

MINUTES OF PRE BID MEETING

Tender for Supply, Delivery, Installation & Commissioning of Laboratory Equipment for Department of Biosystems Technology, Faculty of Technological Studies

Tender No : UWU/AHEAD/RA1/R3/FTS/GOODS/NCB/LE/02

Date & Time : 22nd September 2020 & 11.00 a.m.

Venue : Admin Boardroom

The Following decisions were made at the Pre Bid Meeting

At the Pre Bids Meeting following clarification were made against the bidders' questions.

- a. Changes in specifications – Specifications of following items were changed at the Pre Bid Meeting (Refer annexure for new specification)

Item No	Description	Reference Annexure
1	Distillation Unit	Refer Annexure 01
2	Table mounted Water bath	
3	Analytical Balance	
4	Water activity meter	
5	Kjeldahl machine	
6	Freeze dryer (Bench top Prefer)	
7	Table mounted Viscometer	
8	Table top Homogenizer	
9	floor mounted foot sealer	
10	Top Loading balance	
11	Texture analyzer	
12	Table mounted vacuum packing machine	
13	Autoclaving machine	
14	Floor mounted mini Industrial rotary rack oven	
15	single door Top open chest freezer	
16	Beer, wine brewing kit bar	
17	Electric Noodle, Pasta, Spaghetti machine	

Chairman

Procurement Committee

Uva Wellassa University

Technical Specifications

Supply, Delivery, Installation & Commissioning of Laboratory Equipment for

the Department of Biosystem Technology

Faculty of Technological Studies

UWU/AHEAD/RA1/R3/FTS/GOODS/NCB/LE/02

No	Item	Component Description	Minimum Specifications	Bidder's Response (Yes/No)	If "No" comment/s on the offer
1	Water Distillation Unit	Capacity	04 L/hr or more / water tank storage 10 L or more.		
		Water consumption	1:10 or better		
		Configuration	Stand Control		
		Water Type	Regular water/Purified		
		Power	Three phase, 230 V, 50 Hz		
		Material	Corrosion proof / (Stainless Steel SS304/Glass/Polypropylene or better)		
			Fully glass cabinet structure		
			silica sheathed heater		
			all contact point with water with borosilicate glass		

			safety cut off for overheat when there is water supply issue		
			automatic cut off of water with power down		
			sensor to automatic control of water level in tank and auto restart with level decrease		
		Warranty	2 years or more		
2	Table mounted Water bath	Holes	6 or close		
		Rows	1 or more		
		Volume	Approximately 20 L		
		Heating mode	Bottom Heating		
		Temperature range	Room temperature to ~100 ° c		
		Temperature setting mode	Touch		
		Inner water sink	Electrolysis tread		
		Heater	U type Heating tube		
			Automated stop		
			Over temperature alarm		
	Warranty	2 years or more			
3	Analytical Balance	Capacity	0- 220g		
			Accuracy ± 0.0001g		

			Digital display		
		tare range	full		
			auto calibration		
			Stabilization time 03 Sec.		
			Pan Size : minimum 91mm dia.		
			The Unit should have Touch-key internal calibration (Automated calibration can be started by pressing keys)		
			The unit should have Durable, high-performance aluminum alloy or stainless steel mass sensor		
		Warranty	2 years or more		
4	Bench Top Water activity meter	Water activity range	0.030-1.000aw		
		Resolution	0.0001aw		
			Measurement Time 5 minutes or less		
		Temperature	0-60 °c		
		Sample cup capacity	12ml or Better		
		Accessories	Cleaning kit, filters price should be given separately		
		Dimension sample cup	diameter 40 mm* height 13 mm		

			Capacitive touch screen		
		Warranty	2 years or more		
5	Kjeldahl machine	The Kjeldahl machine will not quote for this bidding.			
6	Freeze dryer (Bench top Prefer) with vaccum pump	Application	Preserving the food samples		
			Vacuum and Freeze		
		Condenser capacity	5.5L		
			Automatic defrosting		
		power	three phase, 230 V , 50 Hz		
			Shelves 3 or more with distance ~ 10 cm		
			Area ~ 0.1 m ²		
		Water capture capability	3-4 kg/24h		
		vacuum degree	10Pa		
		Material capacity	1.5l		
		Cold trap temperature	-85 degree Celsius		
			Touch screen control unit is preferred		
	Higher corrosion resistant material (SS316 prefer)				

			Noise free Vacuum pump with maintains free		
		Warranty	2 years or more		
7	Table mounted Viscometer	Applications	semisolids and liquids (food sample analysis such as dairy products and beverages)		
		Measuring Range	1~100,000 mPa.s		
		Rotate Speed(r/min)	6 / 12 / 30 / 60		
		Display Resolution	1mPa.s		
		Sample Volume	10 ml~500ml		
			The maximum viscosity value measurable for the chosen combination of rotor and rotating speed can be automatically displayed in digital screen		
			Every accessories should be supply to measure every kind of sample types		
	Warranty	2 years or more			
8	Table top Homogenizer	Application	For processing milk and dairy products, fruit juices and food in general		
			flow rate ~10 L/h approximate		
			minimum Sample ~100 ml		

			Continuous pressure adjustment up to 2000bar		
			Wear resistant parts for abrasive products and consistent performance		
			Easy operation and limited maintenance		
			Guaranteed scalability		
			Touch panel for machine operation and monitoring		
		Power	Electric 230V, 50Hz		
			Corrosion resistance materials SS304 or better		
		warranty	2 years or more		
9	floor mounted foot sealer (Broad band)	Foot pedal heating sealer			
		Heating time	0- 2.5 sec		
			impulse power- 1800		
			sealing length- 800 mm or Higher		
		Dimensions	855*570*880 mm or similar		
			Automatic control		
			Power- Electric 230V, 50Hz		
			Adjustable seal head : yes		

			Resistant to corrosion SS304 or better materials		
		Warranty	2 years or more		
10	Top Loading balance	Accuracy	± 0.001g		
		Capacity	500 g or higher		
		Material	Stainless steel 304 or better		
			Digital display		
			Minimum pan size: (180 mm)		
			auto calibration		
		Accessories	Glass chamber		
			Stabilization time 03 Sec.		
		Warranty	2 years or Better		
11	Texture analyzer	Application	Food sample analysis (bakery Products, confectioneries, fruits and vegetables, dairy products, meat products)		
			Multi-stage programmable Universal Testing Machine with software designed for laboratory or production		
			Instrument Should Be Included with, Load cell, Standard Fixture Table, Probe adapter, Texture Lab Pro software, General Probe Kit.		

		Units	Matric - Mpa, kPa, PSI, kN, N, mN, kgf, gf, mm, s, min		
			Operating Temperature: 10-35 °C		
		Load Cell Options	Include 3 load cells: 1.0kg, 10.0kg, 50.0kg		
			Load cell should be changeable by the user in seconds, auto calibration		
		Probes	<p>cylinder probes; 12.7 mm\emptyset, 38.1 mm \emptyset, 25.4 mm \emptyset, conical probes; 90°, 60°, 45°, needle probes: 2 mm stainless steel, spherical probes; 10 mm</p> <p>(State the individual prices for probes separately, if they are not in the general kit)</p>		
		Fixtures	<p>9.5 mm chuck with 3 mm, 5 mm, 7 mm diameter stainless steel probes with 1 flat and 1 radius end, set of 9 stainless steel needle probes with 15 degree and taper, set of 2 mm Diameter stainless steel rods with corresponding base plate, 50 mm diameter platen, Rigid 80 mm frame support supplied with 0.3 mm diameter, large knife edge, Perspex knife edge, large craft knife, light weight three point bend, friable food support, butter and margarine spreadability Jig, Dual extrusion cells,</p>		

			<p>Universal testing cell with 195 ml capacity sample chamber and slotted ,drilled base plates for forward extrusion with 57 mm diameter piston plunger, for back extrusion 51 mm diameter plunger, Wire grip fixture, Lever Grip set, 6 mm diameter probe Dough Pots 25.4 mm Perspex probe, AACC 21 mm Diameter standardized aluminum Cylinder, Container Grips, Spherical sample holder</p> <p>(State the fixture prices separately if not included in the general kit)</p>		
		Force Resolution	1 part in 6500 dependent upon load cell capacity		
		Warranty	2 years or Better		
12	Bench Top Vaccum packing machine	Used for packing	meat, seafood, sausage, cooked food, vegetable, fruit.		
		Vacuum chamber size	330*275* 50 mm		
			single chamber		
		Function	Vacuum Pack, Seal Gas Flush (optional)		
		Dimensions	410*320*290 mm		

		Power Source	230 V, 50 Hz		
			Longer shelf life, protect food.		
		Warranty	2 years or Better		
13	Autoclaving machine	Capacity	Approximately 70L		
		Temperature	105- 132°C or higher		
		Time of the programme	0-99 hours		
		Material	Stainless Steel 304 or better		
			Auto discharge of cool air and steam		
			Automatics shutdown with beep sound as sterilization completes		
			Digital display		
			Safety standard for Vacuum chamber		
			All the accessories should be supply (10 Autoclavable vessels , gloves, parts for drainage)		
			Warranty	2 years or Better	
14	Floor mounted mini Industrial rotary rack oven	Capacity	100kg/h, 16 trays		
			Dimensions (length: 2500 mm width: 2000 mm height: 2300 mm)		
			Compact rotary rack oven for racks , rack six: L: 670mm , W:800 mm. H: 1750 mm or closer		

		operation mode	Automatic, steam injection option		
		Power	three phase, 230 V, 50 Hz		
		Body material	stainless steel (SS 316 or similar)		
			Double speed fan		
			Hood with exhauster		
			Powered steam generator, steam condenser, time/temperature display on the hood		
			Digital control panel with multifunction-rotary switch for a quick selection of the different controls, LCD screen, storable programs, automatic start		
			halogen lamps inside the baking chamber or similar option		
			Door with 180° opening for an easy handling of the racks in narrow places & Double glass on the door		
		warranty	2 years,		
15	single door Top open chest freezer	Capacity	140 L or higher		
		Gas	R 600a or latest		
		Temperature	- 18° C		
		power sources	230 V, 50 Hz		
		dimensions	Approximately (L*W*H) 965*593*885		
			LCD Display Pannel for Temperature and Humidity		
			Wire baskets with powder coating and higher corrosion free		
			Defrosting feature		
		Warranty	2 Years or better		
16	Beer, wine brewing kit bar	Capacity	20 L or more		
		all in one brew kit bar, bar accessories	yes		
		Material	S/S 304 or better		
		Operation	automatic		

		Dimension	Approximately 480*480*690 mm		
			All in one brew kit bar and other bar accessories should be supplied		
		Power	220-240 V,50 Hz		
		Warranty	3 years, or higher		
17	Electric Noodle, Pasta, Spaghetti machine (Labscale)	3 pcs equipped mold and 20 customized mold shapes & sizes			
		Material	S/S 304 or better		
		Dimensions	: Approximately 700*470*900 mm		
		Production capacity	15-25 kg/h or similar		
			Power-3 kW, 220 V, 50 Hz		
		Warranty	2 years comprehensive		