

Section 6: Schedule of Supply

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1. List of (Equipment) Goods and Related Services

Package No. G-12			
Package Name: G-12 Procurement of Lab Equipment RDTC-Zhemgang Food and Agro-processing			
Item No.	Description	Unit of Measurement	Quantity
1	Vegetable/Fruit washer machine	No.	1
2	Fruit pulping machine	No.	1
3	Dehydrator/dryer	No.	1
4	Heavy duty mixer grinder	No.	1
5	Steam Jacketed Kettle	No.	1
6	Modular cold room	No.	1
7	Freeze dryer/ lyophilizer	No.	1
8	Basket type centrifuge	No.	1
9	Solar tunnel dryer	No.	1
10	Ginger peeling machine	No.	1
11	Potato peeler	No.	1
12	Potato slicer machine	No.	1
13	Refrigerator	No.	2
14	Handheld refractometer	No.	3
15	Commercial pressure cooker	No.	3
16	Digital refractometer	No.	1
17	Steel rack for cold storage	No.	15
18	Stainless steel processing table	No.	15
19	Kitchen Exhaust hood	No.	2
20	Open chiller for fruit and vegetable	No.	1
21	Bun Steamer	No.	2
22	Three range Burner	No.	2
23	Wine fermenting glass jar	No.	4
24	Deep Freezer	No.	2
25	Sausage filling machine	No.	1
26	Meat mincer	No.	1
27	Meat bowl silent cutter	No.	1
28	Electric Meat smoker	No.	1
29	Shawarma machine	No.	2

30	Batch Milk pasteurizer	No.	1
31	Milk homogenizer	No.	1
32	Cheese vat	No.	1
33	Yogurt incubator	No.	1
34	Milk chilling vat (bulk milk chiller)	No.	1
35	Paneer hand press	No.	2
36	Cheese Press	No.	12
37	Table oil expeller	No.	1
38	Tea rolling machine	No.	1
39	Essential oil distillation unit	No.	1
40	Coffee bean huller/ peeling machine	No.	1
41	Coffee bean roaster	No.	1
42	Laboratory reagent storage refrigerator	No.	2
43	Auto-clave	No.	2
44	Moisture meter	No.	1
45	Water activity meter	No.	1
46	Colorimeter	No.	1
47	Laboratory Water distillation unit	No.	1
48	Laminar air flow	No.	1
49	Soxhlet apparatus	No.	1
50	Kjeldahl Analyzer	No.	1
51	Ph meter	No.	1
52	Muffle furnace	No.	1
53	Laboratory incubator	No.	1
54	Crude Fibre analyzer	No.	1
55	Digital grain moisture meter	No.	1
56	Stomacher laboratory blender	No.	1
57	Analytical Balance	No.	1
58	Food Texture analyzer	No.	1
59	Magnetic stirrer	No.	1
60	Vacuum sealing machine	No.	2
61	Yogurt sealing machine	No.	2
62	Continuous Band Sealer with Nitrogen gas	No.	1
63	Nitrogen gas cylinder	No.	3
64	Pressure canner	No.	3

65	Foot operated sealer machine	No.	1
66	Vertical form fill sealer machine for liquids/powders	No.	1
67	Foot model crown corking machine	No.	1
68	Bottle Cap sealer	No.	2
69	Manual Tray Sealer	No.	1
70	Manual Bubble Tea Cup Sealer	No.	1
71	Manual Pet blowing machine	No.	1
72	Extruder machine	No.	1
73	Noodle making machine	No.	1
74	Popcorn making machine	No.	1
75	Corn flakes machine	No.	1
76	Millet dehuller cum polishing machine	No.	1
77	Bakery Display Counter	No.	1
78	Dough kneader (Table top mixer)	No.	3
79	Mini countertop Pastry display chiller	No.	2
80	Sandwich Grill	No.	2
81	Proofer	No.	1
82	Waffle maker	No.	2
83	Ice cube maker	No.	2
84	Soft serve ice cream machine	No.	1
85	Ice cream batch freezer machine	No.	1
86	Three tank electric cooling juice dispenser	No.	1
87	Parabolic solar cooker	No.	1
88	Brewing distillation still	No.	1
89	kombucha fermentation tank	No.	1

2. Delivery and Completion Schedule

The delivery period shall start as of the date of supply order (Equipment).

Item No.	Description	Delivery Schedule (Duration)	Location	Required Arrival Date of Goods or Completion Date for Related Services
1	Vegetable/ Fruit washer machine	90 days	RDTC-Zhemgang	The goods should be delivered to RDTC-Zhemgang within 90 days from the date of supply order.
2	Fruit pulping machine			
3	Dehydrator/dryer			
4	Heavy duty mixer grinder			
5	Steam Jacketed Kettle			
6	Modular cold room			
7	Freeze dryer/ lyophilizer			
8	Basket type centrifuge			
9	Solar tunnel dryer			
10	Ginger peeling machine			
11	Potato peeler			
12	Potato slicer machine			
13	Refrigerator			
14	Handheld refractometer			
15	Commercial pressure cooker			
16	Digital refractometer			
17	Steel rack for cold storage			
18	Stainless steel processing table			
19	Kitchen Exhaust hood			
20	Open chiller for fruit and vegetable			
21	Bun Steamer			
22	Three range Burner			
23	Wine fermenting glass jar			
24	Deep Freezer			
25	Sausage filling machine			

26	Meat mincer			
27	Meat bowl silent cutter			
28	Electric Meat smoker			
29	Shawarma machine			
30	Batch Milk pasteurizer			
31	Milk homogenizer			
32	Cheese vat			
33	Yogurt incubator			
34	Milk chilling vat (bulk milk chiller)			
35	Paneer hand press			
36	Cheese Press			
37	Table oil expeller			
38	Tea rolling machine			
39	Essential oil distillation unit			
40	Coffee bean huller/ peeling machine			
41	Coffee bean roaster			
42	Laboratory reagent storage refrigerator			
43	Auto-clave			
44	Moisture meter			
45	Water activity meter			
46	Colorimeter			
47	Laboratory Water distillation unit			
48	Laminar air flow			
49	Soxhlet apparatus			
50	Kjeldahl Analyzer			
51	Ph meter			
52	Muffle furnace			
53	Laboratory incubator			
54	Crude Fibre analyzer			
55	Digital grain moisture meter			
56	Stomacher laboratory blender			
57	Analytical Balance			


58	Food Texture analyzer			
59	Magnetic stirrer			
60	Vacuum sealing machine			
61	Yogurt sealing machine			
62	Continuous Band Sealer with Nitrogen gas			
63	Nitrogen gas cylinder			
64	Pressure canner			
65	Foot operated sealer machine			
66	Vertical form fill sealer machine for liquids/powders			
67	Foot model crown corking machine			
68	Bottle Cap sealer			
69	Manual Tray Sealer			
70	Manual Bubble Tea Cup Sealer			
71	Manual Pet blowing machine			
72	Extruder machine			
73	Noodle making machine			
74	Popcorn making machine			
75	Corn flakes machine			
76	Millet dehuller cum polishing machine			
77	Bakery Display Counter			
78	Dough kneader (Table top mixer)			
79	Mini countertop Pastry display chiller			
80	Sandwich Grill			
81	Proofer			
82	Waffle maker			
83	Ice cube maker			
84	Soft serve ice cream machine			
85	Ice cream batch freezer machine			
86	Three tank electric cooling juice dispenser			
87	Parabolic solar cooker			

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88	Brewing distillation still			
89	kombucha fermentation tank			


3. Technical Specifications for Equipment

- Vegetable / fruit washer machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Machine type: rotating Brush washer Features : 8 brushes 3 step rotating based washing 0.75KW geared motor Dimensions(LXWXH): approx- 1,170X800X1,320mm</p> 		

- Fruit Pulping machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Single phase Semi-automatic		

	<p>Capacity: 50-80 kg/hr Dimensions: 900mm x 600mm x 1200m Food-grade Stainless Steel Motor power: 1-1.5 HP</p> 		
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- Dryer/dehydrator

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Drying capacity: 55-120 kg Contract power: 3.96kw Standard: Approx. 750X 965X 1855mm Wicker trays: 12 each Size of wicker tray: Approx. 600 X 885 X 45mm</p> 		

- Heavy duty mixer and grinder


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Heavy Duty Mixer Grinder with fix jar Jar Capacity:10 -20 Litres Jar Material:Stainless Steel Motor Power:2 HP to 3 HP, 1440 RPM Motor Type:Induction Single Phase Grind Type:Wet & Dry Grinding Blade Type: Hardened Stainless Steel, fixed, 6-wing Jar Mounting:Fixed Lid Material:Stainless Steel or Food-grade Polycarbonate with lock Lid Lock: Heavy-duty locking mechanism Body Construction:Stainless Steel Cooling System :Air-cooled motor Operating Switches:On/Off, Overload Reset, Optional Speed Control Safety Features: Overload protector, shockproof body</p> 		

- Steam jacketed kettle

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 50-100 litres Material: Double-walled Stainless Steel inner and outer shell (approx 3–4 mm thickness) kettle depth: 400-600 mm Diameter: approx.600 mm (inner pot) Single phase Built-in thermostat Pressure safety valve and gauge</p> 		


- Modular cold room

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

Specification	<p>Precise digital temperature controllers. Temperature range: -18°C to +10°C High-density polyurethane (PU) insulation panels. Air-Cooled Condenser. Evaporator Fans. Internal and External Panels. Capacity: 1-2 tons. Power Supply: Single phase. Material: Pre-coated steel or stainless steel (internally and externally). Insulation: Polyurethane (PU) foam, typically 60mm to 100mm thickness. Dimension: 8ftx8ftx8ft Accessories: Shelving or racks Thermometer/hygrometer for internal monitoring. Alarm system for temperature variations (optional).</p> 		
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- Freeze dryer/ Lyophilizer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

	<p>Freeze Drying Area (m2): 0.34 Tray nos: 4 Condenser Temperature (no-loading)(°C): -40 Handling Capacity (kg/batch):4-6</p> <p>Electricity: single phase External : Dimensions (W*D*H) (mm): 840*630*1270</p> 		
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- Basket type centrifuge

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

Specification	<p>Voltage: single phase Output: 15kg/1 batch, 1 batch/15 seconds Dimensions (mm): 900*600*900 Basket volume (mm): Upper circle diameter: 420 Lower circle diameter: 360 Height: 360 Purpose: leafy vegetables, cut root vegetables and fruits</p> 		
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9.Solar tunnel dryer


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

Specification	<p>Cladding Material: Multi-layer polycarbonate (UV-resistant)</p> <p>Interior Temperature Minimum: Approx 30–33 °C; Max: 55–60 °C</p> <p>Drying Efficiency: 40–50% faster than open-sun drying</p> <p>Capacity: 500 sq ft</p> <p>Automation: Semi-automatic; temp & moisture control</p> <p>Airflow: Forced ventilation with fans</p> <p>Purpose: solar drying of fruits, vegetables and herbs</p> 		
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10. Ginger peeling machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity :100-250 kg/hr</p> <p>Automatic:yes</p> <p>voltage:415W</p> <p>Dimension: Approx.750*1500*600mm(LWH)</p> 		

11. Potato Peeler

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Type: Continuous type Material: Stainless steel Dimension: 30*18*36 inch Capacity: 20- 50Kg/hr Power: 5HP Voltage:220V 		

12. Potato slicer machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity: 20-50 kg/second Automatic Single phase Stainless steel (stainless steel 304)		


			
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13. Refrigerator

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Double Door Refrigerator Capacity:300-500 Liters Defrost Type Voltage:220 – 240V Temperature Range:2°C to 8°C / Freezer: -18°C to -20°C Energy Rating:3 Star Stainless Steel Lighting: LED Interior Light		

14. Handheld Refractometer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			


Specification	<p>Type: Handheld manual refractometer</p> <p>Measurement Range: 0 to 32°Brix, 32 to 62°Brix, 62 to 100°Brix</p> <p>Sample Volume Required: A few drops (approx. 0.3 ml)</p> <p>Prism Material: High-quality optical glass or acrylic</p> <p>Body Material: Durable metal or plastic casing</p> <p>Operating Temperature: 10°C to 30°C</p> <p>Calibration: Calibrated with distilled water (zero calibration)</p> <p>Weight: Approx. 150–250 grams</p> <p>Dimensions: Approx. 160 mm length</p> 		
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15. Commercial pressure cooker

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 7-10 Litre</p> <p>Material: Stainless Steel</p> <p>Power: 1000w</p>		

	Frequency: 50 Hz Material Grade: Stainless steel		
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16. Digital refractometer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Instrument Type: Portable Digital Refractometer</p> <p>Measurement Parameters: °Brix (Sugar content), Refractive Index (RI), optional: % Salinity, Alcohol, etc.</p> <p>Measurement Range: 0 – 90 °Brix</p> <p>Sample Volume: Approx. 0.3 to 0.5 mL (2–3 drops)</p> <p>Display: Digital LCD or backlit LED screen</p> <p>Measurement Time: <3 seconds</p> <p>Power Supply: Battery-operated (2 × AAA or rechargeable lithium-ion)</p> <p>Calibration: One-touch calibration using distilled water</p> <p>Body Construction: ABS plastic or stainless steel; water-resistant</p> 		


17. Steel rack for cold storage

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Height: 5 Feet Width: 3 feet Surface Finish: Polished Rust Proof: Yes Thickness: 30 mm Material: Stainless Steel	1	

18. Stainless steel processing table


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Size: 60X24X34 inch Material: Stainless Steel (Food grade) Surface Finish: Polished 2 shelf 		

19. Kitchen exhaust hood


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Design: hood Airflow Capacity:1500 m3/h Type: Wall mount Material : stainless steel Noise level: 42–65 dB Power supply:220–240 V, 50 Hz, Single Phase Touch control panel 		

20. Open chiller for fruit and vegetable

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Height :2000mm Temperature range: 0-10 degrees No of shelves: 4 or 5 Light : LED Cooling mode :Ventilated		


	<p>Night blind: Manual hydraulics</p> 		
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21. Bun steamer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Stainless steel Grade: A grade Capacity: 4-16 tray Machine Type:Semi-Automatic Power Consumption: 3 - 6 kW Temperature:0-100 degree Celsius</p> 		^^^
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22. Three Range Burner

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments
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		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	<p>Automation grade: Semi-automatic Shape: Rectangular Material: Stainless steel Height: 32-35 inch No. of Burners: 3 Width: 24-28 inch Length: 72-75 inch</p> 		

23. Wine fermenting Glass jar

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Material: Glass and Silicone Capacity: 15-20 L Air-lock stopper system Glass Water bottle with drilled Silicone Stoppers</p>		


			
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24. Deep Freezer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity: 150-200 Litres Product dimension: Approx. 111.6 cm x 60.4 cm x 84.5 cm Single top open door 		

25. Sausage filling machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			


Model			
Country of Origin			
Specification	<p>Capacity: 5-10 kg Material: Stainless Steel Single phase Speed Control: Single speed Filling Nozzles: 1 stainless steel nozzles (16 mm) Body Material: Food-grade Stainless Steel (SS 304) Dimensions (L×W×H): Approx. 3700 × 350 × 750 mm</p> 		

26. Meat Mincer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 10-20 kg/hr Grinder plate diameter: Approx. 3-5 inches Body material: stainless steel Single phase</p>		


			
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27. Meat bowl silent cutter

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 30-50 kg/hr Volume: 5-8 L Main Body Material: Stainless steel (304) Power Supply:single phase Dimensions:Approx.59*52*63 cm Power: 0.37kw</p> 		


28. Electric Meat smoker

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments
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		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	<p>Dimension: Approx 64*45*91 cm</p> <p>Single phase</p> <p>Capacity:75 L</p> <p>Temperature Range: 30-120°C</p> <p>0-12 Hour digital time setting with auto shut-off</p> <p>Double thermal insulation</p> <p>Power:1000 w</p> <p>5 chrome coated smoker racks</p> <p>Side loading wood tray</p> 		

29. Shawarma machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

Specification	<p>Power Source: Electric Meat Holding Capacity : 5-8 kg Number of Gas Burner: 2 Material: Stainless steel Semi-Automatic.</p> 		
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30. Batch milk pasteurizer


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Material: Stainless Steel Phase: Single Phase Capacity: 100-150 Litres Semi-automatic Temperature Range: 36 to 90 °C (adjustable, with thermostat) Insulation: Double-walled with thermal insulation Mixing : Agitator motor</p> 		

31. Milk homogenizer


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity:50-100 Litres Material: Stainless steel Single phase Semi-automatic 		

32. Cheese Vat

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Material: Stainless steel Capacity:50-100L Shape: barrel Single phase		


			
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33. Yoghurt incubator


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity :50-100 Litre/hr Body material: Stainless steel dimensions:80*80*100 		

34. Milk Chilling Vat (bulk milk chiller)

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

Specification	Capacity: 100-200 Litre Tank orientation: Vertical Material: Stainless steel 304 No of doors: 1 		
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35. Paneer hand press

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Material :Stainless steel 304 Production capacity: 5-10 kg 		-


36. Cheese press

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments


Make			
Model			
Country of Origin			
Specification	<p>Output capacity:25-50 kg Material: Stainless steel 304 Manual Round cheese mould</p> 		

37. Table oil expeller


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Single phase Construction: stainless steel Capacity: 50kg/hr</p>		

			
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38. Tea rolling machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Batch Capacity: 10-20 kg per batch Drum Diameter: 300 mm Drum Height: 210 mm Power Supply: 220V / 50Hz Material: Food-grade stainless steel Machine Dimensions (L×W×H) 870 × 700 × 995 mm Semi-automatic</p> 		

39. Essential oil distillation unit


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity :25-100L Material: SS 304 Herbal distillation voltage:230V 		

40. Coffee bean huller/peeling machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity: 1-15 kg/hr semi-automatic Material: stainless steel Single phase Motor Power: 3 - 20 hp Dimension: Approx.1200 x 700 x 500 Millimeter		


			
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41. Coffee bean roaster

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 50-100 kg per/hr Machine Type: Semi Automatic Roasting Time: 15 min per batch heating power: 2 kw roasting type: drum roaster Construction: stainless steel Features:Roasting level sample tester, Automatic stirrer, Safety heat exit</p> 		


42. Laboratory reagent storage Refrigerator

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments
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		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	<p>Temperature Range: +2 °C to +8 °C Net / Gross Capacity: 200-250 L Dimensions (W×D×H mm) Approx. 650× 600 × 1400 Single door. Electronic alarms: temperature deviation, door open, sensor/compressor failure Cooling: Hermetically sealed system Stainless steel</p> 		


43. Auto-clave

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			

Country of Origin			
Specification	<p>Chamber Volume: 20-200 liter</p> <p>Sterilization</p> <p>Temperature: 121°C – 134°C</p> <p>Material: Stainless Steel 304</p> <p>Power Supply: single phase</p> <p>Display: LED/LCD Touch Screen</p> 		


44. Moisture meter

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			

Specification	<p>Type: Digital Moisture Meter (Portable)</p> <p>Measuring range: 0% to 100%</p> <p>Sample Size: 5 g to 20 g</p> <p>Response Time: 3–10 seconds (for digital types)</p> <p>Display: Digital LCD / LED screen with backlight</p> <p>Humidity Range: Up to 85% RH (non-condensing)</p> 		
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45. Water activity meter

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Sample dish volume: 5-20 mL		

	<p>Measurement chamber: 40 × 12 mm with spring-loaded head.</p> <p>Sample temperature sensing: Integrated infrared sensor.</p> <p>Repeatability/calibration memory: Stores calibration- point data</p> <p>Accuracy: Typically ± 0.02 aw</p> <p>Power input: 90–264 VAC, 50/60 Hz</p> <p>Internal power supply: 5 V DC $\pm 6\%$, 10 W consumption</p> 		
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46. Colorimeter

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			


Specification	<p>Model type: Portable handheld colorimeter</p> <p>Color Spaces Supported: CIE LAB, CIE LCH, Hunter Lab, CIE XYZ, Yxy, RGB</p> <p>Display: Color TFT LCD screen with touch interface</p> <p>Light Source: Full-spectrum LED</p> <p>Dimensions: Approx. 160 × 50 × 45 mm</p> 		
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47.Laboratory Water Distillation unit

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Wall mount</p> <p>Material: Stainless steel</p> <p>Single phase</p> <p>Output capacity: 10 L/hr</p> <p>Heater tube: 6 kW</p> <p>Purpose: make distil water</p>		


			
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48. Laminar air flow

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Material: Stainless steel Size: Approx 2*2*2</p> <p>HEPA filter having efficiency of 99.997% down to 0.3% microns</p> 		


49. Soxhlet apparatus

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			


Country of Origin			
Specification	<p>Mild steel finished with powder coated.</p> <p>Gap between the mantle and outer chamber is filled with glass wool insulation.</p> <p>Front Panel: Provided with on-off switch, energy control knob and pilot lamp.</p> <p>No. of Mantles: 3- 6</p> 		

50. Kjeldahl analyser with digester


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Analysis time: 3.5 minutes at 30 mg N (6.5 minutes at 200 mg N).</p> <p>Distillation capacity: ~40-50 ml/min</p> <p>Measuring range: 0.1 - 210 mg N.</p>		

	<p>Recovery: >99.5% at nitrogen levels between 1 - 200 mg N. Reproducibility: 1% RSD (including digestion step). Power supply: 200 - 240 VAC 50 - 60 Hz Power supply: 200 - 240 VAC 50 - 60 Hz Water consumption during distillation: 3 l/min at 30°C, 1 l/min at 15°C. Drain: For cooling water only.</p> 		
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51. pH meter

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Electrical Tabletop Digital Purpose: measure pH</p> 		

52. Muffle furnace


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Material loading capacity:50-100 kg Melting material: copper Material: mild steel Frequency:60hz 3 phase Voltage :440V Capacity:8kg Purpose: measure ash content of food samples</p> 		

53. Laboratory incubator


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity:300-350 Liters No. of Trays: 4 Temperature Range: 0 °C to 70°C Control System Humidity Range : 10-95% RH Display: digital display</p>		

	<p>Construction :Stainless Steel Power Supply: 220–240 V Dimensions: Inner: Approx.685*498*970mm Outer: Approx.770*720*1760mm</p> 		
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54. Crude Fiber Analyzer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Voltage : 220V Frequency: 50hz Display: LED dimension:700 x 400 x 600 mm (WxDxH) Min temp: 500 degree Automatic</p> 		

55. Digital grain moisture meter


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Type of Moisture Meter: Bench Type Specifications: Measuring Range: 4 to 40% Accuracy: +/-0.2% Display: 3 Digit LED Temperature: Automatic Principle of measurement: Resistance. Power:230V</p> 		

56. Stomacher Laboratory Blender

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Dimension (W xL x H)mm:460x230x330 Max capacity: 400ml Voltage:220V speed:3-12 times/second</p>		


			
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57. Analytical Balance

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 100 g – 220 g Readability: 0.1 mg (0.0001 g) or 0.01 mg for higher precision Calibration: Internal (automatic) or External (manual) Material : Anti-corrosive stainless steel Dimensions: (WxDxH) Approx. 200 x 300 x 350 mm</p> 		

58. Food texture analyzer

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments
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		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	<p>Usage/Application: Laboratory Use Dimension: Approx.185 x 300 x 400 mm Displacement: 0.001mm (minimum resolution) Load Cells Or Force Range: 5-100 N Max Product Height: 400 MM</p> 		

59. Magnetic stirrer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Stirring capacity: 1-2 L Speed range: 1500rpm power:300W Time range:0-999 mins</p>		

			
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60. Vacuum sealing machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Sealing Length: 300 mm Usage/Application: Vacuum sealing Capacity: 5-10 pack per min Material: Stainless Steel Voltage: single phase Automation Grade: Semi-Automatic. 		

61. Yoghurt sealing machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Semi-automatic Container Compatibility: Plastic cups (PP/PE/PET) Cup Diameter: 75 mm to 100 mm Sealing Material: plastic film Sealing Method: Heat sealing with temperature and time control Sealing Capacity: 300 to 600 cups/hour Single phase Power Consumption: 300W – 800W Temperature Range: 0°C – 300°C (adjustable) Control System: Digital temperature controller with timer Machine Dimensions: Approx. 400 × 400 × 600 mm Material: Stainless steel body		


62. Continuous Band Sealer with Nitrogen gas

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			


Country of Origin			
Specification	<p>Automation Grade: Semi-Automatic Operational Mode: Horizontal pouch sealing Packaging Type: Pouch Voltage/Power: Rated for 240 V Max Conveyor Load: Supports up to 5 kg pouch batches Cylinder Type requirement: Standard nitrogen cylinder</p> 		

63. Nitrogen Gas cylinder

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Working Pressure: 150 bar Cylinder Material: Iron Capacity: 15-20 L Opening and closing valve</p>		


			
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64. Pressure canner

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Liquid Capacity: 15- 20 L Material & Construction: Heavy-gauge, warp-resistant aluminum Width/Diameter: approximately 20" Depth: approx. 15" Height: Approx. 15" Air Vent/Cover Lock With pressure Regulator</p> 		


65. Foot operated sealer machine

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments
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		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	Sealing type :Impulse or Hot bar Capacity:400-500 mm Manual Voltage:230 v Max. sealing:500 mm Power:800 watt 		

66. Vertical form fill sealer machine for liquids/powder

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Capacity: 15-25 Pouches Automatic Have Pouch Counter Temperature Controller Pouch Type:Center seal Material Used for Pouch:Laminated film/PE/ PP Film Roll Width:100 mm – 300 mm Sealing Type: Heat sealing Single Phase Machine Structure: Stainless Steel		


	<p>Control System PLC or Microcontroller Based Dimensions (Approx.) 700 mm x 900 mm x 1800 mm (LxWxH)</p> 		
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67. Foot Model Crown Corking Machine


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity :250-300 bottles per/h Material : Mild steel Speed: 12 to 15 bottles per minute Capping type: glass bottles</p> 		

68. Bottle cap sealer


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			

Model			
Country of Origin			
Specification	<p>Semi-Automatic Driven Type: Electric Capacity: 500-1000 Bottles Per Hour Material: Polypropylene Cap Diameter: 25mm-38mm Voltage: single phase.</p> 		

69. Manual Tray Sealer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Single phase Manual Packaging Material: plastic Construction: stainless steel</p> 		

70. Manual Bubble Tea Cup Sealer

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 300-500 pouch per hour Voltage: 220v Dimension(mm): 270*270*590 mm Power: 270 W</p> 		


71. Manual Pet blowing machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 2-4 cavities Raw material: PET Power consumption: 10kW Phase: Three Phase Automation: Manual Body: Stainless Steel</p>		

			
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72. Extruder machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Machine Type: Single-screw dry puffed extruder (semi-automatic)</p> <p>Production Capacity: 20 – 60 kg/hour (small scale)</p> <p>Screw Type: Single-screw (hardened alloy steel)</p> <p>Motor Power: 3 HP</p> <p>Heating Type: Electric heater</p> <p>Heating Zones: 1–3 zones with digital temperature control</p> <p>Control System: Digital temperature controller, on/off switch, emergency stop</p> <p>Screw Speed: 300–600 rpm (adjustable via belt)</p> <p>Single phase</p>		


	<p>Material: Stainless steel 304 food-grade</p> <p>Die Type: Interchangeable die heads for different snack shapes</p> <p>Machine Dimensions: Approx. 1000 × 600 × 1200 mm</p> <p>Purpose: kurkure type corn puffed snacks</p> 		
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73. Noodle making machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Semi-Automatic</p> <p>Capacity : 50-100 kg/hr</p> <p>Material:Stainless steel</p> <p>Single phase</p> <p>Power: 0-40 Kw</p> <p>Roller Shutter Length: 88*220MM</p>		


			
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74. Popcorn making machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Semi-Automatic Material: glass Single phase Dimension: Approx. 600*600*900 mm 		

75. Corn flakes machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			


Specification	<p>Single phase Construction: Food-grade stainless steel Semi-Automatic Dimensions: Approx. 600*600*1000 mm Single phase Power: 2.2 KW Purpose: make corn flakes, oats flakes Capacity: Minimum 100 kg/hr</p> 		
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76. Millet dehuller cum polisher machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Single phase Semi- Automatic Over All dimensions: 1160mm x 700mm x 1300mm</p> <p>Capacity : 200-250kg/hr</p> <p>Power Required: 1Hp Material: Mild Steel Purpose: Removing the husk of Minor Millets</p>		


			
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77. Bakery Display counter

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Counter shape: Curved Single phase Air cooled Stainless steel Four feet 		


78. Dough Kneader (Table top dough mixer)

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments
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		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	<p>Heavy Duty 1400 Watt Pure Copper Motor 5-8 L SS Bowl Metal Gears With Whisking Cone, Mixing Beater and Dough Hook</p> 		

79. Mini countertop pastry display chiller

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Number of doors: single Sliding door Temperature control: smart thermostat, auto defrost. Temperature range: 2-10 degree Celsius</p>		


	<p>Single phase Adjustable shelves Capacity: 100-200 L Dimensions: Approx. 900*550*700 mm</p> 		
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80. Sandwich Grill


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Wattage: 2000 W Material: Stainless steel Capacity: 5-10 Slices/Stroke</p> 		

81. Proofer


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			

Model			
Country of Origin			
Specification	<p>Storage capacity: 15-20 Trays Operation mode: Automatic Power source :Electric Machine body material: Stainless steel Purpose: Proofing of bakery products</p> 		

82. Waffle Maker

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Type: waffle maker Voltage: 220V Material: Stainless Steel</p> 		

83. Ice cube maker


Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Production Capacity: 15 Kg/24 hrs Size: 16 X 17 X 19 inches Purpose: Ice cube making 		

84. Soft serve Ice Cream machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	Type: Batch Freezer Hopper Capacity : 3- 5L Phase: Single Size: Approx.435x490x650 mm Temperature: -6 to -8 degree celsius Capacity : 10-15L		


			
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85. Ice cream batch freezer machine

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Type freezer: Batch Freezer Capacity: 5-10 Litres Operation Mode : Automatic Machine Body Material: Stainless Steel Power: single phase Power Source: Electric Purpose: To make gelato, ice cream, italian ice Dimensions: Width: 14 15/16 Inches Depth: 22 1/8 Inches Height: 27 3/8 Inches</p> 		

86. Three Tank electric Cooling juice Dispenser

Description	Minimum Requirement	Bidder's Response	If "No" Bidders Comments


		Complied (Yes/No)	
Make			
Model			
Country of Origin			
Specification	<p>Number Of Flavours : 3 Material: plastic and steel Capacity: Approx 15+15+15 L per tank Machine Type: Automatic Power: single phase Feature: with Agitating and bubbling function</p> 		

87. Parabolic solar cooker

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity:1.5 Sq mtr Shape:Parabolic Material:Stainless Steel Power Source:Solar Usage/Application Cooking, Frying, Roasting</p>		


			
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88. Brewing distillation still

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments
Make			
Model			
Country of Origin			
Specification	<p>Capacity: 20 L Boiler barrel: Approx.30 x 30 cm Condenser: Approx. 20 x 11 cm All parts are made of food-grade materials, including silicone, stainless steel, and copper Open Copper coil rapid cooling system Durable and tight Seal with four buckles and silicone gaskets Purpose: for brewing wine</p> 		

89. Kombucha fermentation tank

Description	Minimum Requirement	Bidder's Response Complied (Yes/No)	If "No" Bidders Comments

Make			
Model			
Country of Origin			
Specification	<p>Capacity: 20 L Structure: curved tank bottom Material: Food grade Stainless steel High thickness lid with breathable cotton and with an inox threaded bushing Equipped with stainless steel tap Purpose: for fermenting tea like kombucha drink</p> 		

Important Note:

- The photos of the items are provided just for clarity purpose and no particular brand or model is preferred.
- The bidders are requested to submit the brochures/catalogues containing technical specifications and model numbers of the items. Any item with catalogues with the technical specification and model number of the item would form enough basis for rejection of the item.

4. Drawings