

2. Table 1 Scope of Supply:

UNIDO REQUIREMENTS			TO BE COMPLETED BY THE INVITEE			
EQUIPMENT						
Item	Name and required parameter	QTY	unit price in USD	total item price USD	compliance yes/no *	Remarks*
The equipment must be suitable for conditions prevailing in Uganda This equipment is indoor use, NOT outdoor use.						
	Raw material/ Product handling and Processing					
1	Stainless Steel Buckets/ troughs <ul style="list-style-type: none"> •Stainless steel(AISI304)or heavy duty plastic buckets/trough •20L Capacity 	34				
2	Work tables (AISI304) <ul style="list-style-type: none"> •Stainless steel work top, •Dimensions (m): 2m x 1m standard height 	21				
3	Trolleys <ul style="list-style-type: none"> • Min 50kg capacity mass transfer trolleys with wheels (stainless steel or food grade plastic) • Stainless steel, 2 levels, •Dimensions (m): 1m X 0.5m X 0.81m (H) 	16				
4.1	Storage shelving (Specific to Bana Beverages Uganda Ltd) <ul style="list-style-type: none"> • 3 layered 29m(L) X1m(Deep) x 3m(Height) (To be split between ripening and final product storage areas, refer to Annex 1 for dimensions of rooms)	1				
4.2	Storage shelving (Specific to St. Peters Rockhill Processors Association) <ul style="list-style-type: none"> • 3 layered 15m(L) X1.5m(Deep) x 3m(Height) (To be split between ripening and final product storage areas, refer to Annex 1 for dimensions of rooms)	1				
4.3	Storage shelving (Specific to Kiaga (U) Ltd) <ul style="list-style-type: none"> • 3 layered 52m(L) X1m(Deep) x 3m(Height) (To be split between ripening and final product storage areas, refer to Annex 1 for dimensions of rooms)	1				
5	Weighing scale <ul style="list-style-type: none"> • Standard 0-100kg scales • Mechanical platform, loose weight vibrating steelyard of corrosion –resistant metal, raised graduations and figures (front and rear reading), • Tumbler locking device 	8				

6	Weighing scale <ul style="list-style-type: none"> 0-5kgs, Digital battery powered or electric 	6				
7	Waste/Rubbish crusher for biogas unit (5HP motor)- <ul style="list-style-type: none"> Manual shredder to shred banana waste to feed the bio digester 	6				
8	Banana pulping machine <ul style="list-style-type: none"> 250kg cap fruit pulping unit with bulk outlet and pouring/discharge capability of 10HP Supplied with the necessary accessories 	2				
9	Coarse Sieving/filtration unit <ul style="list-style-type: none"> 1 stage (1-chamber) filtration system of 15 microns. 3-phase power; capacity; Easy to maintain; Volume transfer / yield minimum 500l/hr. (Should be able to handle hot and cold liquids) Supplied with the necessary accessories for installation 	7				
10	Fermentation or aging tanks <ul style="list-style-type: none"> 2000L stainless steel (AISI304) with sampling taps and room for sedimentation Quick emptying U bottom 	74				
11	Volume transfer pump <ul style="list-style-type: none"> 500L/hr volume transfer pumps (Should be able to handle cold and hot liquids) 	5				
12	Bottle drying rack (rack with protrusions were standard beer/wine bottles (330 and 750ml) are inserted facing downwards to dry) Capacity of rack: <ul style="list-style-type: none"> 1000 bottle drying rack 	6				
13	Pasteurizing units/pots <ul style="list-style-type: none"> 2x 200L Double Jacketed batch pasteurization kettles/pots; Stainless Steel (AISI304) (Use biogas heating system already installed)	12				
14	Super jet fine filter (or centrifugal separator unit 500L/hr) (for Kiaga (U) Ltd, Bana Beverages and St. Peters Rockhill Processors Association) <ul style="list-style-type: none"> Self-prime pump filtering surface 1200 square cm filtering time: ~270 L/ hour 3 grades of pads: coarse, polish, and sterilizing, dimensions (cm): 49 x 26 x 46 (H), weight: 13 Kg Supplied with the necessary accessories for installation 	8				
15.1	Manual (automated volume) 4 head Bottle filling unit. (Specific for Bana Beverages Uganda Ltd and Kiaga (U) Ltd)	2				

	• 4 head bottle filler, manual (500L/hr)					
15.2	Manual (automated volume) 4 head Bottle filling unit.(Specific for St. Peters Rockhill Processors Association) • 4 head bottle filler, manual (1000L/hr)	2				
16	Automated volume 4 head Bottle filling unit.(Specific for Silgad Investments (U) Ltd) <ul style="list-style-type: none"> • 4 head bottle filler, manual (1000L/hr) • Low maintenance; Easy to use control display panel / or LCD. Capping screw cap, • Aseptic filling, Non-forming / pneumatic filling machine/mechanism. cold filling; • Speed: 20 bottles per minute (speed adjustable) filling accuracy+/-1%, non drip, volume adjustable, conveyor. • Volume range: 100-500ml; capping accuracy >99% • Where applicable with relevant compressor. SUS304 for contact parts. • Capping capability: screw caps cap pickup, vibratory bowl able to hold at least 200cups; • Adjustable height so that pickup of caps is done smoothly. • 3-phase power operated. (Should be fitted with an Industrial date coder mounted on filling conveyor.) • Capability for print height 0.6mm-18mm, up to 5 lines, LCD display, • print speed at least 60m/min • Supplied with the necessary accessories for installation 	1				
17	Manual bottle capping units for metal screw caps	10				
18	Manual labelling unit for round bottles of 330ml - 750ml	9				
19	Bottle holding standard plastic crates(to hold at least twelve (12) 750ml bottles	10				
20	Manual date coder	5				
21	Refractometer <ul style="list-style-type: none"> • Portable food grade standard juice refractometer • Size: 30*40*180mm • Min. Div.: Brix 0.1% • Measurement: 0-32 degrees Brix • Weight: 250g • Brix Range: 0-10% 	6				
22	Vinometer/wine Alcohol meter <ul style="list-style-type: none"> • 0-20% capabilities. Specialized wine alcohol meters 	10				
23	Hydrometer	10				

	<ul style="list-style-type: none"> • Portable Triple scale wine hydrometers 					
24	pH meter <ul style="list-style-type: none"> • Portable standard scale digital pH meter • Benchtop, pH Range:-2.00 to 16.00, • Range (mV):±2000, • Temperature Range (°C):0 to 110, • Accuracy (pH): ±0.01 pH • Precision: 0.1, with buffers 	10				
	Sub-Total, EX-Works:					
	II. Cost of transportation: DAP					
	III. Cost of Insurance at 110%:					
	IV. Cost of installation, testing and commissioning					
	Total price (USD):					

*) compliance must be confirmed in detail by the contractor's offer and technical documentation and will be verified by UNIDO during technical evaluation;

**) if not compliant with UNIDO's required parameters, the invitee must indicate his parameters in this column

The supplier is responsible to pack and deliver the items to the indicated four (4) sites DAP (see section 6).