**LOT 1: Supply of Milk Processing Equipment and Materials to the Integrated Polytechnic Regional College (IPRC) Musanze.**

*Bidders are expected to examine carefully and comply with all instructions and specifications.*

**Date: \_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_**

**Bidder Information**

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|  |  |  |  |
| Bidder’s Legal Name |  |  |
|  |
| TIN Number |  |  |
|  |  |  |
| Country/ies of Registration/Operation |  |  |
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| --- |
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Bidder’s Authorized Representative |
|  |  |  |  |  |
| Title |  |  Telephone |  |  |
|  |
| Email |  |  |
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**Descriptions and Specifications of required Milk Processing Equipment and Materials to be supplied to IPRC Musanze.**

| **No.** | **Item Description** | **Item Specifications** | **Units** | **Quantity** | **Unit Price (Frw)** | **Total Price (Frw)** |
| --- | --- | --- | --- | --- | --- | --- |
|  | Chronometer or Timer | Digital Millisecond Timer Stopwatch Sport Chronometer 12-hour or 24-hour Time Display with Split Memory. Plastic CE, Weighing around 0kg– 200kg, second round out, electrical balance | Pcs | 5 |  |  |
|  |  Butyrometer | Measuring device for the fat determining content in milk., Made of borosilicate glass, plain neck, or ring neck, closed bulb with a frosted label, without stopper, Type**:** Milk butyrometer Original Gerber | Pcs | 1 |  |  |
|  | Pipette | Graduated, micropipette adjustable single channel auto pipette, with plastic tips  | Pcs | 10 |  |  |
|  | Plastic dropper |

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| --- |
| Disposable Plastic Droppers Transfer Pipettes |
| Material: Low Density Polyethylene |
| Color: Transparent |
| Capacity: 0.2ml 1ml 3ml |

 | Packet | 5 |  |  |
|  | Burette  | Laboratory tool, Graduated, plasticCapacity:25ml,50ml and 100ml  | Pcs | 10 |  |  |
|  | Small vacuum and sealing machine | Material Stainless steelCapacity: 1000 Cups/Hr. Automatic sealing systemPlastic Cup Dropping StationFilling StationAluminum Foil Lid Placing stationSealing Station | Pcs | 1 |  |  |
|  | Yoghurt Filling machine | Material: Stainless steelSingle headAutomatic (electric)  | Pcs | 1 |  |  |
|  | Yoghurt packaging | Plastic bottles of 250 ml with aluminium foil in it lid, Pink or/and white in color, O2 and light barrier, semi-opaque | Pc | 4000 |  |  |
|  | Ikivuguto packaging material | Jerrican of 5 liters, white in color | Pc  | 1000 |  |  |
|  | Milk powder | Milk in powder, no sugar or other sweetening matters added. Fat < 1 .5%, protein on fat free dry matter > 34%, moisture <5%, packed in 12kg packs(tins).  | tins  | 10 |  |  |
|  | Icing sugar | Powdered sugar, white color, no odors, made of sucrose 95%, packaged in 500gr pieces, with at least 2 years of shelf-life from supply date  | Pc  | 54 |  |  |
|  | White sugar | White refined cane sugar, solid crystals, 100% dry, free flowing, no sediments, no radiation (no presence of Iodine and Cesium)  |  Kg  | 450 |  |  |
|  | Sediment test pad, dozens | Material: paper diameter: 4Omm or lessType: sediment test filter card |  Dozen | 15 |  |  |
|  | CMT kit, liters | Product specification: Reagents for testing California Mastitis Test Components: reagents and paddle Packaging: 500ml bottles Shelf life: at least 2 years from supplying date  | L  | 8 |  |  |
|  | Distilled water | At 99% of clarity  | L | 100 |  |  |
|  | Sodium Nitrate | Appearance: crystalline white powder Formula: NaNO3Application: food grade Shelf life: at least 2 years from supplying date Packaging materials: non water absorbent, impermeable.  | kg | 9 |  |  |
|  | Strawberry flavor | **Type**: strawberry flavoring agent **Appearance**: colorless liquid **Shelf life**: at least 2 years from supply date**Application**: suitable for yoghurt **Packaging materials**: small tightly closed (100ml each tin). | L | 5 |  |  |
|  | Pineapple flavor | **Type**: pineapple flavoring agent **Appearance**: colorless liquid **Shelf life:** at least 2 years from supply date**Application**: suitable for yoghurt **Packaging materials**: small tightly closed (100ml each tin). | L | 3 |  |  |
|  | Alcohol | **Type**: Pure ethanol, 90% concentration with catalogue for dilution**Shelf life**: at least 2 years from supplying date  | L | 30 |  |  |
|  | Rennet | Rennet, active, powder, with a 2 years shelf life from supply date, packaged in small quantity (at least 1 gram) | kg | 3 |  |  |
|  | Calcium chloride | odorless white powder, granules, or flakes.**Shelf life**: at least 2 years from supplying date | Kg  | 4 |  |  |
|  | Sodium benzoate | White powder, at least 2 years from supplying date | Kg  | 3 |  |  |
|  | Natamycin | Food additive, Specification E2.35**Use**: food preservation **Shelf life**: with at least 2 years from supplying date | Kg  | 5 |  |  |
|  | Potassium Sorbate | Food grade potassium Sorbate, preservative, with at least 2 years from supplying date  | Kg  | 6 |  |  |
|  | Gloves, packets | Single use protective clothes, white, mixed sized, surgical gloves | Pcs  | 300 |  |  |
|  | Calcium chloride | **Type**: calcium chloride anhydrous **Color**: pure white**Appearance**: solid pellets**Grade standard**: food grade**Shelf life**: at least 2 years from supply date**Purity**: more than 95% pure | Pcs  | 1000 |  |  |
|  | Yoghurt packaging  | 25ml, single use, yoghurt cups | Pcs | 300 |  |  |
|  | Tetra pack (Curd packaging material), | Plastic packaging materials for Curd, 1L and their lids | Pc | 300 |  |  |
|  | Packaging materials for fermented milk (Ikivuguto) | **Type**: white plastic jerrycans **Size**: 1liter **Color**: white **Component**: jerrycans+inner lids and outer lids.  | Pc | 1200 |  |  |
|  | Cheese packaging materials, pieces | plastic, transparent of 250g and 500g | Pc | 90 |  |  |
|  | Sodium Hypochlorite,  | NaOcl, Liquid, 1-3% concentration with dilution factors. At least 2 years of shelflife from supply date  | L | 6 |  |  |
|  | Chlorine solution | 0.5% concentration chlorine to clean and disinfect surface | L | 30 |  |  |
|  | Liquid soap | Cleaning soap, clear | L  | 30 |  |  |
|  | Standard buffer solutions | pH stabilizer, Neutral pH | L  | 6 |  |  |
|  | Kosher salt | Crystal salts, non iodinazed salt | Kg  | 60 |  |  |
|  | Scotch | Rolls, plastic adapting and peppers  | Pc | 10 |  |  |
|  | Plastic foil | 470\*300mm sized, cling film, transparent  | Pc | 6 |  |  |
|  | Solid soap | White bar soap, no smell.  | Pc  | 60 |  |  |
|  | White boat, sandak, pair | Plastic boats, impermeable.  | Pair  | 9 |  |  |
|  | Phosphatase strips | * **Detection capacity:** 0-50ppm PO₄
* **Vial dimensions:** 29mm (D)x86mm (H)
* **Parameter:** Phosphorus, Orthophosphate (reactive) - as PO4
* **Colour scale:** 0, 30, 75, 150, and 300 PPM Phosphate and 0, 10, 25, 50, and 100ppm Phosphorus
 | pc | 2 |  |  |
|  | Callifonia mastitis | For mastitis detection | kit | 2 |  |  |
|  | Afflatoxin detection | For aflatoxin detection for in milk | kit | 2 |  |  |
|  | Antibiotics detection | For antibiotics detection | kit | 1 |  |  |
|  | Lactoscan | For milk composition | pc  | 1 |  |  |
|  | Microsnap for rapid detection of microorganisms in milk sample | * **Type of product:** Microsnap total
* **Application/use:** Determination of total viable counts
* **Specification:** less than 10 CFU
 | pc | 1 |  |  |

**NOTE:**

1. Kilimo Trust Rwanda, in a fair and transparent manner, will select companies that fulfill all requirements.
2. If necessary, interested bidders can visit the site any time before **28th February 2022**.
3. For items that need to be installed or assembled, the bidder should include installation and assembling cost in the bid.