacket system.	Yes/ No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Steam generator/electric heater:	Integrated,	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	The steam generator	should be equipped with an automatic cleaning facility.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Integrated vacuum/drying function:	Required	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Load control probe to included as standard	Integrated,	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	RTD (Resistance Temperature Detectors) temperature probes	Integrated,	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Autofill:	Automatic demineralized water feed for steam generation	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Temp control:	PID/PLC control by microprocessor	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Display:	Digital-Multi-color touch screen panel- display allows control communications and control for sterilizer functions, including cycle initiation and cycle configuration indicates any abnormal conditions of failure	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Display mode:	Graphical	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	

		Operator interface control panel on Both side: -consisting of a touch screen located on the operating (i.e., load or non-sterile) end of the sterilizer. The operator interface consists minimum of an emergency stop button, door control buttons and a touch-sensitive, color display. - Non-operating end (NOE) control panel, must include a touch sensitive screen displaying information as the operating end screen display.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Operation pannel:	Other controls located at the non-operating end must include door control push-button, jacket and chamber gauges and an emergency-stop button	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Control mode:	Touch screen , or combination with Touch control display with membrane keypad/knob	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Number of sterilising programs:	>10	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Liquid cycle	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Leak Test:	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	VacuumLeakTest: cycle- is used for testing the vacuum integrity of the sterilizer's piping.	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Gravity cycles	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Built-in printer for process recording	High resolution (8 dots/mm) thermal printer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	(Bowie-Dick) Test Cycle	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Interface:	Ethernet/WiFi, USB/HDMI, Serial	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Memory capacity:	≥10 cycles internal memory (Not a printed paper)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Validation port:	Required for introduce measuring equipment.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Integrated printer for batch documentation:	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Inbuilt/Integrated air compressor:	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Remote Access -Provides technician ability to	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	

	monitor autoclave via Internet				
	Power supply:	220-400 V, 50 Hz, European plug, single/three phase main supply	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
Presence of following safety feature:					
	(a) Over temp protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(b) Overpressure protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(c) Sterilising time buzzer on	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(d) Automatic reset function incoming power cut	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(e) One door only can open at time	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(f) Multiple access level and password protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(g) Audio/visual alarm for in case if undesired situation	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(h) Automatic door opening function at end of the cycle	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(i) Temperature and pressure depending door locking mechanism	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(j) Overload protection mechanism	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(k) Bio-shield barrier hermetically seals between the differently qualified zones	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
Following items should be supplied with instrument					
	(i) 4x Extra Silicone Door Gasket	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	

	(ii) 1x Loading Stainless Steel Trolley	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(iii) 1x Unloading Stainless Steel Trolley	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(iv) Thermal printer and 3 Print paper roll	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(v) 3x set of extra Heater	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(vi) 1x set of maintenance tools kits	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(vii) Stainless steel rack with roller (minimum 3 level)	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(viii) Complete set of stainless steel basket	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
Additional Requirement					
	Documentation/ Certification	Manufacturer ISO 9001 and ISO 13485 certificate issued by a body accredited by the IAF (the English version should be provided with the offer)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
		Medical equipment standards. All offered medical equipment, tools and consumables shall be in possession of European conformity marking (CE Mark), according to Medical Device Directive 93/42/EEC directive or 98/79/EC, or FDA approval	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
		Pressure Equipment Directive, PED 97/23/EC certificate for manufacturer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
		If the Bidder is not a manufacturer, the bidder need to be certified in accordance to ISO 9001 or other QMs certificate for Supply of laboratory, medical and pharmaceutical products Copies of the original certifications, issued by authorized notified bodies, shall be included in the bid	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
	Accessories	All standard accessories shall be supplied	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	

	Training:	Complete training on the operation and maintenance of the instrument is required for officers in the lab at the Consignee (AHRI) instrument site	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
	Warranty:	2-year comprehensive warranty for the system should be provided from the manufacturer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
	Local Agent	Should have a local agent/dealer to support installation, commissioning and training activities(Should Provide contact Address). If not, it has to commit/agree to arrange a local agent/dealer within a week (7 days) after award.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
	Manuals:	One set of operation manual and service manual (English language) should be supplied with instruments.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
	Installation, Testing and Commissioning	Instrument should be installed according to manufacturer instruction at the customer site without any additional cost	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
	Additional Special Requirement	If there are any additional special requirements (pre filter, carbon filter, pressure pump, online conductivity meter, overhead tank), other than municipal water supply, power, or drainage, the bidder should take responsibility for fulfilling those requirement	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & attach	
UNOPS the right to vary — Comparative Data Table					
	UNOPS Requirements		Is the bid compliant? Bidder to complete	Details If bidder cannot comply, indicate the reason(s)	
			This column must be completed fully by bidders		
	UNOPS Right to vary requirements	At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20%, without any	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details	

		change in the unit prices or other terms and conditions of the ITB		
	Delivery time- FCA- Lot 1	UNOPS prefers the goods to be delivered within 45-60 days under FCA as per Incoterms 2020 after Contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Delivery time- DAP- Lot 1	UNOPS prefers the goods to be delivered within 60-90 days under DAP as per Incoterms 2020 after Contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Bidder's quoted FCA point – FCA (Incoterms 2020)		<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Delivery place and Incoterms rules-Bidder confirms to deliver the items to: AHRI, Addis Ababa , Ethiopia.	DAP (Incoterms 2020).- AHRI Compound, Addis Ababa , Ethiopia	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details

Lot 2-Steam Sterilizer/Autoclave

Bidders are required to submit the excel and pdf Version of - Form D- Technical Bid Form					
Technical Specification Title: Rebid- Supply, Installation, Training and Commissioning of Medical Autoclaves Ministry of Health/Armauer Hansen Research Institute Addis Ababa /Ethiopia			Is your product compliant with UNOPS Minimum Requirement?	Technical specification of goods offered by bidder	Remark (note for deviation and description of additional document attached with bidder offer)
UNOPS Minimum Technical requirement					
Lot 2	Steam Sterilizer/Autoclave		This column must be completed fully by bidders		
	Brand Name	Vendor to Specify		Vendor to Specify	
	Model No.	Vendor to Specify		Vendor to Specify	
	Manufacturer	Vendor to Specify		Vendor to Specify	
	Country of Origin	Vendor to Specify		Vendor to Specify	
Technical Specification					
	Design:	Double door-pass through system	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Useful capacity:	800-900 L	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Working temperature:	105 to 138 °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Maximum operating pressure:	0.21 Mpa or better	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Timer:	1 min to 99 Hrs/min	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Door opening:	Vertical/Horizontal sliding doors with auto-stop safety feature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	

	Door opening mechanism:	Fully automatic, pneumatic/electro-mechanical operated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Construction material:	The chamber is constructed of ASME/PED certified AISI 316L stainless steel chamber	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Frame and external panels	Made of AISI 304 stainless steel or better	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	The chamber pressure vessel is a fully jacketed-type	Yes/No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Steam generator/electric heater:	Integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Steam generator	should be equipped with an automatic cleaning facility.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Integrated vacuum/drying function:	Required	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Autofill:	automatic demineralized water feed for steam generation	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Temp control:	PID/PLC control by microprocessor	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Display:	Digital- display allows control communications and control for sterilizer functions, including cycle initiation and cycle configuration indicates any abnormal conditions of failure	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Operation pannel:	Operator interface control panel on Both side: -consisting of a touch screen located on the operating (i.e., load or non-sterile) end of the sterilizer. The operator interface consists minimum of an emergency stop button, door control buttons and a touch-sensitive, color display. - Non-operating end (NOE) control panel, must include a touch sensitive screen displaying information as the operating end screen display.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
		Other controls located at the non-operating end must include door control push-button, jacket and chamber gauges and an emergency-stop button	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Display mode:	Graphical	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	

	Control mode:	Touch screen , or combination with Touch control display with membrane keypad/knob	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Number of sterilising programs:	≥10	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	VacuumLeakTest: cycle- is used for testing the vacuum integrity of the sterilizer's piping.	Integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	(Bowie-Dick) Test Cycle	Integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Interface:	Ethernet/WiFi, USB/HDMI, Serial	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Memory capacity:	≥10 cycles internal memory (Not a printed paper)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Validation port:	Required to introduce measuring equipment.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Remote Access -internet-based, real-time equipment monitoring	Integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Inbuilt/Integrated printer for batch documentation:	Integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Inbuilt/Integrated air compressor:	Integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Power supply:	220-400 V, 50 Hz, European plug, single/three phase main supply	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
Presence of following safety feature:					
	(a) Over temp protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(b) Overpressure protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(c) Sterilising time buzzer on	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	(d) Automatic reset function incoming power cut	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	(e) One door only can open at time	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	(f) Multiple access level and password protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	

	(g) Audio/visual alarm for in case if undesired situation	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(h) Automatic door opening function at end of the cycle	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(i) Temperature and pressure depending door locking mechanism	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(j) Overload protection mechanism	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(k) Bio-shield barrier hermetically seals between the differently qualified zones	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
Following items should be supplied with instrument					
	(i) 4x Extra Silicone Door Gasket		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(ii) 1x Loading Stainless Steel Trolley		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(iii) 1x Unloading Stainless Steel Trolley		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(iv) Thermal printer and 3 Print paper roll		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(v) 3x set of extra Heater		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(vi) 1x set of maintenance tools kits		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(vii) Stainless steel rack with roller (minimum 3 level)		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(viii) Complete set of stainless steel basket		<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
Additional Requirement					
		Manufacturer ISO 9001 and ISO 13485 certificate issued by a body accredited by the IAF (the English version should be provided with the offer)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	

		Medical equipment standards. All offered medical equipment, tools and consumables shall be in possession of European conformity marking (CE Mark), according to Medical Device Directive 93/42/EEC directive or 98/79/EC, or FDA approval	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
		Pressure Equipment Directive, PED 97/23/EC certificate for manufacturer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
		if the Bidder is not a manufacturer the bidder need to be certified in accordance to ISO 9001 or other QMs certificate for Supply of laboratory, medical and pharmaceutical products Copies of the original certifications, issued by authorized notified bodies, shall be included in the bid	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Accessories	All standard accessories shall be supplied	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Training:	Complete training on the operation and maintenance of the instrument is required for officers in the lab at the Consignee (AHRI) instrument site	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Warranty:	2-year comprehensive warranty for the system should be provided from the manufacturer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Local Agent	Should have a local agent/dealer to support installation, commissioning and training activities(contact details of the agent is required). If not, it has to commit/agree to arrange a local agent/dealer within a week (7 days) after award.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Manuals:	One set of operation manual and service manual (English language) should be supplied with instruments.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Installation	Instrument should be installed according to manufacturer instruction at the customer site without any additional cost	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Additional Special Requirement	If there are any additional special requirements (pre filter, carbon filter, pressure pump, online conductivity meter, overhead tank), other than municipal water supply, power, or drainage, the bidder should take	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	

		responsibility for fulfilling those requirement			
UNOPS the right to vary — Comparative Data Table					
	UNOPS Requirements		Is the bid compliant ? Bidder to complete	Details If bidder cannot comply, indicate the reason(s)	
			This column must be completed fully by bidders		
	UNOPS Right to vary requirements	At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20%, without any change in the unit prices or other terms and conditions of the ITB	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details	
	Delivery time- FCA- Lot 2	UNOPS prefers the goods to be delivered within 45-60 days under FCA as per Incoterms 2020 after Contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details	
	Delivery time- DAP- Lot 2	UNOPS prefers the goods to be delivered within 60-90 days under DAP as per Incoterms 2020 after Contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details	
	Bidder's quoted FCA point – FCA (Incoterms 2020)		<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details	
	Delivery place and Incoterms rules-Bidder confirms to deliver the items to: AHRI, Addis Ababa , Ethiopia.	DAP (Incoterms 2020).- AHRI Compound, Addis Ababa , Ethiopia	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details	

Lot 3-Benchtop Steam Sterilizers

Bidders are required to submit the excel and pdf Version of - Form D- Technical Bid Form					
Technical Specification Title: Rebid- Supply, Installation, Training and Commissioning of Medical Autoclaves Ministry of Health/Armauer Hansen Research Institute Addis Ababa /Ethiopia			Is your product compliant with UNOPS Minimum Requirement?	Technical specification of goods offered by bidder	Remark (note for deviation and description of additional document attached with bidder offer)
UNOPS Minimum Technical requirement					
Lot 3	Fully Automatic Benchtop Steam Sterilizers (Class B)		This column must be completed fully by bidders		
	Brand Name	Vendor to Specify		Vendor to Specify	
	Model No.	Vendor to Specify		Vendor to Specify	
	Manufacturer	Vendor to Specify		Vendor to Specify	
	Country of Origin	Vendor to Specify		Vendor to Specify	
Technical Specification					
	Design:	Benchtop, Class B	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	System:	Horizontal (Front loading)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	External size (W*D*H)mm	Maximum 805x1140x700 mm ± 10 %	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Effective capacity:	60-70 L	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Working temperature:	105-134 °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Temperature control:	Microprocessor, PID	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Operating pressure:	0-01 (103 kPa) - 0.2 Mpa (200 kPa)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Interior material:	The chamber is constructed of ASME/PED certified AISI 316L stainless steel chamber	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	External material:	Stainless steel/Powder coated steel	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	

	Integrated steam generator/electric heater:	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Integrated vacuum/drying function:	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Integrated weather tank	minimum 12 liter	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Display:	Digital -LCD touch screen display minimum 5 inch	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
		the display should Displaying temperature, pressure, time operation status, error and alarm informations	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Operation:	Touch screen / or touch screen with Keypad, knob	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Timer:	1-59 min or better	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Program memory:	≥6	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Bowie and Dick test and vacuum test:	integrated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Number of Stainless Steel shelves:	≥2	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Integrated printer:	Required	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Interface:	Ethernet/WiFi, USB/HDMI, Serial	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Idle period	Idle period after a predetermined period of inactivity 4-6 Hrs or better	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Working environment temperature:	≥10-40 °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Working environment humidity:	≥ 20-80%	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Working altitude above sea level:	≥ 2,400 m	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
	Power supply:	220-400 V, 50 Hz, European plug, three phase main supply	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Specify	
The item should have the following safety features					

	(i) Over temperature protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(ii) Over pressure protection	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(iii) Door unlock	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(iv) Insufficient water detector with automatic shutoff	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(v) Drain Protection: Exhaust is cooled with cold tap water before reaching the drain.	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(vi) Automatic reset function incoming power cut	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(vii) Independent temperature and pressure monitoring feature	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	(viii) Password protection feature for adjustment	Vendor to Confirm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
Additional Requirement					
		Manufacturer ISO 9001 and ISO 13485 certificate issued by a body accredited by the IAF (the English version should be provided with the offer)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	

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Certification

		Medical equipment standards. All offered medical equipment, tools and consumables shall be in possession of European conformity marking (CE Mark), according to Medical Device Directive 93/42/EEC directive or 98/79/EC, or FDA approval	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
		if the Bidder is not a manufacturer the bidder need to be certified in accordance to ISO 9001 or other QMs certificate for Supply of laboratory, medical and pharmaceutical products Copies of the original certifications, issued by authorized notified bodies, shall be included in the bid	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Accessories	All standard accessories shall be supplied	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Training:	Complete training on the operation and maintenance of the instrument is required for officers in the lab at the Consignee (AHRI) instrument site	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Warranty:	2-year comprehensive warranty for the system should be provided from the manufacturer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Local Agent	Should have a local agent/dealer to support installation, commissioning and training activities. If not, it has to commit/agree to arrange a local agent/dealer within a week (7 days) after award.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Manuals:	One set of operation manual and service manual (English language) should be supplied with instruments.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Installation, Testing and Commissioning	Instrument should be installed according to manufacturer instruction at the customer site without any additional cost	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
	Additional Special Requirement	If there are any additional special requirements (prefilter, carbon filter, pressure pump, online conductivity meter, overhead tank), other than municipal water line, power or drainage, the bidder should be responsibility to fulfilling those requirement	<input type="checkbox"/> Yes <input type="checkbox"/> No	Vendor to Confirm & Specify	
UNOPS the right to vary — Comparative Data Table					
	UNOPS Requirements		Is the bid complia	Details If bidder cannot comply, indicate the reason(s)	

			nt? Bidder to comple e	
			This column must be completed fully by bidders	
	UNOPS Right to vary requirements	At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20%, without any change in the unit prices or other terms and conditions of the ITB	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Delivery time- FCA- Lot 3	UNOPS prefers the goods to be delivered within 30-45 days under FCA as per Incoterms 2020 after Contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Delivery time- DAP- Lot 3	UNOPS prefers the goods to be delivered within 45-60 days under DAP as per Incoterms 2020 after Contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Bidder's quoted FCA point – FCA (Incoterms 2020)		<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
	Delivery place and Incoterms rules-Bidder confirms to deliver the items to: AHRI, Addis Ababa , Ethiopia.	DAP (Incoterms 2020).- AHRI Compound, Addis Ababa , Ethiopia	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details