



**PROPOSED LIST FOR JESUS MISSION
MAIZE MILL FOR KANJEDZA ORPHANAGE
IN NGABU, MALAWI, AFRICA.**



INTRODUCTION

We are delighted to present the proposed project of the Jesus Mission Maize Mill, aimed at empowering the Kanjedza Orphanage located in Ngabu, Malawi, Africa. This transformative initiative seeks to make a significant difference in the lives of the orphaned children and the wider community by establishing a sustainable maize milling facility.

In Ngabu, like many parts of Malawi, agriculture is the backbone of the local economy, and maize is the primary staple crop. However, access to milling services remains a considerable challenge for communities, often resulting in high costs and limited availability of essential maize flour. This scarcity impacts vulnerable populations, including orphanages like Kanjedza, where nutritious meals are essential for the children's health and well-being.

Recognizing the pressing need to address this issue, the Jesus Mission has embarked on this mission to establish a state-of-the-art maize mill within the premises of Kanjedza Orphanage. This endeavor aims to bring about lasting change, not only by providing a reliable and cost-effective maize milling solution but also by fostering self-sufficiency and creating opportunities for the community.

The proposed Jesus Mission Maize Mill will be equipped with modern machinery, capable of processing maize into high-quality flour with utmost efficiency. The facility will be managed by trained staff, ensuring smooth operations and sustainable output. By offering affordable milling services to the local community, the mill will alleviate the financial burden for the orphanage, improve food security, and promote economic growth within Ngabu.

Moreover, the Jesus Mission Maize Mill is envisioned as a multifaceted project, encompassing vocational training programs for the orphanage residents and community members. Through skills development in mill operation, maintenance, and entrepreneurship, we aim to empower individuals with the knowledge and expertise to sustainably manage the mill while nurturing a sense of self-reliance.

We sincerely believe that the Jesus Mission Maize Mill will be a catalyst for positive change, uplifting the lives of the children at Kanjedza Orphanage and creating a ripple effect of progress throughout the community. With your support and generosity, we can make this vision a reality, ensuring a brighter future for these deserving children and contributing to the growth and well-being of Ngabu, Malawi.

Join us in this noble cause as we work together to empower the Kanjedza Orphanage through the establishment of the Jesus Mission Maize Mill. Together, we can make a lasting impact, providing sustenance, opportunity, and hope to those in need.



MATERIALS/MONETORY COSTS FOR THE BUILDING

Let us provide a rough estimate of the total material and labor cost for a two-story building with a size of 12 meters by 12 meters.

MATERIAL COSTS:

Foundation: The cost of foundation materials is 10 000 000 MWK (e.g. Digging out and slab)

Structural Framework: The materials for columns, beams, slabs, and other load-bearing elements is 12 000 000 MWK. This includes steel reinforcement and concrete.

Walls and Partitions: The cost of wall materials, such as bricks, blocks, or other alternatives, along with mortar and finishing materials is 15 000 000 MWK.

Roofing: The cost of roofing materials, including roof trusses, roofing sheets, insulation, and other necessary components is 9 000 000 MWK.

Windows and Doors: The cost of windows, doors, frames, glass, hardware, and fittings can vary depending on the quality and design choices. An estimated range for these materials which we found in Build Africa Hardware Malawi is 10 000 000 MWK.

Flooring: The cost of flooring materials, such as ceramic tiles or concrete, along with any necessary underlayment or leveling materials 5 000 000 MWK

Plumbing: The cost of plumbing materials, including pipes, fittings, valves, fixtures, and water supply components, according to the prices in all leading hardwares in Malawi is, 3 500 000 MWK. (The figure above includes a supplying fee from Water board of Malawi)

Electrical: The cost of electrical materials, such as wiring, switches, outlets, panels, air conditioner units (four large ones) Solar power plant as a backup, lighting fixtures, and other components is 11 000 000 MWK. (The mentioned figure includes an installation fee of Electricity Supply Cooperation of Malawi-ESCOM)

Labor Costs:

For a building of this size, the total project labour cost is 30 000 000 MWK



MAIZE MILLING MACHINE & INSTALLATION COST

Quotation for diesel/ electrical maize mill and huller

-Complete diesel/ electrical Maize mill (Lb7) with 28hp water-cooled engine and 26 beaters

-Belt guard, pulleys. cyclone stand, fittings, base frames etc

-Production: Over 600/800kgs/hour

-Price: 7 500 000 MWK

Quotation for diesel/ electrical maize mill and huller

-Complete diesel/ electrical Maize mill 15hp water-cooled engine and 26 beaters

-Belt guard, pulleys. cyclone stand, fittings, base frames etc

-Production: Over 350/500kgs/hour

-Price: 6 000 000 MWK

Note: Miscellaneous costs includes other expenses, maintenance tools and spare parts, training for the assigned operators, government permits and licenses.



DIESEL STORAGE AREA AND SAFETY PRECAUTIONS

Storing diesel for a maize mill in Ngabu, Malawi, requires careful consideration to ensure safety, minimize fuel degradation, and maintain optimal fuel quality. Here are some guidelines for storing diesel:

Storage Tanks: We will invest in appropriately sized storage tanks designed specifically for diesel fuel. We will consider the required storage capacity based on the mill's fuel consumption rate and expected usage.

Location: Well-ventilated and secure location will be chosen for the diesel storage tanks.

Tank Maintenance: Regular inspection on the tanks for any signs of damage or leaks. Implement a maintenance schedule for cleaning, painting, and checking tank integrity.

Fuel Quality: Using high-quality diesel fuel from reliable sources

Filtration and Separation: We will install fuel filtration systems to remove contaminants, such as dirt, water, and particles, before dispensing the fuel. This helps protect the milling equipment from damage and maintain fuel efficiency.

Fuel Rotation: Implemented fuel rotation system to use the oldest fuel first and ensure that stored diesel remains within an acceptable age limit.

Safety Measures: We will comply with local safety regulations and guidelines for storing flammable liquids. Install appropriate fire safety equipment, such as fire extinguishers and fire suppression systems, near the storage area. Staff will be trained on proper fuel handling procedures and emergency response protocols.

Record Keeping: We will maintain detailed records of fuel deliveries, usage, and storage conditions. This documentation helps track fuel consumption, identify any abnormalities, and ensure proper inventory management.

▶ Total Cost for the Diesel Tank, installation
14 000 000 MWK



BOREHOLE DRILLING COSTS

N O	DESCRIPTION	Q T Y	U N I T	RATE(M K)	AMOUNT(M K)
1	Mobilization and demobilization of manpower and equipment to and from site	1	Ls	290,000. 00	240,000.00
2	Site preparation and rigging up before drilling and Site clearing and rigging down after drilling	1	Ls	240,000. 00	240,000.00
3	Geosurvey	1	Ls	250,000. 00	200,000.00
4	Drilling from 0 to 50m depth	5 0	m	32,500.0 0	1,625,000.00
5	Supply and installation of 113mm UPVC plain Pipes	1 0	m	17,000.0 0	370,000.00
6	Supply and installation of 133mm UPVC slotted Pipes	5	m	18,000.0 0	490,000.00
7	Supply and packing well sorted gravel	1 1	m 3	13,000.0 0	543,000.00
8	Well cleaning and development	5	hrs	56,000.0 0	280,000.00
	TOTAL SUM PER BOREHOLE				4,508,000.0 0

1	Afridafe pump	750,000.00
20	rising pipes and some other materials	700,000.00
	Quarry, bricks, cement, river sand,	820,000.00
	Labor charge for mgigo installation	300,000.00

GRAND TOTAL **6,778,000.00**

NOTE: Advance payment of 60% is required before drilling commencement



FULL TIME BUILDING MAINTENANCE AND CLEANING SUPPLIES

Routine Cleaning and Housekeeping: Regular cleaning and maintenance of the milling facility, including floors, walls, equipment, and common areas. This costs 1 500 000 MWK.

Equipment Maintenance: Regular inspection, servicing, and repairs of the milling equipment to ensure optimal performance. This can include lubrication, belt replacements, bearing maintenance, and electrical system checks. The cost for equipment maintenance is 2 500 000 per year.

Electrical Maintenance: This includes checking and maintaining electrical connections, switches, motors, and control panels. Hiring a licensed electrician for periodic inspections and necessary repairs is 2 000 000 MWK.

Plumbing Maintenance: Regular inspection of plumbing systems, including pipes, valves, and fittings, to identify and fix any leaks or issues. Plumbing maintenance costs can range 1 000 000 MWK per year.

Structural Maintenance: Ensuring the integrity of the building structure by inspecting walls, roofs, windows, and doors. This may involve repairing cracks, repainting, or replacing damaged components. The cost for structural maintenance is 2 000 000 MWK per year.

Pest Control: Implementing measures to prevent and control pests such as rodents, insects, and termites. This may involve periodic pest control treatments and inspections. The cost for pest control 500 000 MWK per year.

Safety Inspections: Regular safety inspections to comply with local regulations and ensure a safe working environment. This may involve fire safety checks, emergency lighting inspections, and other safety-related assessments. The cost for safety inspections can range from 1 000 000 MWK per year.

Miscellaneous Repairs and Maintenance: Unexpected repairs, replacement of small components, and general maintenance tasks that may arise throughout the year. 700 000 MWK is enough for the whole year.



UNIFORMS FOR WORKERS AND THEIR SALARIES

1 Gardener, 2 security guards , 2 machine operators (part time & full time)

* The workers will be given protective attire, safety glasses, safety shoes, hearing protection gloves and dust mask.

All the workers will be paid 50 000 MWK each except a security guard who will be receiving 55 000 MWK per month

AUTOMATIC GATE & FENCE

Electric fence and an automatic gate all mounts up to 7 000 000 MWK.



FIRE INSURANCE



Britam Insurance (Malawi) Limited
Delamere House, Victoria Avenue
P.O. BOX 442, Blantyre, Malawi
Tel: (+265) (0) 01 824 044/01 823 893/01 824 961/
0 991 977 011/0 991 977 010
Fax: 01 823 862
Website: www.britam.com
Email: britammw@britam.com

Quotation

June 19, 2023

Jesus Mission
P.O. Box
BLANTYRE

Dear Sirs,

RE: FIRE INSURANCE QUOTATION – JESUS MISSION

Reference is made to the above subject and, we are pleased to advise our quotation as follows:

Perils Insured : Fire, bushfire, lightning, explosion, Earthquake, riot, strike, malicious damage and special perils (100% liability)

Period of Insurance : 12 months

Situation : Kanjedza Orphanage, Ngabu, Chikwawa

Property covered and Sums Insured

Item	Description of Property	Sum Insured (Mk)	Premium (MK)
1	On a building occupied as a Maize Mill situated at Kanjedza Orphanage, Ngabu, Chikwawa	105,000,000.00	
2	On a Diesel Milling Machine situate as above	6,000,000.00	
3	On Fuel Tank situate as above	14,000,000.00	
	Totals	125,000,000.00	312,500.00
	16.5% VAT		51,562.50
	Stamp Duty		5,000.00
	Net Premium		369,062.50

Excess : 5% on each and every loss

Note: Quotation valid for 30 days

We thank you for giving us the opportunity to quote and now look forward to receiving your instructions to place cover.

Yours sincerely,

Joe Chapola
Asst. Sales Manager – Direct



TOTAL PROJECT COST

The total sum of the whole proposed project is **160 369 065** MWK



INFORMATION PRESENTED BY: HUMBA MANJENA (Jesus Mission)

