



M.E.A.K - Report for Fondation Eagle: September 2019 – May 2020

Project: MEAK Eye mission hospital tent, various locations in Kenya

Donor:

Fondation Eagle, Switzerland

Donor's reference:

FF 0501-22

Charity:

Medical & Educational Aid to Kenya, UK

Date of acceptance:

17th September 2019

Date donation received:

4th December 2019

Amount of Donation:

A one-off donation of US\$7,500

(757,575.76KSH at the exchange rate of 1 Kenyan shilling to 0.0099 US\$ as of 04/12/2019)

Duration of project:

Ongoing. The tent will be used in all eye missions in rural areas going forward.

Estimated number of beneficiaries:

Hundreds, if not thousands of people will benefit. On average, MEAK performs 6 to 7 eye missions per year, which includes the screening of approximately 8000 patients annually. Many of these patients are screened on 'outreach', where several members of the team drive to local villages to offer eye screening & eye medication & health messages. The hospital tent



will be taken on these screenings, where approximately 50 people are screened on each stop.



Project overview:

The use of the hospital tent as a mobile operating theatre, whilst an excellent idea in theory & as seen on the concept drawings, has proved more challenging than expected when translated to the field. However, there have been other unexpected uses and benefits of the tent, which have made it an invaluable part of the MEAK eye missions.

Challenges & changes:

Tent design: The tent was designed with the main objective of being used as an area to perform surgery whilst on outreach eye missions. However, despite attempts at doing so, the tent is unsuitable for surgery. This was due to several reasons, one being the ambient temperature inside the tent in the Kenyan desert heat. The tent flaps need to be closed to maintain the sterile field, but the result of this is that the tent is too hot for a team to comfortably perform cataract surgery. Any modifications, such as mesh inserts to the sides of the tent, whilst improving ventilation, would compromise the sterile field. Especially as the MEAK team usually operate in dry, dusty & windy places. In addition, the tent was found to be too light in very windy conditions and flapped around too much to make the fine motor work of cataract surgery safe. It goes without saying that this has been a great disappointment. However, the team have repurposed the tent for outreach screening, which has turned out to be very successful.

Achievements:

Use for screening: The tent was used to great effect in the field on outreach screening missions.

Previously, for outreach cataract screening, a small team would go on outreach with a dark kikoi & a pen torch for examining the eyes. Once the destination was reached & the site was established for screening, each patient would have one half of the kikoi draped over their head and the other half draped over the ophthalmic nurses' head. This made the environment dark enough for the pen torch light to be shone into the eyes for examination. By doing this, the presence of cataract or corneal scar could



be more easily distinguished. This enabled those patients with the diagnosis of cataract to be transported to the local hospital for surgery by the MEAK team.



of

The kikoi method has been put to rest as the tent has now been put to good use for screening. Taking patients inside the tent or under the awning for screening is much more pleasant than using the old kikoi method. It also provides a great deal more patient and staff comfort and overall, creates a much-needed professional environment to the screening process.

The tent was used on outreach screening for the recent Moyale & Marsabit missions & the mission to Siaya which preceded it. As the mission has a sleeping section for the roof of the vehicle, it is envisaged that the vehicle with the tent could be taken on an overnight outreach mission, which would reduce the amount of travelling from the main camp to the small surrounding manyattas.

Advantages of the tent:

- The tent:
 - Can be easily transported in the 4WD vehicle & erected in 15 minutes, even quicker if just the awning section is erected;
 - Provides valuable shade for the team & patients, keeping them out of the hot sun in often desolate environments without trees;
 - Provides a dark environment for cataract testing;
 - Provides a more suitable environment for eye testing with the Snellen eye chart for visual acuity;
 - Lends a more professional environment to the screening & dispensing process;
 - Allows to separate queues of patients to be screened if the two sections of the tent are erected (the operating section and the anaesthetic section of the tent). The flap can be partially raised to allow for air circulation. This is very helpful if there are many people waiting for screening, who can quickly become impatient and drift off, potentially not getting the treatment they need



Budget summary:



Bunduz Limited
P.O. Box 44087, 00100 Nairobi, Kenya.
Tel. +254-20-241 4313, +254-721-215 426
Fax: +254-20- 224 3098
Email: info@bunduz.com
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Invoice

Client

Name **NARGIS (M.E.A.K (ORGANIZATION))**
Address NAIROBI.
City NAIROBI.
Attn: **NARGIS.**

Date. **13-06-2019**

Invoice No. 2019-M.E.A.K-01
Email correspondences

Qty	Particulars	Unit cost	Total
1	LAND CRUISER CONVERSION	\$7,500	\$7,500
	TOTAL		\$7,500

Auth. Officer: Mukhtar Sidi

Signed:

Note:

- 1 Invoice is in respect of land cruiser conversion.
- 2 All payments should be remitted to our USD account stated below;

Bunduz Limited
A/C NO: 1110538286
Kenya Commercial Bank Limited
SWIFT CODE: KCBLKENX
BRANCH: Sarit Centre, WESTLANDS (NBO)

Project overview & learning points:

Unfortunately, this project did not have the outcome that we sought in that it did not provide a mobile operating theatre as we had planned. This is despite revisions to the tent. However, not wishing to waste the tent, it has been put to very good use on the outreach screening trips, with great success.

The tent will be taken on all future MEAK missions and will be invaluable for missions where there is a great deal of pre screening that takes place before the surgical trip. From this point of view, the hospital tent is a great advance & will improve the quality of future MEAK eye missions.



Thank you:

Once again, MEAK and the Milgis Trust wish to thank Fondation Eagle for the generous grant that has enabled the purchase of the hospital tent which is aiding eye surgical mission logistics and improving the patient experience.

Fondation Eagle can feel justifiably proud that they have made such a difference to so many people's lives and wellbeing.

