



KINGDOM OF CAMBODIA  
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**Institute of Technology of Cambodia**

Training a new generation of entrepreneurs in sustainable agriculture and food engineering (FoodSTEM)

REF: 610052-EPP-1-2019-1-KH-EPPKA2-CBHE-JP

**Date: 14<sup>th</sup> June 2021**

**To: All Eligible Bidders**

**Subject: Invitation Quotation to Supply Food Processing equipment  
(AgriFood Lab)  
For the Training a new generation of entrepreneurs in sustainable  
agriculture and food engineering project (FoodSTEM)**

You are kindly invited to provide us with your sealed quotation for the supply of Food Processing equipment (Agri-Food Lab).  
Project's requirements are listed below:

Item	Specification	Quantity	Statement of Compliance Bidders must state here either "Comply" or "Not Comply"
	Lot 1 (ITC)		
<b>1</b>	<b>Electric Deep Fryer Twin Tank Oil</b>	<b>1 Set</b>	
	Function: Deep fried production		
	Approx. Dimension: 570Wx480Dx335H (mm)		
	Double pan fryer: 5–6-liter per tank		
	Frozen chips production: 10-13 Kg/hr		
	Power: 220-240V, 2 x (10-15A), 2 x (2,300-3600W)		
	Material: Stainless Steel		
	Accessories: include 2 x Fry baskets		
	Temperature range: 50 °C to 200 °C (± 5%)		
	Heat up time: less than 30 min		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years		

	on service		
<b>2</b>	<b>Drying Oven</b>	<b>1 Set</b>	
	Function: Drying food products		
	Approx. Dimensions(mm): 600Wx750Dx650H		
	Capacity: 250L		
	PID control with LED display		
	Power: 220-240V, 2,000-2,500W		
	Material: Stainless steel interior, adjustable shelves		
	Temperature range: 40°C to 300°C (+/-5%), with over-temperature protection		
	Timer: Digital backwards counter with target time setting, adjustable from 1 minute to 99 days		
	Fan: forced air circulation by quite air turbine, adjustable in 10 % steps for each segment individually		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>3</b>	<b>Fruit grinder</b>	<b>1 Set</b>	
	Function: fruit blender		
	Capacity jar: 2L-4L		
	Power: 220-240V, 1,400-2,000W		
	Material: metal for main body		
	Safety: Dishwasher safe, variable speed, automatic shut off, pulse.		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>4</b>	<b>Meat grinder</b>	<b>1 Set</b>	
	Function: Meat production processing such as sausage, burger		
	Approx. Dimension (mm): 500Lx200Wx360H		
	Speed control: 3 speeds option (high, low, reverse and stop)		
	Capacity: 80-100Kg per hour		
	Power: 220-240V, 1,000-2,000W		
	Material: All main parts and accessories as Stainless steel (304 or 316)		
	Accessories: • Meat feed try with approx. dimension (mm): 250Lx200Wx50H • Cutting Blades: 3 sets • Grinding Plates: 6 sets including 1 Sausage Stuffing Plate		

	• Set of 3 size of sausage stuffing tube with adapter		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>5</b>	<b>Cereal grinder</b>	<b>1 Set</b>	
	Function: Electric mill grinders is suitable for home and kitchen use. It uses for homemade spices, powder, crushed dry food such as cassava, herbs, seeds, coffee beans, corn, rice, beans, nuts, etc.		
	Approx. Dimension(mm): 400Lx400Wx950H		
	Speed control: 2,000 -3,000 rpm		
	Capacity: 1,000 g		
	Power: 220-240V, 2,000-3,000W		
	Material: Stainless steel (304 or 316)		
	Fineness: 50-300 mesh		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>6</b>	<b>Mixer</b>	<b>1 Set</b>	
	Function: Flour and food material mixing		
	Approx. Volume: Round bowl with capacity of 4L-6L		
	Speed control: Multispeed control		
	Mixing Capacity: 700-1,000 g		
	Power: 220-240V, 300-500W		
	Material: Stainless steel (304 or 316) of bowl and tools		
	Accessories/ consumable • Metal kneading hook: 3 sets • Whisk: yes • Flat beater: yes • Metal bowl: yes		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>7</b>	<b>Gas stove</b>		
	Function: Heat for cooking by gas and/or LPG fuel		
	Approx. Dimension(mm): 730Lx410Wx160H		
	Burner Input (kW): 2 x 4.6 (L & R)		
	Burner Head: Brass		
	Materials: Body: Glass and Stainless steel; Burner: stainless steel		

	Ignition: Piezo		
	Accessories/Consumable: • Pressure regulator • Cylinder hose gas pipe heavy duty (2.5 meters) • Gas cylinder (15Kg) • Gas lighter: 1 pc		
	Condition: Brand New		
	Warranty: Guarantee on-off valve and stainless-steel burner for 5 years		
<b>8</b>	<b>Cutter set</b>	<b>1 Set</b>	
	Function: Kitchen knife set		
	Approx. Dimension(mm): 230Lx120Wx330H		
	Blade Materials: High Carbon Stainless Steel		
	Blade thickness: 3mm		
	Item Include: Chef Knife, slicing Knife, Bread Knife, Santoku Knife, Utility Knife, Paring Knife, Kitchen Shear, Kitchen Sharpener Rob, 6-piece Steak Knives and Wooden Block.		
	Condition: Brand New		
<b>9</b>	<b>Vacuum oven drying</b>	<b>1 Set</b>	
	Function: Vegetable and food ingredient drying		
	Approx. Dimension(mm): 560Lx600Wx650H		
	Drying capacity: approx. 100kg (or approx. 100L)		
	Temperature range: 40°C - 200°C (≤40 - ≥200)		
	Power supply: 220-240V/50-60Hz, approx. 2,000-2,500W		
	Material: Stainless steel		
	Vacuum degree: ~133pa		
	Vacuum system: Yes (Equipped with vacuum pump)		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>10</b>	<b>Modify atmosphere packaging</b>	<b>1 Set</b>	
	Function: Semi-automatic food product packaging		
	Dimension approx. (mm): 570Lx590Wx550H		
	Packaging Material: Plastic		

	Power supply: 220V-240V, 50-60 Hz; ≈1.5kw		
	Driven Type: Pneumatic		
	Tray height: 50-80mm Maximum tray dimension (mm): 320L×200W (+/-10%)		
	Cycle time: 10 Seconds		
	Weight: approx. 90 kg		
	Film diameter: Φ300mm (+/-10%)		
	Air pressure: Air pressure		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>11</b>	<b>Pressure cooker</b>	<b>1 Set</b>	
	Function: Portable autoclave		
	Capacity: 20-40 L		
	Material: 304 or 316 Stainless Steel, heat resistant handle		
	Heating: Electric heating and non- electric (Gas)		
	Working Temperature: ≥121°C		
	Operating pressure: 15 PSI – 18 PSI		
	Power: 220 V, 50 Hz, 0.55- 2KW		
	Sterilization time: 1 to 99 minutes		
	Safety: lid lock, CE marker pressure valves, Steam and vacuum release valve		
	Accessories: Digital temperature indicator, Sterilization indicator, Low water sensor, Stainless Steel Wire Basket		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
	Lot 2 (RUA)		
<b>1</b>	<b>Hydraulic Lifting Homogenizer</b>	<b>1 Set</b>	
	Power supply: 220-240V; 50-60 Hz; 4 Kw		
	Speed: 3000rpm		
	Capacity: ≤ 200L		
	Stroke: 800mm		
	Mixer type: Agitator		

	Working: Shear mixer		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>2</b>	<b>Simple Desk Vacuum Packing Machine (Packaging Food in Plastic Pouch)</b>	<b>1 Set</b>	
	Feature: Sterile packaging		
	Function: vacuum, optional gas flush		
	Dimensions (mm): 750 (W) x 850 (D) x 1000 (H)		
	Power supply: 220-240V; 50-60 Hz; 1.5Kw		
	Maximum Vacuum: $\leq -0.08\text{MPa}$ Sealing length x Width (mm): approx. 600x8		
	Compress Air Requirement: 0.5MPa-0.8MPa		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>3</b>	<b>Canning Machine (Tinplate Cans Seamer PET Plastic Canned Food Cans Sealing Capping Machine)</b>	<b>1 Set</b>	
	Power supply: 220-240V; 50-60 Hz; 730 W		
	Total weight: approx. 65kg		
	Production capacity: 25/min		
	Machine size (mm): 600 (W) x 340 (D) x 850 (H)		
	Can height (mm): 39-200		
	Can diameter (mm): 39-150		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>4</b>	<b>Home freeze drying machine mini freeze dryer</b>	<b>1 Set</b>	
	Lyophilizing Acreage: $0.4\text{ m}^2$		
	Cold trap Temperature: $-40^{\circ}\text{C}$		
	Ultimate Vacuum: 15Pa		
	Material Handling Capacity: 4~6kg/Wholesale		
	Shelf Spacing: 45mm		
	Power Supply: 220-240V, 50-60Hz; 1100W		
	Equipment Weight: approx. 80Kg		
	Drying Capacity (kg): 4 kg		

	Shelf Dim(W*L) (mm): 200*450 (4 floors)		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>5</b>	<b>Stick Bag Packaging Machine</b>	<b>1Set</b>	
	Application: Automatic sachet form fill seal machine		
	Pouch formats: Stick bag, back seal, 3-side seal, 4- side seal, pyramid bag		
	Machine speed: 30-60 bags/minute		
	Bag size range (L*W) (mm): (L) 40-180mm/(W) 10-140mm		
	Weighed: Volume cup filler		
	Weight ranges: 1-50g, 50-200g, 200g-1kg		
	Maximum film width: 300mm		
	Film material for sachet: Laminated film, laminated paper film, pure aluminum film		
	Power supply: 220-110V; 50-60Hz; 1.2 Kw		
	Machines material: Stainless steel		
	Machine weight: approx. 300kg		
	Machine size (mm): approx. 1000x900x1650		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
	Lot 3 (NUBB)		
<b>1</b>	<b>Comminution of Coconut Kernel</b>	<b>1 Set</b>	
	Material: Stainless steel (304 or 316)		
	Item weight: 2.7-4 Kg		
	Speed: can be controlled		
	Voltage: 220V single phase		
	Power: 750 W- 1KW		
	Condition: Brand New		
	Warranty: 1 year on part and 2 years on service		
<b>2</b>	<b>Coconut Milk Extractor</b>	<b>1 Set</b>	
	Material: Stainless steel (304 or 316)		
	Dimension (mm): 540 (W) x490 (D) x1130 (H)		
	Voltage: 220V single phase		
	Power: 0.15-0.2 kw		
	Net weight: 68-80 kg		

	Functions: Crushing & Dehydrator		
	Condition: Brand New		
	Warranty: 1 year on part and 2 years on service		
<b>3</b>	<b>VCO Separating Centrifuge (Virgin Coconut Oil Centrifuge Machine)</b>	<b>1 Set</b>	
	Bowl Diameter: 45-60 mm		
	Effective Height in Bowl: 280-350 mm		
	Setting Volume in Bowl: 0.45-1.5L		
	Bowl Speed: 0-28000 r/min		
	Inlet Pressure: > 0.05 Mpa		
	Power: 0.6kw		
	Dimension (mm): 600 (W) x650 (D)x 750 (H)		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>4</b>	<b>Vacuum Dryer for Oil</b>	<b>1 Set</b>	
	Internal dimension (mm): 300(W)x300(D)x280(H)		
	Type: vacuum dryer		
	Material: polished stainless steel inner chamber or stainless steel		
	Overall dimension (mm): (580(W)x570(D)x450(H)		
	The number of Tray: 1pc		
	Voltage: 220v/50Hz		
	Temperature measurement range: 25~200°C and temp. stability: 1°C		
	Vacuum degree: <133 Pa		
	Chamber capacity: 15-25 L		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>5</b>	<b>Cook Stirring Machine</b>	<b>1 Set</b>	
	Application: can be used for stirring in many things such as pineapple, durian, mango, taro, nut stir, dessert, Sakru, Kalamet and others)		
	Mixing Capacity: 7-15 kg		
	Bucket capacity: 20-30L		
	Speed: 16 RPM		
	Heat Tolerance: 300°C		
	Bowl dimension: 50 cm diameter x 23		



	cm (depth)		
	Equipment Dimension (mm): L750 x W580 x H890		
	Net weight: 49 Kg		
	Power: 1/4HP, 220 V, 60 Hz		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>6</b>	<b>Temperature Pulveriser</b>	<b>1 Set</b>	
	Material: Stainless steel (304 or 316)		
	Capacity: 10-30 kg/h		
	Speed of principal axis: Max. 4300 (rpm)		
	Fineness of processing powder: 20 - 120 mesh		
	Power of motor: 2.2 KW		
	Dust suction power: 0.18 KW		
	Machine dimension (mm): 900(W)x650(D)x1250(H)		
	Power supply: 220-240 V, 1.5 KW		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>7</b>	<b>Can Capping Machine</b>	<b>1 Set</b>	
	Automatic small sealing machine for plastic can		
	Machine Dimension (mm): 650(W)x420(D)x1350(H)		
	Can height: 25-200mm		
	Can diameter: 45-150mm		
	Filling quantity: 10-5000ml		
	Capacity: 10-20 bottles/min		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>8</b>	<b>Fruit Vacuum Drying</b>	<b>1 Set</b>	
	Material: Stainless steel (304 or 316)		
	Power supply: 220v, 50-60Hz		
	Product size (mm): 360(W)x300(D)x356(H)		
	Inner container layer: 5-8 layers		
	Temperature range: 30-90 °C		
	Condition: Brand New		

	Warranty: 1 year on parts and 2 years on service		
<b>9</b>	<b>Vacuum Packer</b>	<b>1 Set</b>	
	Vacuum Packing Machine Type: Automatic		
	Chamber size: 385x280x50 mm		
	Seal bar Length: 16 inches (406 mm)		
	Voltage: 220-240 V, 50-60Hz		
	Suction power: 0.37 KW		
	Welding parameters: L260 x W8 (mm)		
	Time to complete the product:10-20 seconds		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>10</b>	<b>Pasteurizer Double wall milk pot</b>	<b>1 Set</b>	
	Power supply: 220-240 V, 50-60Hz, 2kw		
	Chamber Dimension: 280 x310mm		
	Capacity: 15-24L		
	Material: Stainless Steel (304 or 316)		
	Working pressure: 0.142 MPa		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>11</b>	<b>Yogurt Making Machine</b>	<b>1 Set</b>	
	Voltage: 220V		
	Temperature control: double door (optional dual temperature)		
	Temperature range: 4-42 °C		
	Power heating: 650W		
	Dimension: 380(W) x590(D)x 867(H) mm		
	Application: Can be used to Yogurt/Rice Wine/Natto fermenter		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>12</b>	<b>Yogurt Frozen</b>	<b>1 Set</b>	
	Material: stainless steel (304 or 316) and thickened plate support		
	Power supply: 220-240v, 50-60Hz, 2600W		
	Refrigerating tank capacity: 2L x 2		

	Material basin capacity: 6L x 2		
	Dimension (mm): 720 x580 x 1380		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		
<b>13</b>	<b>Chicken, Meat, Fish Smoker</b>	<b>1 Set</b>	
	Material: Stainless Steel (304 or 316)		
	Voltage: 220 V		
	Dimension approx. (mm): 430 (W) x395 (D) x820 (H)		
	Capacity of work bowl: Electric Smoke Stove		
	Motor material: automobile steel plate/stainless steel		
	Condition: Brand New		
	Warranty: 1 year on parts and 2 years on service		

In preparing your quotation, you are requested to observe the followings:

**1. Your quotation should be addressed to:**

**The Project Manager**

Industry Linkage Office, Office A-206,  
Building A, Russian Confederation Boulevard,  
Phnom Penh, Cambodia Phone: +855 (0) 12 447 898  
E-mail: in@itc.edu.kh  
Attn: Dr. Sokneang IN, Project manager of the FoodSTEM project

**2. Your quotation should be delivered to the address above at or before 4:00 pm on July 02nd, 2021 and sealed with the mention Do Not Open Before 3:00 pm on July 05th, 2021.**

**The Opening quotation will be 3:00 pm on July 05th, 2021 at the Institute of Technology of Cambodia and/or via online broadcasting on FoodSTEM Facebook page: <https://www.facebook.com/FoodSTEMEUProject/>**

**3. Eligible Goods and Services**

Training a new generation of entrepreneurs in sustainable agriculture and food engineering (hereinafter called Erasmus+ **FoodSTEM Project**), reference number **610052- EPP-1-2019-1-KH-EPPKA2-CBHE-JP**, is a co-funded by the Erasmus+ Programme of the European Union and open to all eligible bidders.

**4. Delivery of Equipment**

This **Food Processing equipment (Agri-Food Lab)** package contains three lots equipment, which lot 1 for ITC, lot 2 for RUA and lot 3 for NUBB. Supplier shall deliver and install Equipment to the Purchaser's premises and to FoodSTEM University Partners premises as specified below within 90 calendar days after signing contract.

**Institute of Technology of Cambodia (ITC)**

Russian Confederation Boulevard,  
Phnom Penh, Cambodia

**Royal University of Agriculture (RUA)**

Chamkar Daung, Dangkor  
Phnom Penh, Cambodia

**National University of Battambang (NUBB)**

National Road 5, Sangkat Preaek Preah Sdach,  
Battambang city, Battambang 020101, Cambodia

The details of the repartition of equipment between universities is specified above.

**5. Taxes, Duties, License Fees**

The Supplier shall be responsible for taxes, license fees, etc., incurred during the delivery of the contracted services to the purchaser.

**6. Warranty**

One year on parts and services on all items must be included in the final price.

**7. Payment**

Payment will be made by bank transfer presenting the full amount shown in the Invoice with detail statement. In the quotation, need to state the name, identity card number and address of the representative authorized to collect payment. Payment for supplies will be made when Equipment are installed at FoodSTEM University Partners as follow: - University of Battambang - Royal University of Cambodia - Institute of Technology of Cambodia. The payment will be based on fixed price.

**8. Evaluation of Quotation**

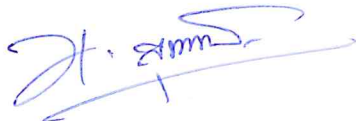
The purchaser will determine which quotation responds to the Description and, the price, is acceptable from a technical point of view. Quotations which are not responsive will be rejected and will be eliminated from further consideration. The purchaser reserved the right to accept or reject any quotation and annul process of inviting quotation and reject at any time prior to award of the contract, without thereby incurring any liability to the affected supplier or any obligation to inform the affected supplier of the grounds for the Purchaser's action.

**9. Validity of the quotation**

Prices of the quotation shall be valid for 3 months from the date of your submission of quotation. We look forward to receiving the quotation before the time and date

stipulated above. Quotation received after this date will be rejected and returned to the supplier unopened.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Soknenag IN', with a long horizontal flourish extending to the right.

Soknenag IN  
Project Manager, FoodSTEM