

CONFIDENTIAL

TENDER NO:



COUNTY GOVERNMENT OF KERICHO

DEPARTMENT OF FINANCE AND ECONOMIC PLANNING.

TENDER DOCUMENT

BILLS OF QUANTITIES

FOR

**SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF A PINEAPPLE
PROCESSING PLANT, RORET, KISIARA WARD.**

AT

BURETI SUB COUNTY.

Prepared By:

The County Quantity Surveyor,
Department of Lands Housing and Physical Planning,
P.O Box 112-20200,
KERICHO, KENYA.

Issued By:

MARCH 2025

Item	Description	QTY	NO	Rate	Amount
	<u>PINEAPPLE PROCESSING PLANT</u> <u>Supply,Install, Test and Commission a Pineapple Processing Plant, with the following specifications or any other Equal and approved Quality</u>				
i	<u>Water Treatment Plant</u> Capacity:1000L, Filters: Active Carbon Filter, Sodium-ion Filter, Micro Filters Pipes, Fittings and Valves. Pressure Gauge Material: 3MM Thickness SS304, RO Systems Pipes, Fittings, Valves. Electricity Control Box, Conductivity Meter, Flow meter, Pressure Gauge	pcs	1		
ii	<u>Belt Sorting</u> Processing capacity : 1 ton/hour Power : 0.75KW	set	1		
iii	<u>Elevating Cleaning Machine</u> Hoist power : 0.75KW, Circulating water pump power : 1.1KW, Fan power : 1.1KW Effective width of hoist : 650mm Size:2750*1050*1550mm This machine is composed of water tank, hoist, circulating flushing pump, fan, conveyor chain plate and other components	set	1		
iv	<u>Pineapple Crushing & Juice Extracting Machine</u> Crushing and extracting juice integrated. Power:1.5KW+2.2KW, Size:900×380×1250mm	set	1		
v	<u>Juice Separator Machine</u> Capacity: 500KG/H Material: SS304 Power: 5.5KW Size: 1000X1000X1200MM Weight: 500KG	set	1		
vi	<u>Juice Filter</u> Capacity: 500L/H. Material Touch Parts SS304, Other SS304, Thickness 2mm. 100mesh, inlet and outletφ25	pcs	1		
vii	<u>Low Level Tank</u> Capacity: 300L Effective diameter of the tank: 1000mm Appearance: Φ1000×600mm	pcs	1		
viii	<u>Mixing Tank (Three Layer)</u> Capacity: 500L Material: SS304 SUS304, keep warm, temperature meter, nozzle, agitator:40rpm, inlet& outlet: φ51, glass scale, side inlet and outlet bottom, inlet is 450mm higher than earth, inner layer:3MM, outer layer:2MM	pcs	2		
ix	<u>Double Filter</u> Capacity: 3000L/H. SUS304, Thickness 2mm.100mesh, inlet and outletφ50	pcs	1		
x	<u>Homogenizer</u> Material SS304 Capacity: 1000L/H Pressure: 25Mpa Diameter Inlet: 40MM Diameter of Homogenizing: 15MM Outlet: 1/2" MM Power: 5.5KW Machine Size: 1150X950X1300MM Weight:800KG	pcs	1		
xi	<u>Semi Auto plate Sterilizer Machine</u> SUS304, Sterilizing tem: 121/125 degress/c5-15s homogenizing tem : 65-70 degress c PID auto control Production capacity (0.5T/h) electric heating, sterilizer temperture:120-degree, Size: 800X800X1500MM Weight: 350KG	pcs	1		
xii	<u>Juice Storage Tank (Double Layer)</u> Capacity:500L Material: SUS304 , Storage tanks for juice, thickness 3mm, single jacket	pcs	1		
xii	<u>UV Sterilizer</u> Capacity: 1000LPH Sterilizing Rate: 99.9% Voltage 220V SS304 Water Capacity 1--100 Working Pressure 0.2--0.6Mpa	pcs	1		
	Total for all the Items above				

Item	Description	QTY	NO	Rate	Amount
i	<u>Pure water storage Tank</u> Capacity:1000L Material: SUS304 or any Other Equal	pcs	1		
ii	<u>Pipes, Fittings, valves and Pump</u> SS304 25.SS Pipes, Butterfly Valve, Pull-Rod Valve, Elbow, O-Ring, Clamps, T, Bolts, Nuts, Ball Valve, Reducer, Fast Joint	item	1		
iii	<u>CIP Cleaning system</u> Capacity:500L Closed Manhole Covers Power: 3KW,Pipe Filter:100mesh 3T CIP Pump 6 M2 Plate Heat Exchanger, AC control SS 304 Distribution Plate	pcs	1		
iv	<u>Screw Pump</u> Capacity:3000KG/H Material:SS304 Power:1.5KW,Pressure:0.6Mpa, 3 m³/h, Rotating speed:960r/min	set	2		
v	<u>Juice pump</u> Capacity: 3T/H Raise Distance: 24M Wing Wheel ,380V/50Hz ,Power: 2.5KW Motor Speed: 2850R/MIN,Size: 600X340X440MM Weight: 70KG	set	4		
vi	<u>Pipes,Fittings, Valves for CIP lines and process line</u> SS304 51/38/32.Pipes,Butterfly Valve,Pull-Rod,Valve,Elbow,O-Ring,Clamps,T, Square Pipe,SS Sheet,Bolts, Nuts,Ball Valve,Reducer,Fast Joint,Inner Thread, Outer Thread.Galvanized Iron Water Pipe,Steam pipe	Item	1		
vii	<u>Control panel</u> Power Control Box: 1000X700X2200MM Pure Water Control Box: 400X300X500MM Spare Control Box:	set	1		
viii	<u>Steam Boiler</u> Rated steam capacity0.5t/h Rated working pressure7Bar Steam temperature164°C Feedwater temperature20°C Heat area12m²	Set	1		
ix	<u>Air Compressor</u> Pressure : 0.8mpa Voltage 380V	Set	1		
x	<u>Manual Type Bottle Washing Machine</u> CP-24 bottle rinsing machine The number of washing heads:24 Capacity of washing Capacity 20000B/H Power:0.75KW Size:900*900*1400MM Weight:150KG Material: All 304 stainless	set	1		
xii	<u>4 Heads Filling Machine</u> Filling heads: 4 heads Filling efficiency:600-800 BPH Motor power: 0.75kw Filling accuracy: ±1%	set	1		
Total for all the Items above					

Item	Description	QTY	NO	Rate	Amount
i	<u>Single Head Automatic Capping Machine</u> Capping head: 1head Power: 1kw Adapt to bottle diameter: $\phi 50\text{-}\phi 105\text{mm}$ Adapt to bottle height: 190-260mm Dimensions: 900×710×1950mm Output (bottle type): 2000 BPH	set	1		
ii	<u>Semi-automatic Labeling Machine</u> Labeling Speed: 20-40b/min, Labeling Accuracy: $\pm 1\text{mm}$, Product Size: Diameter 18-120mm; Height: 30-250mm ; Label Range: L230mm, W 150mm Maximum Label Size: Outer diameter 275mm, Inner diameter 75mm, Voltage: 220V, 50HZ/60HZ Machine Size: 550*450*270mm	set	1		
iii	<u>Inkjet Printer</u> Range 1-3 lines (English, number and other characters) Letter height 1.5-15mm Spray speed 8m/s (5x7 lattice single row) Print speed 2000 letters/s(5x7 lattice row) Complete stainless steel Voltage 220V $\pm$ 20AVC Power 120W Nozzle 45x40x180mm	set	1		
iv	<u>Cold Storage</u> Installation,testing and commisioning of cold room comprising of 7HP condensing unit.Surface Area:7000x5000mm,Unit Body:100mm XPS panels with 2.2m sliding door, Power:240V/50Hz/3PH,Cooling capacity:40000kcal/h, Refrigerant:R404.	set	1		
v	<u>Chiller Machine system</u> Cooling capacity 15HP power 3P-380V-50Hz R407C Cooling capacity:25800kcal/h, Evaporation:200L/min, Weight: 400KG	set	1		
vi	<u>Back up generator</u>				
a	<u>Generator Set</u> The scope of work comprises the supply, erection, wiring connection, testing, commissioning and setting to work, a 200 kVA sound-proofed 3phase Diesel standby Generator as Perkins or an equal and approved, together with a control panel in accordance with specifications and contract drawings to provide a complete and operable installation.	set	1		
b	<u>Control panel/ Changeover</u> Provide a control panel with an automatic contactor unit, which on failure of the normal electricity supply will automatically initiate the starting off and effect the transfer of load to the stand-by generator. The unit shall contain power motorized change over 800Amps and ancillary apparatus as specified.	set	1		
c	<u>Cabling/Earthing</u> i. Supply and install 4No steel circled copper earth rods, 1200mm x 12mm threaded for extension, connected by brass clamps to 30 meters of 25mm x 3mm copper earth tape laid in trenches of minimum depth 300mm and fixed to the wall of the generator room with brass spacer bar saddles at 1 meter intervals, connected to the station earth bar via a brass test clamp. ii. Provide necessary or required cabling	lot	1		
	<u>Installation materials</u> Allow for assorted materials and attendance charges and Installation cost upto including all the Electrification works	Sum	1		
Total for all the Items above					

Item	Description	Unit	Amount
A	<u>BILL NO. 02</u>		
	<u>PRIME COSTS, PROVISIONAL & CONTINGENCY SUMS</u>		
	<u>Project Management</u>		
	Allow a Provisional Sum of Kenya Shillings Three Hundred and Fifty Thousand Only (Kshs. 350,000.00) for Project Management.	Sum	350,000.00
TOTAL FOR PROVISION AND PC SUMS CARRIED TO SUMMARY			350,000.00

COUNTY GOVERNMENT OF KERICHO					
DEPARTMENT OF FINANCE AND ECONOMIC PLANNING.					
SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF A PINEAPPLE PROCESSING PLANT, RORET, KISIARA WARD.					
GRAND SUMMARY					
BILL NO.	DESCRIPTION				AMOUNT
1	Pineapple Processing Plant				
2	Prime Costs & Provisional Sums				350,000.00
	TOTAL CARRIED TO FORM OF TENDER (Amount inclusive of 16% VAT & Withholding Tax)		Kshs.		
	AMOUNT IN WORDS (Amount inclusive of 16% VAT and Withholding Tax) Contractor's Official Rubber Stamp Name of Witness Contractor's Signature Address Of Witness Date: Date: 				