



## DAIRY FARMING SMALL SCALE PROJECT IN ARUSHA

**Project date:** 14/02/2024

**Project status:** Full business blueprint

**Progress status:** Project analysis and fund preparation

**Source:** Green Masai Foundation-Community welfare department

**Structure:** long term accumulation and maintenance approach

**Module name:** Arusha Dairy Farm ([Preparations for Arusha Mega ranch](#))


**Prepared by:** Arip Kinasha

Arusha field economy team has collected the following data, which is an actual project initiation and operational data that can be used to launch a small scale Dairy Farm in Arusha city. The project is classified as Dairy Farming, cows that will be kept for milk production purposes on a daily basis. The projection shows that the project is capable of creating revenue up to **1,100,000Tsh+** per month after the ROI period (Return on Investment) at optimal conditions.

### Cow Farm Cost breakdown ([Accurate evaluation per current market price](#))

#### PROJECTED INITIATION COST(For project initial stages)

SN	Particulars	Specifications		Cost @Unit	Status	Total cost
1.	Small scale cow shed	450 39.0193	Sq.Feets Sqm	Size/5 Cows	Available	
a.	Space required	70	Sq.Feets	Size/Adult cow	Recommended	
b.	Shed construction	450 39.0193	Sq.Feets Sqm	Cost/Construction	Tsh	500,000/-
c.	Land ownership				Private land	No purchasing costs
d.	Land security				Fenced home	No costs
e.	Electricity bills		Tsh	Cost/Month	Standard charges	50,000/-

SN	Particulars	Specifications		Cost @Unit	Status	Total cost
f.	Water bills		Tsh	Cost/Month	Standard charges	50,000/-
Work space, Water, Electricity, security					<b>Sub Total</b>	<b>Tsh 600,000/-</b>
<b>2.</b>	<b>Animal costs</b>					
a.	Adult female cow price	1	Cow	Cost/1 Cow	Tsh	1,500,000/-
b.	Overall purchase cost	5	Cows	Cost/5 Cows	Tsh	7,500,000/-
Female adult cows for milk production ( <b>Small scale</b> )					<b>Sub Total</b>	<b>Tsh 7,500,000/-</b>
<b>3.</b>	<b>Work tools</b>					
a.	Cow milker (Pump)  Single Bucket Cow Milking Machine ★★★★☆ ~ 6 ₹29,500 M.R.P: ₹32,500 (9%) Price from India	1	Machine	Cost/Pump	Tsh	900,000/- (Not necessary)
b.	Boots,rain coat,gloves	1	Person	Cost/Full Set	Tsh	50,000/-
c.	Milk cylinders (Temporary storage)	15	Liters	Cost/Cylinder	Tsh	150,000/-
Project operational equipments					<b>Sub Total</b>	<b>Tsh 200,000/-</b>

SN	Particulars	Specifications		Cost @Unit	Status	Total cost
<b>4.</b>	<b>Food + Water</b>					
a.	Grasses	5	Cows	Cost/Week	Tsh	@100,000/-
				Cost/Month	Tsh	400,000/-
b.	Maize cattle feed	5	Bags	60,000/Bag	Tsh	300,000/-
c.	Water daily consumption (Storage tank)	1	Cow	Consumption/cow	Liters	190
		5	Cows	Drinking + Wash	Liters	1000
Maintenance costs					<b>Sub Total</b>	<b>Tsh 700,000/-</b>
<b>5.</b>	<b>Supplements</b>					
a.	Minerals	2	Packs	6000/Pack	Tsh	12,000/-
b.	Salt mix	5	Packs	10,000/Pack	Tsh	50,000/-
c.	Treatments and medication	5	Cow	20,000/Cow	Tsh	100,000/-
Special supplements and treatment costs					<b>Sub Total</b>	<b>Tsh 62,000/-</b>
<b>6.</b>	<b>Workers/Employees</b>					
a.	Cow herder	1	Person	Salary/Month	Tsh	100,000/-
Manpower evaluation					<b>Sub Total</b>	<b>Tsh 100,000/-</b>
Overall capital required to start a <b>small scale</b> dairy farm in <b>Arusha</b> region with a total of <b>5 adult cows</b> , covering a land space of <b>40Sq.m.</b>					<b>Total</b>	<b>Tsh 9,162,000/-</b>

## ARUSHA DAIRY FARM PROJECT AT A GLANCE

(Summary for executive evaluation)

SN	Particulars	Unit	Parameters
1.	Name: Arusha Dairy Farm-1 ( <b>Indexed</b> )	1 Production site	5 Cows
2.	Category of the project	Livestock keeping	Scalable startup
3.	Project type		Commercial milk production
4.	Product type, size and duration	Cow milk	50 Liters/Day
5.	Sales span ( <b>Market target + Stability</b> )	Asas milk company	Daily purchase ( <b>High demand</b> )
6.	Total investment fund required	Tsh	10,000,000/-
7.	Promoters/Marketing costs	Tsh	0/-
8.	Bank loan	Tsh	0/-
9.	Interest rate	%	0
10.	Investors/Shareholders	%	0
11.	Net initial one time cost ( <b>ACMP</b> )	Tsh	8,150,000/-
12.	Fixed running costs/Month	Tsh	962,000/- ( <b>Minimizable</b> )
13.	Miscellaneous ( <b>Emergency funds in bank</b> )	Tsh	838,000/-
14.	Milk sales ( <b>At current market price</b> )	Tsh	1400/1 Liter
15.	Total daily milk sales/5 Cows ( <b>ACMP</b> )	Tsh	70,000/50 Liters
16.	Total monthly revenue (30 Days)	Tsh	2,100,000/-
17.	Net profit/Month	Tsh	1,138,000/-
18.	Net profit/Year	Tsh	13,656,000/-
19.	Return of Investment (ROI) duration	Months ( <b>At optimal conditions</b> )	10
20.	Contracted buyers ( <b>Milk processing factory</b> )	Asas company LTD	50 Liters/Day

### Summary

Dairy farming project in Arusha that requires **10 Million Tsh** to start, **10 months** to return the investment fund in full amount and capable of generating up to **13.6Million Tsh** net profit every year.

Prepared by **Arip Kinasha**, Email: [greenmasaifoundation@gmail.com](mailto:greenmasaifoundation@gmail.com) Contact: +255748257115

## **Project Title:** Green Masai Foundation Dairy Farming Expansion Project

### **Project Overview:**

The Green Masai Foundation Dairy Farming Expansion Project aims to transform dairy farming practices in Arusha, Tanzania, by scaling up operations to establish a mega ranch capable of supplying dairy products nationwide. This initiative aligns with the foundation's mission to promote sustainable agriculture, enhance food security, and stimulate economic growth in the region.

### **Project Objectives:**

- Expand dairy farming operations to establish a mega ranch in Arusha.
- Increase milk production capacity to meet national demand for dairy products.
- Improve animal husbandry practices to ensure the welfare and health of dairy cattle.
- Enhance milk processing and packaging capabilities to meet quality standards.
- Create employment opportunities and support economic development in the local community.

### **Project Components:**

#### **Ranch Development:**

- Land acquisition and infrastructure development for the mega ranch.
- Construction of barns, milking parlors, and feeding facilities.
- Installation of water supply and waste management systems.

#### **Livestock Management:**

- Procurement of high-quality dairy cattle breeds.
- Implementation of advanced animal husbandry practices.
- Veterinary care and disease prevention programs.

#### **Milk Production:**

- Implementation of modern milking techniques and equipment.
- Adoption of best practices for feed management and nutrition.
- Regular monitoring of milk quality and hygiene standards.

#### **Processing and Packaging:**

- Establishment of milk processing facilities.
- Acquisition of equipment for pasteurization, homogenization, and packaging.
- Compliance with food safety regulations and quality assurance protocols.

### **Market Expansion:**

Development of distribution networks to supply dairy products nationwide.

Branding and marketing initiatives to promote Green Masai Foundation dairy products.

Collaboration with retailers, wholesalers, and government agencies to penetrate new markets.

### **Project Timeline:**

**Phase 1:** Ranch Development (6 months)

**Phase 2:** Livestock Management and Milk Production (12 months)

**Phase 3:** Processing and Packaging (9 months)

**Phase 4:** Market Expansion (ongoing)

### **Budget Allocation:**

Ranch Development: \$X -[Get more details from Green Masai Foundation]

Livestock Management: \$X -[Get more details from Green Masai Foundation]

Milk Production: \$X -[Get more details from Green Masai Foundation]

Processing and Packaging: \$X -[Get more details from Green Masai Foundation]

Market Expansion: \$X -[Get more details from Green Masai Foundation]

### **Project Impact:**

Increased milk production capacity to meet national demand.

Creation of employment opportunities in the dairy farming sector.

Economic growth and development in the Arusha region.

Improved access to nutritious dairy products for consumers nationwide.

### **Conclusion:**

The Green Masai Foundation Dairy Farming Expansion Project represents a significant step towards achieving food security, economic prosperity, and sustainable development in Tanzania. By expanding dairy farming practices to a mega ranch level, we aim to make a lasting impact on the nation's agricultural landscape and contribute to the well-being of communities across the country.

