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Emergency Plan of Action (EPOA)

Tanzania: Earthquake

 International Federation
of Red Cross and Red Crescent Societies

DREF Operation: n° MDRTZ020	Glide n° EQ-2016-000098-TZA
Date of issue: 20 September, 2016	Date of disaster: 10 September 2016
Operation manager (responsible for this EPOA: Andreas Sandin, IFRC East Africa and Indian Ocean Islands	Point of contact: Joseph Kimaryo, Director, Disaster Management, Tanzania Red Cross
Operation start date: 12 September 2016	Expected timeframe: 3 months
Overall operation budget: CHF 213,730	
Number of people affected: 10,620	Number of people to be assisted: 5,000 people (1,000 families) directly 5,620 (1,124 families) indirectly;
Host National Society presence (n° of volunteers, staff, branches): 70 volunteers from the local branch (Kagera), 7 NHQ staff, 7 branch Staff (Kagera)	
Red Cross Red Crescent Movement partners actively involved in the operation: ICRC, American Red Cross and Spanish Red Cross are updated on the disaster	
Other partner organizations actively involved in the operation: Government of Tanzania, Kagera local Government authority.	

A. Situation analysis

Description of the disaster

An earthquake of 5.9 magnitude hit North West Tanzania on Saturday 10th September, 2016, about 44 km from Bukoba town, on the western shore of Lake Victoria. The earthquake struck at around 15:27 local time East African time (12:27 GMT).

Based on initial reports, the quake was shallow, occurring at a depth of 10 kilometers (six miles). Shallow quakes generally tend to be more damaging than deeper quakes. Seismic waves from deep quakes have to travel farther to the surface, losing energy along the way, while the shaking from shallow quakes is more intense.

The quake hit near the shore of Lake Victoria and the tremors rippled as far as western Kenya and parts of Uganda, both of which share the waters of Lake Victoria and as far as Rwanda.



The earthquake affected area. Photo: © USGS

The Tanzania Red Cross Society (TRCS) reported that there was a light after shock on the Sunday 12th of September. There is also a threat of cracked walls which may collapse. Moreover, it has started raining in the area. East Africa's Great Rift Valley runs along a geological fault line though major earthquakes there are rare. In 2007, a magnitude 6 quake struck the Tanzanian town of Arusha, east of Bukoba. For more information, see [tectonic summary](#).

According to assessments done by the Tanzanian Red Cross Society (TRCS) in Bukoba township, initial assessment report identifies the following impacts:

- 20 deaths reported (13 adult, 7 children)
- 269 people injured
- 905 houses totally destroyed
- 1124 houses heavily to partially damaged (deep cracks)
- The quake caused a lot of panic among the population, psycho social impact (trauma) and both the directly and indirectly affected were disoriented.

Residents carried injured casualties into waiting cabs while others fanned victims sprawled on the ground. The data on the impacts above covers township Bukoba, and TRCS are still collecting data for Bukoba rural.

In terms of local coping mechanisms, the TRCS reports that the local communities are trying to host the affected families, however the large number is beyond the ability to assist. Therefore, many of the affected households are staying in the open areas close to their houses. This is also done since they are afraid that their belongings will be looted. This coping mechanism exposes them to environmental threats and other health risks.



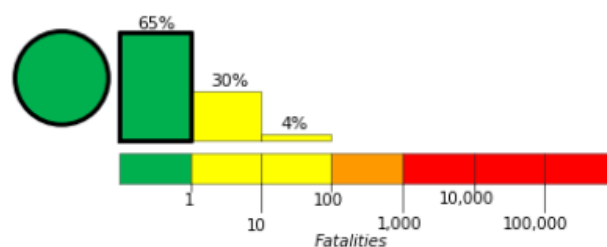
A 5.7 magnitude earthquake has caused widespread devastation in the worst-hit city of Bukoba. Red Cross volunteers are assisting by providing care and aid to those affected by the quake. Credit: Tanzania Red Cross Society

According to the [USGS hazard analysis](#), it is estimated that the earthquake will mainly have strong impact on Bukoba, Katerero and Kyaka and that these areas in the yellow category of estimated fatalities (see figure on estimated fatalities below).¹The impact can be based on the fact that the majority of the population in this region resides in structures that are vulnerable to earthquakes, though some earthquake resistant structures exist.



The Tanzania Red Cross Society Kagera Branch Volunteers doing initial assessment of the earthquake impacts in Bukoba, Kagera region. Photo: © TRCS

Estimated Fatalities



Estimated fatalities. Photo: © USGS

¹<http://earthquake.usgs.gov/earthquakes/eventpage/us10006nqx#pager>

Summary of the current response

Overview of Host National Society

The Kagera Red Cross branch collaborated with the Kagera Regional and Bukoba district authorities in providing emergency first aid and medical services to the injured persons; and management of the dead bodies. They participated in evacuation, search and rescue and provision of psychological support services (PSS). They are also continuing with rapid assessment of damages and needs in Bukoba and the rural areas. In the initial phase of the earthquake the National society also supported the most affected households with NFI's. They used their disaster preparedness stocks to provide this rapid response. The NFI's included 1000 blankets, 500 buckets/jerry cans and 50 first aid kits.

The table below shows the number of people who the TRCS reached in the initial phase of the disaster with the different types of NFI's and support.

Type of support	Number of Beneficiaries reached	How were beneficiaries selected?	When did support take place? (dates)
Blankets (1000 pieces)	333 families (@ 3 pcs per family)	Those of who their houses were completely damaged, and are either elderly, single parents, pregnant/lactating	From 13/9, 14/9 and still ongoing
Buckets/Jerry Cans (500 pieces)	250 families (@ 2 pcs per family)	Those of who their houses were completely damaged, and are either elderly or pregnant/lactating	From 13/9, 14/9 and still ongoing
First Aid kits (50) and first aid services	About 500 people	All people who were injured, in shock or otherwise traumatized	10/9 and 11/9 in particular, but ongoing

The Kagera Red Cross branch has been providing regular updates to the disaster management department at the National Headquarters (NHQ) on the evolution of the situation. The Tanzania Red Cross Society (TRCS) at NHQ has equally been in constant communication with the Eastern Africa and Indian Ocean Islands (EAIOI) country cluster support team in Nairobi for updates and activation of the Red Cross Movement disaster response tools, including DMIS, DREF application and possibly RDRT deployment, through the Regional Office for Africa.

Overview of Red Cross Red Crescent Movement in country

The International Federation of Red Cross and Red Crescent Societies (IFRC) does not have a country office, however technical support is provided through the EAIOI country cluster support team, based in Nairobi, Kenya. In addition, there are a number of short term IFRC delegates in Tanzania supporting the National Society (NS) in its response to the MDRTZ017 Population Movement and the recently closed MDRTZ018 Cholera Emergency Appeal operations. Since the onset of the earthquake in Tanzania, there has been regular contact with the IFRC EAIOI country cluster office disaster management department. On 11 September 2016, an alert was issued using the IFRC disaster management information system (DMIS).

Close contact has been maintained with the 2 PNS's in-country (American Red Cross and Spanish Red Cross) and with the ICRC.

Overview of non-RCRC actors in country

The regional authority in Kagera and the Bukoba Municipality coordinated the rescue operation and were involved in providing emergency medical services to the injured people. The Kagera regional hospital was overwhelmed and fell short of medical drugs and supplies, but thanks to the private sector, some private pharmacies gave the supplies to the government health facility on loan.

On Sunday 11th September 2016 the Tanzanian Prime Minister, Hon. Majaliwa Kassim Majaliwa visited the affected area and talked to the public. He also participated in the burial mass of the deceased and pledged government support to the affected after detailed assessment of the disaster impacts.

The TRCS is the only humanitarian organization that is physically on ground providing rescue and first aid services to the affected population. Jhpiego, a health NGO based in Bukoba donated some medicines and medical supplies to the Kagera regional hospital.

Needs analysis, beneficiary selection, risk assessment and scenario planning

According to the initial assessments carried out by TRCS Kagera branch, the immediate needs of the affected population are emergency food, and essential NFIs (blankets, mattresses, mosquito nets, buckets, kitchen sets), emergency shelter, medical supplies and psycho-social support (PSS).

Beneficiary selection:

Through this DREF operation, 1,000 of the most affected households (5,000 people with an average of five family members per household) will be directly targeted based on the following criteria: displaced people (whose houses were destroyed) and essential household/non-food items damaged. Age, gender and diversity will be considered during beneficiary targeting. The elderly, pregnant women, children under five, single parents, the disabled and chronically ill patients, who also have their households damaged, will be targeted first.

TRCS will ensure that the DREF operation is aligned with the IFRC's commitment to realize gender equality and diversity; by adapting beneficiary selection criteria that target women headed-households and people with disabilities. Other aspects considered will include prevention of sexual and gender-based violence, and the protection of children.

Risk Assessment

The Tanzania Meteorological Agency (TMA), with a primary role in weather forecasts, released a seasonal forecast bulletin on 5th September, 2016. The forecast for the October November December (OND) season is characterized by La-Nina which implies that the October-December 2016 rainfall is expected to be below normal to normal over most parts of the country. However, sufficient rainfall is expected over few areas of the Lake Victoria Basin (Kagera, Mara, Mwanza, Geita, Simiyu and Shinyanga regions) and the Southern parts of the country (Mtwara, Ruvuma and Lindi regions). For the Lake Victoria basin, Kagera is expected to receive the rains earlier and more significantly than the rest of the regions.

According to the situation update as of, 12th September, the Kagera Red Cross Branch Coordinator reported that the rains had already started in Bukoba Municipality. If the rainfall intensifies, it might negatively affect the response operation and increase the vulnerability of the already affected population by exposing the affected population who are homeless to malaria and other diseases.

Updates received on 12th of September, reported on after-shock tremors that swept across Bukoba at around 2200 hours (11th September). This has created additional trauma to the affected population who are worried that if these tremors continue they are likely to cause more damages to the already cracked houses. The earth quake in this area, with this magnitude of impact causing death and distribution is very rare. This and the more recent aftershocks have affected the mental state of the affected communities and increase the need for Psycho Social Support (PSS).

Finally, the area around Lake Victoria is a malaria prone area which increases the need for mosquito nets.

B. Operational strategy and plan

Overall objective

Following the immediate rapid assessment, TRCS will focus on:

Immediate survival needs of the earthquake-affected population are met through the provision of essential emergency relief, emergency shelter and health interventions including PSS, relief distributions, targeting 5,000 people (1,000 families) directly; and 5,620 people (1,124 families) indirectly, in Kagera region, for a period of 3 months.

Proposed strategy

The proposed strategy aims to support the TRCS to provide a total of 1,000 families (approx. 5,000 people) with direct emergency relief assistance. This DREF operation will include the following activities:

- Reimbursement of costs incurred during the initial assessment conducted by the TRCS Kagera local branch.
- Procurement of first aid kits to replenish kits used in initial response by TRCS. Please note that the first aid kits that were used in the initial response (50 first aid kits) to the earthquake will be replenished through this DREF operation.
- A detailed assessment will be performed with the support of the RDRT to be deployed in PSS and Relief /Log. The assessment will give more detailed insights in the needs of the beneficiaries and the results will determine if further scale up of the support is needed and if so, what kind of support is needed. During this assessment, the specific focus will be on identifying the needs in shelter and further procurement of NFI's (mattresses).

PMER will support in training the volunteers in use of mobile phones to perform the more detailed assessment.

- Procurement/distribution of NFIs comprising:
 - Blankets (3 pcs per family),
 - Buckets (2 pcs per family),
 - Kitchen sets (one set per family) – (locally assembled) (6 bowls, 6 cups, 2 knives, 3 pans, 6 plates and 6 spoons),
 - Mosquito nets (3 pcs per family) to prevent malaria which is a health risk, and tarpaulins (2 pcs per family) for emergency shelter.
 - Provision of Psychosocial support to the affected victims.

A community meeting will be held to discuss the beneficiary selection criteria prior to distribution of NFI's and mosquito nets to avoid conflict that may arise as a result. Involving the community in the identification of the beneficiaries as well as the distribution is a huge step in community accountability. Kagera branch volunteers will provide sensitization on the use of these items at the point of distribution. Please note that the NFIs that were distributed from TRCS preparedness stocks will be replenished through this DREF operation (1,000 blankets and 500 buckets). The five persons per household used to calculate the target number of people to be reached is the general average of a family size.

- Psycho-social training for 30 volunteers and PSS support and first aid support to be provided to the beneficiaries and volunteers. The support will also include some items to facilitate the PSS sessions and to facilitate the training. It will include the procurement PSS training materials and items for children such as footballs, children playing items/toys, and games.
- Protective gear will be procured and distributed to the volunteers (includes gum boots, rain coats and gloves), since the rainy season has started. This will enable their support to the community.
- Public communication and media relations will be done throughout the 3 months.

Operational support services

Human resources

The DREF operation will require personnel which included the following staff and volunteers:

Position Title	Sector Area	Roles and responsibilities
Volunteers (70)	Relief	Beneficiary registration and distribution of non-food NFIs.
Branch staff (7)	Initial Assessment	Technical support, initial assessment
NHQ staff (2) Branch staff (2)	PMER, DM and PSS	Perform detailed assessment and train the volunteer and RDRT on data collection and do monthly monitoring and evaluation.
National Society NHQ staff specialized in PSS (2)	PSS	Provide PSS support and train volunteers, RDRT and branch staff on PSS
Truck and vehicles drivers (2)	Transport	Will provide transport for NFI items and for transport needs of staff, RDRT and volunteers.
RDRT (1)	Relief /Log	Technical support to the TRCS to procure and distribute the NFI's.
RDRT (1)	PSS	Technical support to the TRCS staff and volunteers to provide psycho-social support and provide PSS support to those affected.

As per the new policy guideline, each volunteer will be issued with a per diem of 20 Swiss francs approx. per day to support them with the implementation of activities planned, for example, registration of beneficiaries and distribution of NFIs, and will be deployed to the affected area for at least 30 days. For the DREF operation a total of 70 volunteers will be engaged to support different activities as follows:

- 30 volunteers to support PSS and relief activities as well as the detailed assessment within 3 months
- 40 volunteers to support with relief activities including NFI distributions over a period of 15 days

Per the new guidelines, the NHQ and branches will mobilize members of staff to support the implementation of the DREF operation. Each NHQ staff member will be issued with a maximum per diem of 68 Swiss Francs per day (to also cover allowances for accommodation). Each branch staff member will be issued with a maximum per diem of 50 Swiss Francs.

A TRCS HQ PMER Staff, will provide support for the detailed assessment and train the volunteers on using mobile phones for data collection.

Two (2) of the TRCS staff have been trained on PSS and together with the RDRT's will provide training to volunteers on proving PSS. In this way the volunteers will be able to reach a much higher share of those in need for PSS.

The IFRC EAIOI country cluster office disaster management unit; and logistics unit will provide technical support to ensure that the DREF operation is implemented in accordance with the Emergency Plan of Action, and agreed conditions of the DREF.

Logistics and supply chain

Based on previous experiences, there have been challenges in quality of tarpaulin available in the market. For the last 3 DREF's, IFRC Nairobi has tried to procure tarpaulins, however, this has taken over 2 months to get the stock through customs and to the NS. This has affected the relevance and reputation of the NS to deliver on that outcome. It is therefore suggested that a market assessment of tarpaulins is to be done by the RDRT with support of TRCS and IFRC logistics to reduce the time frame delivery. The main aim will be for TRCS and IFRC to identify some prequalified suppliers, which should facilitate the procurement process and prevent stock from getting stuck at customs.

Procurement of NFIs will be carried out locally by the NHQ logistics unit in accordance with the NS procurement procedures, with technical support of the IFRC EAIOI country cluster Logistics unit staff, where necessary. For items not locally available in the required specifications will source via the IFRC regional office in Nairobi.

Procured NFI stock will be stored in the TRCS central storage facility before being pre-positioned ready for distribution to the affected areas. Temporary storage based in the affected areas will be set up.

Delivery of NFIs to the affected areas will be carried out using trucks, which will be hired to support this DREF operation.

Communications

The TRCS will work closely with the IFRC to engage with media and increase awareness of the situation of the affected people, as well as raise the publicity and profile of the Red Cross response operations, highlighting the work of Red Cross volunteers. This will be done through effective and strategic collection and dissemination of compelling human interest stories, audio visual material (photos and videos), and the use of graphics and operational facts and figures across suitable communication channels employed by TRCS and the IFRC. In addition to ensuring regular public and media engagement, information updates will also be regularly shared and communicated within the Movement, and will work together to support any fundraising efforts. In addition to ensuring constant that regularly providing communication updates within the Movement, media will also be engaged to ensure awareness is raised among donors and the general public.

Security management

The security environment is reasonably stable across the country. However, the TRCS will ensure a continuous monitoring of the security environment and implement security risk mitigation measures when required. This will especially be related to rains/flooding, after quakes and possible looting. The IFRC Regional Security Coordinate will continue to support the operation from Nairobi

Planning, Monitoring, Evaluation, & Reporting (PMER)

NHQ and branch staff will be deployed (refer to Human Resources) to support the implementation, monitoring and supervision of the DREF operation. During the DREF a detailed assessment will be done. During this assessment, the following will be assessed:

- The main needs.
- If scaling up of the operation is required.
- What type of further intervention is needed.

With TRCS PMER and IFRC, a thorough baseline survey will be developed and data will be collected through KOBO/ODK collect mobile data. The TRCS PMER staff will train the volunteers on how to use the mobile phones and collect the data.

Moreover, the TRCS will conduct monthly monitoring (3 times) and send regular operation updates on the activities planned in accordance with the EPoA and budget. The IFRC EAIOI country cluster disaster management and PMER units will provide technical support, and ensure that monitoring and reporting structures are established.

Administration and Finance

TRCS is on working advance system; and financial returns will be reported according to the National society's accounting system. The accounting journals will be sent to the regional office for verification and accounting. Financial procedures and monitoring will be put in place to ensure proper reporting and accountability. The IFRC EAIOI country cluster finance unit will provide technical support to the TRCS to ensure the activities are reported in accordance with the budget.

C. DETAILED OPERATIONAL PLAN

Quality programming / Areas common to all sectors

Outcome 1: Continuous and detailed assessment and analysis is used to inform the design and implementation of the operation													
Output 1.1: Initial and detailed needs assessment are updated following consultation with beneficiaries													
Activities planned	Week	1	2	3	4	5	6	7	8	9	10	11	12
Carry out initial needs assessment.													
ODK/KOBO training in order to collect data for the detailed needs assessment.													
Develop and carry out detailed needs assessment													
Monitoring/supervision of the activities planned by NHQ													
Continuous update of the EPoA													

Health & care

Outcome 2: The immediate risks to the health of the earthquake-affected population in Kagera region is reduced, over a period of 3 months.													
Output 2.1: Target population is provided with first aid kits and mosquito nets; and sensitized on the use of the mosquito nets (Target: 1,000 households/5,000 beneficiaries)													
Activities planned	Week	1	2	3	4	5	6	7	8	9	10	11	12
Community meeting to discuss beneficiary selection criteria prior to distribution of NFI's and mosquito nets.													
Procure/distribute mosquito nets to target population (Target: 3,000pcs / 3 pcs per family)													
Demonstrate to the beneficiaries on how to use the mosquito nets													
Procure/replenish first aid kits used in the initial response (Target: 50 kits)													
Provide first aid and referral services (Target: 10,620 people / 2,124 families – all those that require assistance as relevant)													
Output 2.2: Psychosocial support services provided to the target population													
Activities planned	Week	1	2	3	4	5	6	7	8	9	10	11	12
Procure Psychosocial support materials													
Training of volunteers and staff to provide PSS													

Community sensitization sessions on availability of PSS and First Aid services														
Provide psychosocial support services to the target population (beneficiaries and TRCS volunteers and staff)														

Shelter and household items

Outcome 3: Immediate shelter and settlement needs of the earthquake-affected population in Kagera region are met over a period of 3 months.													
Output 3.1: Target population is provided with Essential household items (EHIs) / NFIs (Target: 1,000 households / 5,000 beneficiaries)													
Activities planned	Week	1	2	3	4	5	6	7	8	9	10	11	12
Market assessment of tarpaulins and NFI items													
Procure/Transport NFIs (Target: blankets (3 pcs per family), buckets (2 pcs per family), and kitchen sets (one set per family).													
Distribute the NFIs to the target beneficiaries													

Budget

See Budget attached

Contact information

For further information, specifically related to this operation please contact:

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DREF OPERATION: TANZANIA FLOODS JANUARY 2016

24/01/2016

DREF Grant
Budget CHF

Budget Group

Shelter - Relief	0
Shelter - Transitional	0
Construction - Housing	0
Construction - Facilities	0
Construction - Materials	0
Clothing & Textiles	30,000
Food	0
Seeds & Plants	0
Water, Sanitation & Hygiene	12,000
Medical & First Aid	28,440
Teaching Materials	0
Utensils & Tools	50,000
Other Supplies & Services	0
Cash Disbursements	0
Total RELIEF ITEMS, CONSTRUCTION AND SUPPLIES	120,440
Land & Buildings	0
Vehicles	0
Computer & Telecom Equipment	0
Office/Household Furniture & Equipment	0
Medical Equipment	0
Other Machinery & Equipment	0
Total LAND, VEHICLES AND EQUIPMENT	0
Storage, Warehousing	0
Distribution & Monitoring	0
Transport & Vehicle Costs	7,391
Logistics Services	0
Total LOGISTICS, TRANSPORT AND STORAGE	7,391
International Staff	16,650
National Staff	0
National Society Staff	10,940
Volunteers	31,605
Total PERSONNEL	59,195
Consultants	0
Professional Fees	0
Total CONSULTANTS & PROFESSIONAL FEES	0
Workshops & Training	1,800
Total WORKSHOP & TRAINING	1,800
Travel	5,160
Information & Public Relations	2,550
Office Costs	3,150
Communications	0
Financial Charges	1,000
Other General Expenses	0
Shared Office and Services Costs	0
Total GENERAL EXPENDITURES	11,860
Partner National Societies	0
Other Partners (NGOs, UN, other)	0

Total TRANSFER TO PARTNERS	0
Programme and Services Support Recovery	13,045
Total INDIRECT COSTS	13,045
TOTAL BUDGET	213,730