

REQUEST FOR QUOTATION (RFQ)

Supply, Installation, Testing and Commissioning of an Automatic Fermented Product Pouch Packing Machine

Ref No: LDFCS/02/RFQ/2026

Purchaser: LIMURU DAIRY FARMERS COOPERATIVE SOCIETY LTD

Country: KENYA

Issued on: 3/08/2026

To:

Dear Sir/Madam

Submission can be done through the Limuru dairy email

limurudairy@gmail.com or engldfcs@gmail.com.

The deadline for submission of Quotations is 10/08/2026 by 10:00 AM

1. Introduction

Limuru Dairy Milk Processing Plant (LMPL) invites quotations from qualified manufacturers, authorized distributors and packaging equipment suppliers for the supply, installation, testing and commissioning of an Automatic Fermented Product Pouch Packing Machine. The machine shall package fermented milk (Mala/Cultured Milk) into LDPE pillow pouches and be supplied as a complete operational system.

2. Design Conditions

Parameter	Requirement
Product	Fermented Milk (Mala/Cultured Milk)
Daily Production Capacity	4,000 Litres/Day
Filling Range	200 ml – 1,000 ml
Product Filling Temperature	15°C
Package Type	LDPE Pillow Pouch
Packaging Material	Printed LDPE Roll Film
Machine Capacity	Minimum 3,000 Pouches/Hour
Filling Accuracy	±1% or better
Product Contact Parts	AISI 316 Stainless Steel
Machine Frame	AISI 304 Stainless Steel
Electrical Supply	415 V, 3 Phase, 50 Hz
Compressed Air	6–8 bar Clean Dry Air
Cleaning Capability	Clean-in-Place (CIP) and Clean-out-of-Place (COP)
HMI Language	English
PLC Programming Documentation	English
Manuals & Documentation	English
Machine Compliance	Hygienic dairy design suitable for CIP/COP cleaning

3. Scope of Work

A. Automatic Pouch Packing Machine

- Automatic Vertical Form Fill Seal (VFFS) machine
- Servo-controlled filling system
- Automatic film feeding and tracking
- Vertical and horizontal sealing system
- Variable pouch size and filling adjustment
- Stainless steel product hopper.
- Food-grade product piping
- Designed for hygienic dairy applications
- Fully compatible with CIP cleaning
- Permits COP cleaning of removable components
- All product contact parts in AISI 316 stainless steel
- Food-grade gaskets and sanitary fittings

Preferred manufacturers: Nichrome, Turpack, NHM or approved equivalent.

B. Filling System

- Suitable for fermented milk
- 200 ml–1,000 ml filling range
- $\pm 1\%$ filling accuracy
- CIP compatible
- Removable nozzles for COP cleaning
- Sanitary filling valves

C. Product Hopper

- AISI 316 stainless steel
- Level sensor
- Hinged sanitary cover
- CIP spray device
- CIP return connection
- Hygienic outlet valve
- Removable components for COP cleaning

D. Date Coding System

- Automatic date coding system

E. Discharge Conveyor

- Stainless steel variable-speed discharge conveyor

F. Electrical Control System

- PLC (Siemens, Allen-Bradley or Schneider)
- Colour touch-screen HMI
- Recipe management
- Production and batch counters
- Alarm history and diagnostics
- Emergency stop and safety interlocks

- All HMI screens, alarms, menus and maintenance prompts in English
- PLC documentation and software documentation in English

4. Installation Works

- Supply and install all equipment
- Connect electrical and pneumatic services
- Testing and commissioning
- Production trials
- Operator and maintenance training

5. Schedule of Supply and Prices

Item	Description	Qty	Unit	Unit Price (KES)	Total Price (KES)	Make/Model	Country	Remarks
1	Automatic Pouch Packing Machine	1	No.					
2	Servo Filling System	1	Set					
3	SS Hopper & CIP	1	No.					
4	Film Feed & Tracking	1	Set					
5	Date Coding System	1	Set					
6	SS Discharge Conveyor	1	No.					
7	PLC/HMI Control Panel (English Interface)	1	No.					
8	Electrical & Pneumatic Connections	1	Lot					
9	Installation, Testing & Commissioning	1	Lot					
10	Operator Training	1	Lot					
11	O&M Manuals (English)	3	Sets					
12	One-Year Spare Parts	1	Lot					
13	Warranty (12 Months)	1	Lot					
				Sub-Total				
				VAT (if applicable)				
				Grand Total (KES)				

6. Performance Guarantee

- 200 ml–1,000 ml filling range
- Minimum 3,000 pouches/hour
- $\pm 1\%$ filling accuracy
- Leak-free pouch seals
- Full CIP compatibility
- COP cleaning of removable parts
- English HMI, PLC documentation and manuals
- Continuous reliable operation

7. Documentation

- Technical datasheets
- GA drawings
- Electrical schematics
- Pneumatic diagrams
- PLC software backup
- HMI backup
- Operation & Maintenance Manuals (English)
- Spare Parts Catalogue (English)
- Warranty Certificate

8. Commercial Requirements

- Equipment cost
- Installation cost
- Commissioning cost
- Delivery period
- Warranty
- Quotation validity
- Local after-sales support

9. Completion

The project shall be deemed complete after successful installation, testing, commissioning, operator training and acceptance by LMPL.