

AUGUST 2024

Project Proposal

Mbuguni
Arusha - Tanzania



*Proposal for the Development and Establishment of Amani Healthcare
& Medical Center*

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Executive Summary

Project Background

Amani Healthcare & Medical Center, currently a small pharmacy and laboratory in Mbuguni, Arusha, aims to expand into a comprehensive healthcare facility. This proposal outlines our vision, objectives, machinery requirements, team needs, budget, and a call for donations to establish a center that provides essential healthcare services to a largely underserved community.

Mbuguni, located near the famous Tanzanite mining area of Mererani, is a growing community with a population of over 16,000. Despite its growth, Mbuguni lacks adequate healthcare facilities, forcing residents to travel long distances to Arusha or Moshi for medical services. The establishment of Amani Healthcare & Medical Center will address this gap, offering accessible and affordable healthcare to the local population.

Mission

To become a role model community-based healthcare center, offering basic healthcare services and disseminating our experience to other communities in Tanzania.

Vision

By engaging Good Samaritans, donor organizations, and developed healthcare establishments, we aim to resource outgoing but functional health equipment and expertise, ensuring the sustainability and effective administration of the center.



Beneficiaries & Citations



The primary beneficiaries are the residents of Mbuguni and neighboring areas, who will gain access to quality healthcare services. This project also aims to provide training opportunities for medical graduates and clinical officers, contributing to the future healthcare workforce in Tanzania.

A report on outpatient facility evaluations in the Arusha region highlighted issues such as absenteeism among medical personnel, limited availability of essential pharmaceuticals, and inadequate physical infrastructure. These factors contribute to the overall lower quality of healthcare services in the area.

Project Objectives

Expand and Upgrade

Transition from a small pharmacy and laboratory to a fully equipped healthcare center.

Improve Access

Ensure residents of Mbuguni and surrounding regions have access to essential healthcare services.

Community Outreach

Extend healthcare services to remote and underserved areas through outreach programs.

Registration and Licensing

Amani Healthcare & Medical Center will be registered as a private entity with a non-profit foundation, Amani Healthcare Foundation, managing donations and outreach initiatives.

Team: Organization and Management

The center will be staffed by a dedicated team, including:

Administration Team

Managing Director, Assistant Manager, Accountant, Procurement Officer, and Human Resource Manager.

Medical Team

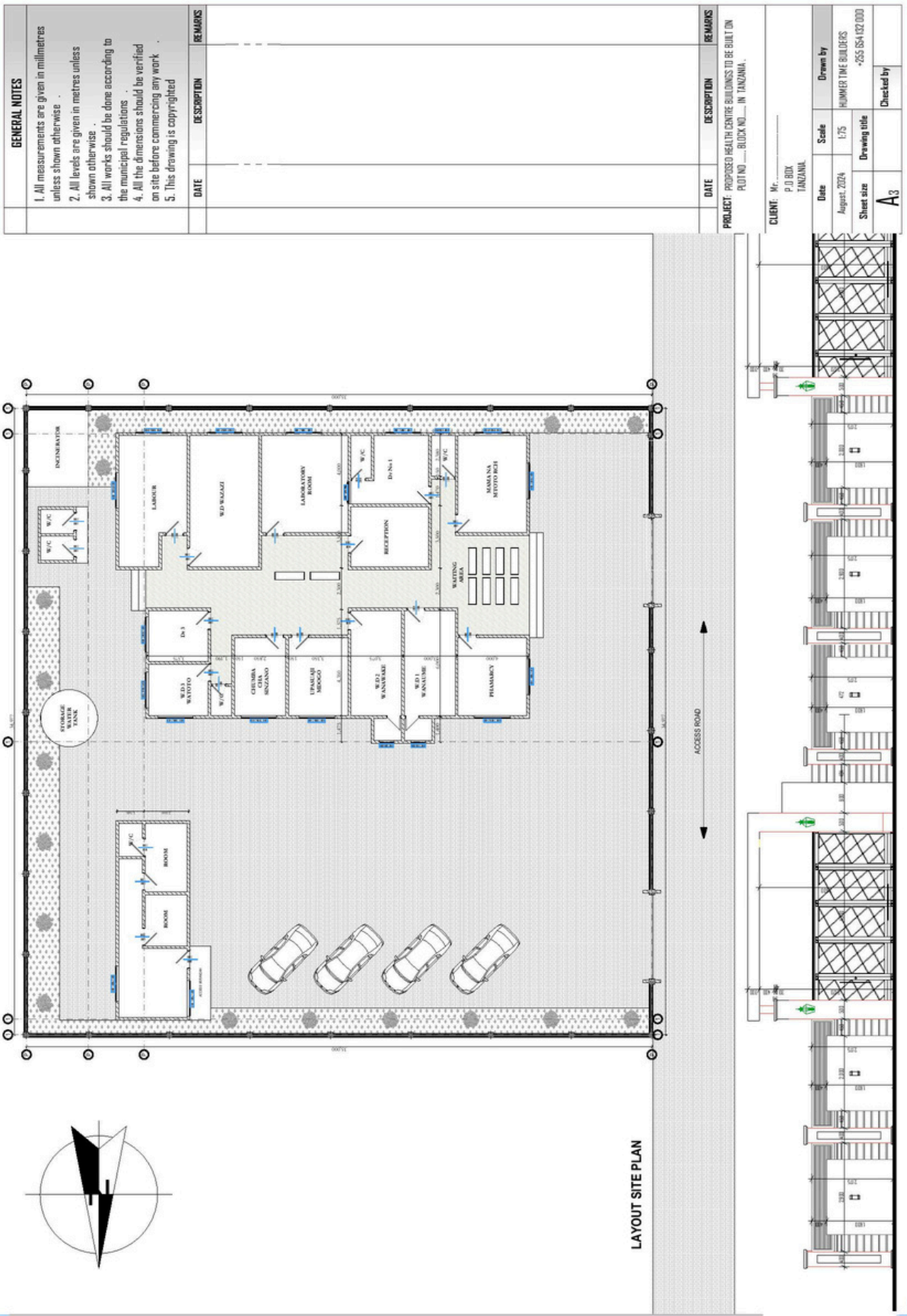
Lead Medical Doctor, Assistant Medical Officers, Clinical Officers, Nurses, Midwives, Lab Technician, Assistant Lab Technicians.

Support Staff

Drivers, cleaners, and service providers for security and transportation.



Layout & Facility Plan



Amani Healthcare & Medical Centre Development & Establishment Proposal



Amani Healthcare & Medical Center: Our Philosophy and Passion

Amani, meaning "Peace" in Swahili, reflects our commitment to providing healthcare services in a stress-free environment. Inspired by personal experiences of inadequate healthcare, the founders are dedicated to transforming healthcare in Tanzania. Starting as a small pharmacy, the center has grown due to the high demand and hope it has provided to the community. Our vision is to be remembered as change-makers who contributed to a healthier future for Tanzania.



Machinery and Technology Requirements

To provide comprehensive healthcare services, the following equipment is required:



Autoclave Machine

Essential for sterilizing medical instruments, ensuring all tools are free from bacteria, viruses, and other pathogens. Recommended models should have a capacity suitable for a small to medium healthcare center, with both manual and automatic options.



Microscope Machine (CXL 23)

Used for examining blood samples, tissues, and other biological specimens. A microscope with a high-resolution lens system is crucial for accurate diagnosis in laboratory settings.



Chemistry Analyzer Machine (Mindray)

This machine performs a wide range of tests, including liver function, kidney function, and blood glucose levels. It is critical for diagnosing and monitoring chronic diseases.



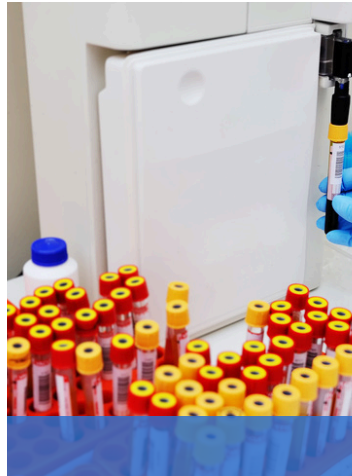
Machinery and Technology Requirements

To provide comprehensive healthcare services, the following equipment is required:



Hematological Analyzer Machine (DH76)

Analyzes blood samples for complete blood counts (CBC), crucial for diagnosing conditions like anemia, infection, and leukemia.



Urine Analyzer Machine (Cybow 10)

Used for routine urinalysis, detecting substances such as glucose, proteins, and blood in urine, aiding in the diagnosis of conditions like diabetes and urinary tract infections.



Hb Electrophoresis Machine

Specialized equipment used for diagnosing blood disorders such as sickle cell anemia and thalassemia by separating hemoglobin components.



Machinery and Technology Requirements

To provide comprehensive healthcare services, the following equipment is required:



X-ray Machine (Mindray)

Vital for imaging bones, chest, and other body parts to diagnose fractures, infections, and diseases such as pneumonia and tuberculosis.



Ultrasound Machine

Used for imaging internal organs, monitoring pregnancies, and guiding procedures such as needle biopsies. The machine should have Doppler capabilities for more detailed vascular imaging.



Electrocardiography (ECG) Machine

Records the electrical activity of the heart, essential for diagnosing heart conditions such as arrhythmias, myocardial infarction, and other cardiovascular diseases.



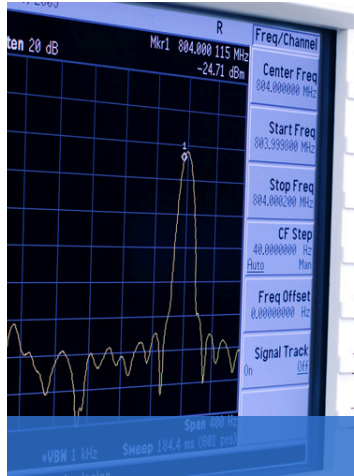
Machinery and Technology Requirements

To provide comprehensive healthcare services, the following equipment is required:



Centrifuge Machine

Separates components of blood or other fluids by spinning them at high speed, used in both diagnostic and research settings.



Hormonal Analyzer Machine

Analyzes hormone levels in blood samples, crucial for diagnosing endocrine disorders such as diabetes, thyroid disorders, and reproductive health issues.



Water Bath Machine

Provides controlled temperature conditions for incubating samples in water, used in various laboratory tests, including microbiological cultures and chemical reactions.



Machinery and Technology Requirements

To provide comprehensive healthcare services, the following equipment is required:



Incubator Machine

Maintains a stable environment with controlled temperature and humidity, essential for growing microbial cultures or for newborn care in neonatal units.



A Call for Donation

We invite individuals, institutions, and organizations to help procure the necessary medical equipment. We also welcome donations of outgoing but functional equipment from hospitals and medical institutions.

What Can We Do to Acquire These Equipment?

- We will apply for importation exemptions from the Tanzania Health Authorities and Tanzania Revenue Authority.
- We will cover all necessary clearing and forwarding services through registered CFA agents.
- We will provide accommodation for volunteers and medical experts needed for the installation and training on the use of the equipment.

How Will This Make a Change?

- The equipment will enable us to offer standard healthcare services at affordable costs, ensuring sustainability.
- We will provide training opportunities for medical graduates and clinical officers, contributing to a better future for the healthcare community.



Amani Healthcare & Medical Center: Basic Healthcare Services



Blood Tests (Thin & Thick)

Detects malaria parasites in the blood.



Malaria Rapid Diagnostic Test (MRDT)

Quickly diagnoses malaria by detecting antigens derived from malaria parasites.



Urine Pregnancy Test

Detects the presence of human chorionic gonadotropin (hCG) to confirm pregnancy.



Haemoglobin (HB) Test

Measures the amount of hemoglobin in the blood to check for anemia.



Blood Sugar Test

Monitors blood glucose levels, crucial for diagnosing diabetes.



Blood Group Testing

Determines a person's blood type (A, B, AB, or O) and Rh factor (+ or -).



Urinalysis

Detects abnormalities in urine, indicating conditions like urinary tract infections or kidney disease.



Stool Analysis

Diagnoses gastrointestinal infections, parasites, and other digestive system disorders.

Amani Healthcare & Medical Center: Basic Healthcare Services



Erythrocyte Sedimentation Rate (ESR)

Measures inflammation in the body, helpful in diagnosing conditions like arthritis or infection.



H. Pylori Antibody (Ab) Test

Detects antibodies against *Helicobacter pylori*, indicating a past or current infection.



H. Pylori Antigen (Ag) Test

Detects active *Helicobacter pylori* infection in the stomach.



Widal Test

Diagnoses typhoid fever by detecting antibodies against *Salmonella* bacteria.



Brucellosis Test

Detects antibodies against *Brucella* bacteria, indicating brucellosis.



Syphilis RPR/VDRL Test

Screens for syphilis infection by detecting antibodies in the blood.



Gonorrhea Test

Diagnoses gonorrhea infection by detecting the presence of *Neisseria gonorrhoeae*.



High Vaginal Swab (HVS)

Detects infections in the vaginal area, including bacterial vaginosis, yeast infections, and STDs.

Amani Healthcare & Medical Center: Basic Healthcare Services



Uric Acid Test

Measures uric acid levels in blood, indicating gout or other metabolic conditions.



Cholesterol Level Test

Measures total cholesterol, LDL, HDL, and triglycerides, important for assessing cardiovascular risk.



Gram Stain

Identifies bacterial infections by staining bacteria in a sample.



Hepatitis B & C Tests

Screens for Hepatitis B and C viruses, which can cause liver disease.



Full Blood Picture (FBP)

Provides a comprehensive view of blood cells, used to diagnose a wide range of conditions.



Urea and Creatinine Tests

Measures kidney function by assessing levels of urea and creatinine in the blood.



Alanine Transaminase (ALT) & Aspartate Transaminase (AST) Bilirubin Tests

Assesses liver function by measuring enzymes and bilirubin levels in the blood.



Sickle Cell Testing

- **Early Stage:** Screening for sickle cell trait or disease using a simple blood test.
- **Progressed Stage:** Detailed analysis including hemoglobin electrophoresis to confirm the presence of sickle cell disease.

Amani Healthcare & Medical Center: Basic Healthcare Services



Ultrasound for Pregnant Women

Monitors fetal development, detects abnormalities, and assesses the health of the pregnancy.



Ultrasound for Normal Person

Visualizes internal organs, such as the liver, kidneys, and gallbladder, to detect abnormalities.



Mother and Child Healthcare Special Cases

Specialized ultrasound and other diagnostic services for high-risk pregnancies and pediatric conditions.



X-Ray

Diagnoses fractures, infections, tumors, and other conditions affecting bones and chest.



Oesophago-Gastro-Duodenoscopy (OGD)

Diagnoses and treats conditions of the upper gastrointestinal tract.



Electrocardiogram (ECG)

Records the electrical activity of the heart to diagnose heart conditions.



Echocardiogram (ECHO)

Uses ultrasound to create images of the heart, assessing its structure and function.



Immunization Services

Prevents vaccine-preventable diseases in children and adults.

Amani Healthcare & Medical Center: Basic Healthcare Services



HIV Testing and Counseling

Provides screening for HIV infection and counseling services.



Family Planning Services

Provides counseling and contraceptive options to help families plan pregnancies.



Antenatal and Postnatal Care

Ensures the health of the mother and baby before and after birth.



General Consultation Services

Provides initial diagnosis and treatment for various health conditions.



Nutritional Counseling

Provides dietary advice to improve health and manage conditions like diabetes, hypertension, and obesity.



Minor Surgery and Wound Care

Treats minor surgical conditions and provides wound care.



Chronic Disease Management

Manages long-term conditions like hypertension, diabetes, and asthma.



Mental Health Services

Provides support for mental health conditions such as depression, anxiety, and substance abuse.

Special Services (New Services)

At Amani Healthcare & Medical Center, we are introducing new services to enhance healthcare access, including outreach programs, affordable healthcare gadgets, and the installation of life-saving equipment. These initiatives aim to support vulnerable community members and improve overall health outcomes. We invite partners and donors to join us in making a lasting impact.



Amani Healthcare & Medical Center: Special Services (New Services)

Outreach Services

We offer specialized outreach services tailored to meet the needs of the elderly, disabled, and patients requiring intensive care. Recognizing the challenges faced by these populations, our goal is to ensure that healthcare is accessible to all, regardless of mobility or financial constraints. To enhance these services, we seek donations to acquire transport facilities, mobile healthcare equipment, and volunteers. Our initiative also includes collaboration with insurance companies and emergency medical services, such as evacuation teams and flying doctors, to provide life-saving interventions during critical situations.

Healthcare Gadgets

Healthcare gadgets, such as blood sugar monitors, inhalers, hearing aids, and other essential devices, are often prohibitively expensive for low-income communities when purchased through regular market channels. To address this, we are actively seeking partnerships with manufacturers and suppliers who can provide these gadgets at reduced costs or donate surplus stock still in excellent condition. These devices are crucial for the daily management of chronic conditions and overall health, ensuring that even the most vulnerable members of our community have access to the tools they need for a healthy life.

Healthcare Equipment Installation Program

Our Healthcare Equipment Installation Program aims to make life-saving devices more accessible within our communities. We plan to collaborate with stakeholders to strategically place essential medical equipment, such as Automated External Defibrillators (AEDs), in high-traffic areas including business establishments, schools, colleges, residential complexes, and public spaces. To ensure these devices are effectively utilized, we will conduct regular workshops led by medical experts, providing necessary training to volunteers and the general public.

Healthcare Consultation Services

Mental health and addiction issues are pressing concerns within our communities, yet access to professional consultation remains limited due to financial barriers or a lack of available specialists. Our healthcare center is positioned to serve as a hub for medical volunteering and student attachments, particularly for newly graduated healthcare professionals. We aim to offer free or low-cost consultation services for individuals struggling with trauma, addiction, suicidal tendencies, and psychological disorders. By doing so, we provide a critical support system for those in need, helping to prevent crises and promote mental well-being within our communities.

We dedicate this proposal to:



Good Samaritans, Change Makers, and Individual Donors:

Along with private foundations and community leaders passionate about extending support to impoverished families in Tanzania.

Member Organizations, Clubs, and Ministries:

Along with private foundations and community leaders passionate about extending support to impoverished families in Tanzania.

Non-Governmental Organizations (NGOs) and Non-Profit Donor Organizations:

Particularly those focused on health and medical programs, whose contributions can significantly impact the wellbeing of our communities.

Governmental Health and Medical Support Organizations:

Including USAID, JICA, GIZ, China AID, and other similar entities active in Tanzania, that share our mission of improving healthcare access for underserved populations.

Embassies and International Institutions:

Operating in Tanzania, with a commitment to advancing healthcare services for vulnerable communities through targeted support and collaboration.

Corporations and Businesses:

Especially those benefiting from the people of Meru and Mbuguni, who can give back through Corporate Social Responsibility (CSR) initiatives. This includes banks, health insurance companies, telecommunications firms, and others.

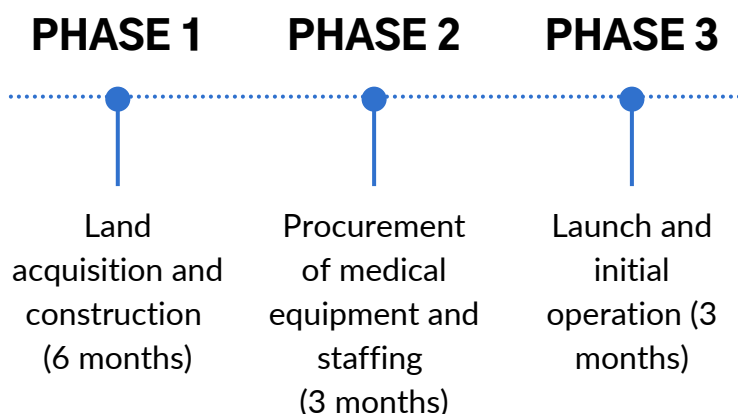
Volunteer Organizations and Community-Based Organizations (CBOs):

As well as interested individuals and groups, both locally and internationally, who wish to contribute their time, resources, and expertise.

Media Houses and Networks:

To help raise awareness, spread the message, and drive fundraising campaigns, ensuring that our goals are met within the stipulated timeframe.

Proposed Timeline



Monitoring and Evaluation

A comprehensive monitoring and evaluation plan will be implemented to ensure the project is on track, meets its objectives, and delivers the expected impact. Regular reports will be provided to stakeholders and donors.

Conclusion

The establishment of Amani Healthcare & Medical Center will bring much-needed healthcare services to the Mbuguni community and surrounding areas. With the support of donors, partners, and the local government, we are confident that this project will transform healthcare access in this region and set a model for other communities in Tanzania.

Request for Funding to Expand and Establish AMANI HEALTHCARE & MEDICAL CENTER

We are seeking the support of donors and stakeholders to raise TZS 850,000,000 (approximately USD 327,000) for the expansion and establishment of AMANI HEALTHCARE CENTER. This funding will allow us to build and develop the necessary facilities over a one-year period to serve our community effectively.

Please note: This budget does not include costs for medical equipment and machinery, as we aim to secure these through donations from healthcare centers, hospitals, and medical institutions in developed countries.

Project and Initiative	Value	Percentage
Facility Constructions	\$196,200	60%
Medical Resources Procurement	\$98,100	30%
Staff Expansion and Onboarding	\$32,700	10%
TOTAL	\$327,000	100%

How to Donate

You can make your donation through the following:

- Donation Reference: AHC/2024/111
- Account Number: 43010011333
- Account Holder/Name: Prisca Baltazary Mkumbwa
- Bank: NMB BANK PLC
- Branch: MERERANI BRANCH
- Swift Code: NMIBTZTZ
- Code: 430
- Currency: TZS

Update for Donors

If you prefer to donate online, please contact us at;

info@amanihealthcare.org

We are currently setting up a GoFundMe account and an official website with donation links.

For inquiries, contact us.

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