

Application for Mobile Ultrasound (Outreach) Services supported by the Mount Meru Foundation

Project goal

The goal is to strengthen the existing ultrasound services by integrating mobile ultrasound into antenatal (outreach) services in Tanzania in order to contribute to the health of both pregnant women and the unborn. The aim is to increase the capacity, availability, accessibility, quality and affordability of obstetric and gynaecological ultrasound services in remote areas.

Role of the Applying Tanzanian Health Care Facility

The facility will use its existing health care network, staff and, if already available, outreach services to initiate and facilitate the provision of mobile ultrasound outreach services to pregnant women and the unborn in remote areas.

The facility will provide the Mount Meru Foundation with monthly reports on the number of scans and the number of referrals made.

Role of the Mount Meru Foundation

The Mount Meru Foundation will provide the necessary equipment, as well as provide knowledge, expertise and additional training where needed.

Conditions

Aspiring facilities will provide all the information that is asked for, plus any other information that might be relevant. On the basis of this, the Mount Meru Foundation will decide which projects qualify.

Aspiring facilities will show that they have the logistical and organisational capacity needed to run the project.

The Mount Meru Foundation will provide a point of care ultrasound device to facilities that have qualified. Signing a user agreement is mandatory for receiving a point of care ultrasound device.

Project Application Form for Initiating Mobile Ultrasound (Outreach) Services with support of the Mount Meru Foundation

1 Initiating Health Care Facility

Add name + Address:

KARATU HEALTH CENTER

Mark the level of health care:

- Regional Hospital
- District Hospital
- Health Centre ✓
- Dispensary
- Other (specify)

Add name, position/qualification and contact details (email/mobile/whatsapp number) of the person in charge of the facility:

Victor Kamazima – Medical Officer Incharge

Phone no: 0764 221 564

WhatsApp: 0673 601 496

Add name, position/qualification and contact details (email/mobile/whatsapp number) of the person in charge of the planned ultrasound service outreach project:

Wilson Simpa – Clinician

Phone no: 0755 738 822

2 Description of the Initiating Health Care Facility

How long has the facility been in operation?

More than 70 years

Which services are currently provided at the facility?

- 1: Family planning
- 2: Outpatient services
- 3: RCH
- 4: C/S services
- 5: Ultrasound services
- 6: CTC services
- 7: Dental Clinic
- 8: Labour and delivery
- 9: Inpatient services
- 10: Eye clinic

How many patient visits does the facility have in a day / week / year?

- More than 100 patients per day

Since when has this medical facility been providing antenatal care and/or labour and delivery services?

- More than 30 years, no enough information supporting

If deliveries take place in your facility, how many deliveries are there yearly? If deliveries take place elsewhere, please provide information on where the majority of the deliveries in the area under consideration take place.

- 200 per month including c/s, so it's probably 2400 per year. Majority of deliveries take place at our facility.

How is your centre staffed? Describe the number of MD's, Clinical Officers, Registered/Enrolled nurses, technicians et cetera.

- 1: Medical doctors – 3
- 2: AMO's – 2
- 3: Clinicians – 3
- 4: Laboratory technicians - 6

Is there any existing ultrasound service in your facility at this moment?

- YES

If so, what type of scans are made and how many (monthly/yearly)?

- 1: Abdomen Ultrasound
- 2: Obstetric Ultrasound
- 3: Gynaecological Ultrasound

Monthly it can be more than 100 scans

If so, provide the number of ultrasound machines available, their brand, type, available probes, and technical specifications. Also, describe how many of the available machines are in use.

- 1: There only one machine which is Anudha Prodyct and it's only one working (VINNOX1)
- 2: There only two probes and it's function (curve linear proble) (linear proble)

Who is currently making the ultrasound scans in your facility? Please add name, qualifications, years of experience and contact details.

- Wilson Simpa – Clinician
- Phone no- 0755 738 822

Do patients pay for obtaining OB/GYN ultrasound scans in your centre? If so, how much?

- Yes they do, OB – 5000/- Tsh as consultation
Gyn – 10,000/- Tsh

What is the referral centre for your facility and what is the main reason for referring OB/GYN patients?

- Lutheran hospital which is District Hospital sometimes patients referred due to inadequate equipment in case of c/s because facility don't have steriliser machine , For patients need care of pregnancy complications can be referred but it is very rare.

Is your facility currently providing any outreach services? If so, please describe the services, frequency, equipment, available vehicles and the areas covered. Also mention who is currently in charge of the outreach and who is covering the costs.

Yes, which is RCH outreach which only performed once a month.

Incharge of this outreach is RCH Incharge of our centre. Transport is Centre ambulance which is not reliable due to other services of our center.

The cost is covered by center and villagers getting or attending RCH services.

Services provided is Immunization for new born and antenatal care and family planning.

Is there a need for setting up (or extending current) outreach services with ultrasound services? Motivate why this is needed and mention the area/region that should ideally be covered and why.

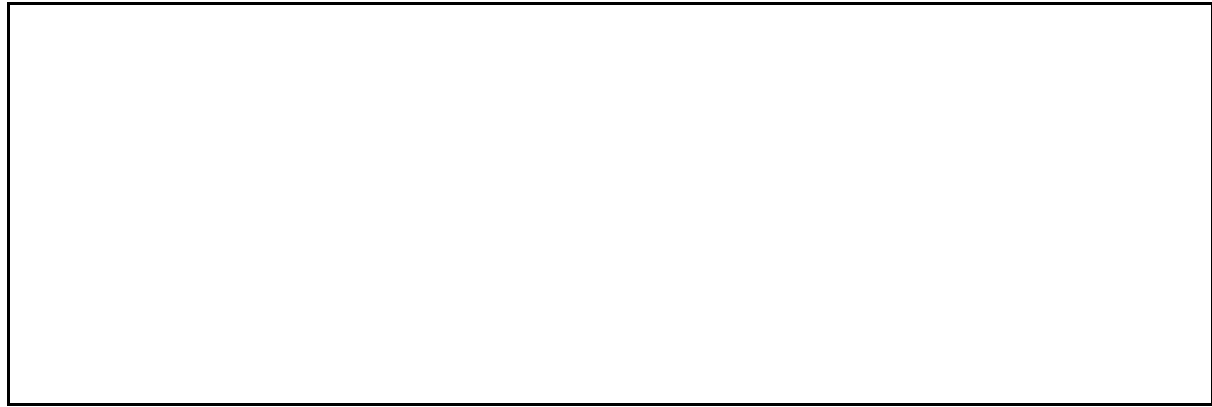
Yes, because there are people (antenatals) who living far from our health centre. It's also cost full to access our health centre so not every antenatal can afford this cost. This outreach it will be very potential for pregnant women to understand importance of antenatal care and circumstances which can happen in between three trimesters period.

This outreach will also help the community family

Planning after deliveries and importance of Immunization for their babies

It will also be helpful to pregnancy complications like pre eclampsia, presentation of foetus, placenta praevia, serostatus(HIV status), syphilis test status, early detection of foetal status.

Outreach will cover Mang'ola (Udek) because it's far from our health centre.



3 Description of the Project Area

Describe as precisely as possible the outreach area where you think mobile ultrasound outreach services provided by your facility would be of added value. This is a very important part of this application, so try to give as much relevant information as possible. Think, for example, of mentioning the type of communities living in the planned outreach area, their main (economical) activities, the particular health threats/needs/challenges of that area/community, the names of the villages/communities/tribes involved, the type of landscape, the quality of the road network, the accessibility of the area, the population density and the type of population.

-Endamararieck ward and it has Dispensary but they don't have ultrasound services, only Immunization, RCH clinic, family Planning and cervical screening are performed.

- Community covering the area of Iraq tribe which also scattered in Karatu District in general.
- Their main economical activities is farming only
- Their health threats is commonly diarrhoea due to use of unsafe water, gastritis, enteric fever, many of mothers get birth at home thus risking both mother and newborn health and can bring fatal condition.
- Poor infrastructure, all of their roads are rough and transport is very difficult to get, only there is morning and evening transport.
- The landscape of area is mix sort of hills and plains
- I don't have accurate data on number of population and population type are scattered
- The accessibility is difficult during rainy season

Please map the first line of healthcare facilities that are currently available for the communities in your planned outreach area, and provide the distances these communities have to travel to get to these facilities. Also, describe the services provided by these facilities.

- The area is north from Karatu Town and another area is south from Karatu Town
- The distance from Karatu to area which outreach are done is almost 38-40 kilometres
- Service providers at this facilities are
 - 1.Immunization
 - 2.Antenatal clinic care
 3. Family planning
 4. Cervical cancer screening

Are there any other outreach projects organised by other healthcare facilities in the same region? If so, please describe which outreach projects are ongoing and what services they are providing.

- No

Why would adding or setting up mobile ultrasound outreach services be of added value to your project area? Motivate your answer (if possible, quantify the benefits you expect).

- It will help antenatal to attend antenatal clinics early due to presence of ultrasound machines which will be available at scheduled time
- Early detection of babies abnormalities like hydrocephalus spinal bifida

-Not every mother can afford transportation fee from rural area to our current facility which provides ultrasound services, hence they will benefit

Map the currently available ultrasound services in your area as precisely as possible.

- Karatu Health Centre
- Lutheran hospital
- Fame medical hospital
- Rhotia health centre

Are any of these facilities currently providing ultrasound services in the planned outreach area? If so, in which facilities and where are these facilities located?

- No

If they are outside of the planned outreach area, how far are they from this area?

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What type of equipment do they have in those centres (mention, if possible, brand/type of machine/probes, etc.)

- Not easier to know their machine and equipment they do have

Provide contact details and qualifications of the sonographer/technician in charge in these centres.

-

Do existing ultrasound services currently cover (part of) the population of your planned outreach area?

- No

4 Description of the Available/Needed Facilities and Support

Who are the local medical leaders that will be supporting the mobile ultrasound outreach project? Is the local government supportive? Please mention names and contact details of the RMO/DMO/community leaders/doctors in charge etc.

- The project will be supported by DMO and Incharge of our health centre
- DMO – Dr Lucy’s Kazingo
- Incharge- Dr Victor Kamazima

At this moment, is there any mobile ultrasound equipment in place/available at your own facility? If so, why would extra mobile equipment be required?

- We don't have the mobile ultrasound at this moment

Does your facility currently employ a sonographer who could be involved in doing the mobile ultrasound outreach? Please mention name/qualifications/experience and contact details.

- Only me doctor Simpa performing sonographer cases and I asked additional of another sonographer but until now no response

If your centre currently doesn't employ a sonographer, do you have someone in mind in the region who could be involved? Please mention name/qualifications/experience, and contact details and current workplace/position.

- No at this moment, but incase I get I will provide his details

How are the internet access and mobile network in the area? Is the electric power supply reliable? Is there a vehicle in which devices can be recharged?

- At current area no electricity power only solar power system use
- No vehicle which devices can be recharged

Is your facility currently cooperating with or receiving support of any regional or international NGO? If so, please mention their names and their activities in your centre or intended outreach project region.

- No

Are any of these NGO's currently involved in outreach activities? If so, which NGO is involved in what activity?

- No