



TEA BOARD OF KENYA

Realizing the Tea Promise

ADDENDUM 1:

Date issued: **08/11/2023**

Tender Name: **SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF MACHINERY FOR INCUBATION CENTRE FOR SPECIALTY AND VALUE ADDED TEAS (RE- ADVERTISED)**

Tender No: **TBK/OT/01/2023-2024**

Tea Board of Kenya **notifies all prospective bidders** that the tender closing/ opening date for Supply, Delivery, Installation, Testing and Commissioning of Machinery for Incubation Centre for Specialty and Value Added Teas (Re- Advertised), Tender No: TBK/OT/01/2023-2024 advertised on 2nd November 2023 has been extended from Tuesday 14th November 2023 to **Monday 20th November 2023 at 11:00 am**. This has been occasioned by the addendum on equipment posted Wednesday 8th November 2023.

Prospective bidders are requested to obtain more information and download the addendum from the websites www.teaboard.or.ke or www.tenders.go.ke .

Bidders should note that any further communication shall be made through the above websites.

MACHINERY SPECIFICATIONS FOR THE ESTABLISHMENT OF AN INCUBATION CENTER

No.	EQUIPMENT	SPECIFICATION	QTY	BIDDER'S RESPONSE
1.	Tea Withering Machine Completely (Complete)	Dimensions - 10800*1100*1150mm Voltage /frequency-380V 50HZ Heating element-Heating wire 6Total Heating power-18KW 7heating element group-3 Group Fan power-250W Motor speed-2200r/min Rated voltage-220V	5	

No.	EQUIPMENT	SPECIFICATION	QTY	BIDDER'S RESPONSE
2.	Tea Withering Fan	Size 8905*1100*1150 Voltage 380V 50HZ Heating Type Electric Heating Wire Heating Power 18 kw, Fan Motor Power 250W 370W Fan Motor Speed 850 rpm Fan Motor Voltage 220V / 380V Matchable Withering Length 7500-10000mm	2	
3.	Tea Fixation Pot(Imitation manual fixing)	Pot Materials-Cast Iron Dimension (L*W*H)- 1300*1780*1550mm Voltage-380V 50HZ Heating Type -Gas Total power-0.7KW Pot inner depth-1000mm Pot inner depth-950mm Drive motor (Power-0.5KW; Speed-1400rpm;Voltage-220V) Blow Motor (Power-120W; Speed-1400rpm; 3 Voltage220V) Pot speed-5-37rpm Efficiency-20kg/time	1	
4.	Tea Hand Roasting Pot	Pot materials-Carbon steel Dimension-770*700*780mm Voltage-220V/50Hz Heating element-Electric heating wire Heating power-4.5KW Pot diameter-570mm Pot depth-220mm Efficiency-2kg/time	2	
5.	Bamboo Type Natural Wither Rack	Size 1120*680*2100mm Sieve Diameter-110cm Layers-20pcs Layer height-12cm Sieve Materials-All Bamboo Rack Materials-Galvanized Steel /Stainless steel Capacity 50kg/batch Application -All kind of teas	40	
6.	Bamboo Type Natural Wither Rack	Size 1120*680*2100mm Sieve Diameter-110cm Layers-20pcs Layer height-12cm Sieve Materials-All Bamboo Rack Materials-Galvanized	10	

No.	EQUIPMENT	SPECIFICATION	QTY	BIDDER'S RESPONSE
		Steel /Stainless steel Capacity 50kg/batch Application –All kind tea		
7.	Gas Heating Tea Fixation Machine	Inner Drum Materials (contact with tea) Stainless steel Outer drum material-Stainless steel Dimensions-1330*2400*2010mm Voltage-220V/380V Drum inner diameter-1000mm Drum inner length -1250mm Drive motor (Power-0.75KW; Speed-1400rpm; Voltage380V)	1	
8.	Electric Heating Tea Fixation And Revolving Dryer	Inner drum materials-Stainless Steel Dimension (L*W*H)2100*1300*1940mm Voltage 380V Inner drum diameter-1100mm Inner drum length-1000mm Drive motor (Power-1.5KW; Speed-1400rpm; Voltage-220V/380V) Blower Motor –(Power-0.15KW; Speed-2900rpm;Voltage -220V) Drum speed-5-37rpm Heating type-36KW Efficiency-35kg/batch	1	
9.	Tea Rolling Machine	Dimension 2200*1800*2150 mm Input voltage 380V / 50Hz Tea disc diameter 1600 mm Barrel diameter 850 mm Barrel height 700 mm Matching motor Power 5.5 kw Speed 1430 RPM Rated voltage 3380 V Barrel speed 35 RPM Weight 1350 kg Capacity per batch 240 kg/h Capacity for green tea 2402400 kg/h Capacity for black tea 240-480 kg/h	1	
10.	Ball shaping Machine	Components: -PLC Voltage: -220Power: 0.55kw Weight: -400 KG Dimension (L*W*H): 1800*800*1000mm Processing Types: -Tea leaf Number of pots: 2 Fan power: 0.12x2kw Usage: Ball tea roasting machine	1	

No.	EQUIPMENT	SPECIFICATION	QTY	BIDDER'S RESPONSE
11.	Oolong Tea Shaking Drum Machine	Input voltage-220V/380V Dimensions (L*W*H)- 3050*920*1350mm Roller diameter-900mm Roller length-2500mm Drive motor Power- 0.75KW Drive motor speed-1400r/min Drive motor Rated voltage- 220V/380V Working speed of roller-0- 30r/min Roller materials-Bamboo Capacity-120kg/batch Application-Oolong tea	1	
12.	Wood/Coal Heating Hot Air Oven	Size (L*W*H)- 11500*2120*2230mm Voltage 380V Drying area-60m2 Drying plate later-8 Drying time-8-90min Heating element-Hot air stove Fuel -Wood /Coal/pellet fuels Oven model-FP-150 Wood Consumption-210- 240kg/h Drive motor-(Power-5KW; Speed-1400rpm; Voltage380V) Feed motor- (Power0.55KW;Speed - 1400rpm; Voltage-380V) Moisture content of wet tea- 50% Moisture content of dried tea- 5% Weight loss per m3 per hour- 6kg Capacity for wet tea-610kg/h Capacity for dried tea-330kg	1	
13.	Big Leaf Cutting Machine	Dimension-760*1350*900mm Voltage-220V/50HZ Belt drive motor (Power1.1KW; Speed1400rpm; voltage- 220V) Blade drive motor-only one motor (Power-400W; speed1400rpm;Voltage- 220V) Conveyor belt width-500mm Effective cutting width-490mm	1	

No.	EQUIPMENT	SPECIFICATION	QTY	BIDDER'S RESPONSE
		Efficiency-250kg/h		
14.	Mini Boiler	Description: -Mini Wood fired boiler for steam generation fuel: -Wood, Coal, Bagasse, Biomass, etc. Capacity: -0.3 TPH to 10 TPH1-2 tons	1	
15.	Deblocking and Sieving Machine	kg/h hourly capacity kg/h ≥ 300 kw Motor power kw 0.75 outline dimension (length x width x height) mm 2200x900x1000 Work voltage V 380v	1	
16.	Large Type Winnow Machine	Dimensions (L*W*H)4080*760*2130mm Voltage/frequency-380V/50Hz Feeding Method-Hoister Grade -4 Level Fan speed control mode-YCT speed regulation Fan power-1.5KW Motor speed-1400r/min Rated voltage-380V Hoist power-1.1 KW Lifting Height-1560mm Conveying Bandwidth-225mm Output per hour-500kg/h	1	
17.	Electrostatic Sorting Machine	CTC Tea, Orthodox tea Electrostatic fiber removal and sorting machine, capacity 500kg	1	
18.	Stalk Sorter	• Net with of sorting bed 820mm • Total Weight 200kg • Dimension 1760x400x1170mm Capacity 80kg/h Power 0.55kw(220/240volts)	1	
19.	Electrostatic Dust Removal Cleaner	Size-7245*2025*1885mm Power-2.97KW Roller Length-1350mm Roller Quantity-6pcs Rate-92%	1	
20.	Tea sorter - Color	Capacity 125 - 200 KG / HR Power Consumption- 2KVA Material - Stainless Steel	1	

No.	EQUIPMENT	SPECIFICATION	QTY	BIDDER'S RESPONSE
21.	Sealing machine	Motor 50Hz • Motor power 0.5kw (220/240volts) • Sealing speed 0~12m/min • Sealing width 6~10mm • Temperature control area 0~300°C • Max loading weight 5kg • Weight 23kg • Dimension 810X370X320mm	1	

PRICE SCHEDULE

No.	EQUIPMENT	SPECIFICATION	QTY	UNIT COST ((KSHS)	TOTAL (KSHS)
1.	Tea Withering Machine Completely (Complete)	Dimensions - 10800*1100*1150mm Voltage /frequency-380V 50HZ Heating element-Heating wire 6Total Heating power-18KW H7eating element group-3 Group Fan power-250W Motor speed-2200r/min Rated voltage-220V	5		
2.	Tea Withering Fan	Size 8905*1100*1150 Voltage 380V 50HZ Heating Type Electric Heating Wire Heating Power 18 kw, Fan Motor Power 250W 370W Fan Motor Speed 850 rpm Fan Motor Voltage 220V / 380V Matchable Withering Length 7500-10000mm	2		
3.	Tea Fixation Pot(Imitation manual fixing)	Pot Materials-Cast Iron Dimension (L*W*H)- 1300*1780*1550mm Voltage-380V 50HZ Heating Type -Gas Total power-0.7KW Pot inner depth-1000mm Pot inner depth-950mm Drive motor (Power-0.5KW;	1		

No.	EQUIPMENT	SPECIFICATION	QTY	UNIT COST ((KSHS)	TOTAL (KSHS)
		Speed-1400rpm;Voltage-220V) Blow Motor (Power-120W; Speed-1400rpm; 3 Voltage220V) Pot speed-5-37rpm Efficiency-20kg/time			
4.	Tea Hand Roasting Pot	Pot materials-Carbon steel Dimension-770*700*780mm Voltage-220V/50Hz Heating element-Electric heating wire Heating power-4.5KW Pot diameter-570mm Pot depth-220mm Efficiency-2kg/time	2		
5.	Bamboo Type Natural Wither Rack	Size 1120*680*2100mm Sieve Diameter-110cm Layers-20pcs Layer height-12cm Sieve Materials-All Bamboo Rack Materials-Galvanized Steel /Stainless steel Capacity 50kg/batch Application –All kind of teas	40		
6.	Bamboo Type Natural Wither Rack	Size 1120*680*2100mm Sieve Diameter-110cm Layers-20pcs Layer height-12cm Sieve Materials-All Bamboo Rack Materials-Galvanized Steel /Stainless steel Capacity 50kg/batch Application –All kind tea	10		
7.	Gas Heating Tea Fixation Machine	Inner Drum Materials (contact with tea) Stainless steel Outer drum material-Stainless steel Dimensions-1330*2400*2010mm Voltage-220V/380V Drum inner diameter-1000mm Drum inner length -1250mm Drive motor (Power-0.75KW; Speed-1400rpm; Voltage380V)	1		
8.	Electric Heating Tea	Inner drum materials-Stainless Steel Dimension			

No.	EQUIPMENT	SPECIFICATION	QTY	UNIT COST ((KSHS)	TOTAL (KSHS)
	Fixation And Revolving Dryer	(L*W*H)2100*1300*1940mm Voltage 380V Inner drum diameter-1100mm Inner drum length-1000mm Drive motor (Power-1.5KW; Speed-1400rpm; Voltage-220V/380V) Blower Motor -(Power-0.15KW; Speed-2900rpm;Voltage -220V) Drum speed-5-37rpm Heating type-36KW Efficiency-35kg/batch	1		
9.	Tea Rolling Machine	Dimension 2200*1800*2150 mm Input voltage 380V / 50Hz Tea disc diameter 1600 mm Barrel diameter 850 mm Barrel height 700 mm Matching motor Power 5.5 kw Speed 1430 RPM Rated voltage 3380 V Barrel speed 35 RPM Weight 1350 kg Capacity per batch 240 kg/h Capacity for green tea 2402400 kg/h Capacity for black tea 240-480 kg/h	1		
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No.	EQUIPMENT	SPECIFICATION	QTY	UNIT COST ((KSHS)	TOTAL (KSHS)
12.	Wood/Coal Heating Hot Air Oven	Size (L*W*H)- 11500*2120*2230mm Voltage 380V Drying area-60m2 Drying plate later-8 Drying time-8-90min Heating element-Hot air stove Fuel -Wood /Coal/pellet fuels Oven model-FP-150 Wood Consumption-210-240kg/h Drive motor-(Power-5KW; Speed-1400rpm; Voltage380V) Feed motor- (Power0.55KW;Speed - 1400rpm; Voltage-380V) Moisture content of wet tea- 50% Moisture content of dried tea- 5% Weight loss per m3 per hour- 6kg Capacity for wet tea-610kg/h Capacity for dried tea-330kg	1		
13.	Big Leaf Cutting Machine	Dimension-760*1350*900mm Voltage-220V/50HZ Belt drive motor (Power1.1KW; Speed1400rpm; voltage-220V) Blade drive motor-only one motor (Power-400W; speed1400rpm;Voltage-220V) Conveyor belt width-500mm Effective cutting width-490mm Efficiency-250kg/h	1		
14.	Mini Boiler	Description: -Mini Wood fired boiler for steam generation fuel: -Wood, Coal, Bagasse, Biomass, etc. Capacity: -0.3 TPH to 10 TPH1-2 tons	1		
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No.	EQUIPMENT	SPECIFICATION	QTY	UNIT COST ((KSHS)	TOTAL (KSHS)
		2200x900x1000 Work voltage V 380v			
16.	Large Type Winnow Machine	Dimensions (L*W*H)4080*760*2130mm Voltage/frequency-380V/50Hz Feeding Method-Hoister Grade -4 Level Fan speed control mode-YCT speed regulation Fan power-1.5KW Motor speed-1400r/min Rated voltage-380V Hoist power-1.1 KW Lifting Height-1560mm Conveying Bandwidth-225mm Output per hour-500kg/h	1		
17.	Electrostatic Sorting Machine	CTC Tea, Orthodox tea Electrostatic fiber removal and sorting machine, capacity 500kg	1		
18.	Stalk Sorter	<ul style="list-style-type: none"> • Net with of sorting bed 820mm • Total Weight 200kg • Dimension 1760x400x1170mm Capacity 80kg/h Power 0.55kw(220/240volts)	1		
19.	Electrostatic Dust Removal Cleaner	Size-7245*2025*1885mm Power-2.97KW Roller Length-1350mm Roller Quantity-6pcs Rate-92%	1		
20.	Tea sorter - Color	Capacity 125 - 200 KG / HR Power Consumption- 2KVA Material - Stainless Steel	1		
21.	Sealing machine	Motor 50Hz <ul style="list-style-type: none"> • Motor power 0.5kw (220/240volts) • Sealing speed 0~12m/min • Sealing width 6~10mm • Temperature control area 0~300°C • Max loading weight 5kg • Weight 23kg • Dimension 810X370X320mm 	1		

No.	EQUIPMENT	SPECIFICATION	QTY	UNIT COST (KSHS)	TOTAL (KSHS)
Total costs inclusive of all applicable taxes in Kenya Shillings					

Name of Tenderer:

Signature of Tenderer:

Stamp and Date:

All other tender conditions remain the same.

**SUPPLY CHAIN MANAGEMENT SERVICES
FOR: Ag. CHIEF EXECUTIVE OFFICER
TEA BOARD OF KENYA**