



MOZAMBIQUE: FLOOD RELIEF

Preliminary Appeal

no: 10/01

1 March 2001

***THIS PRELIMINARY APPEAL SEEKS CHF 4,895,506
IN CASH, KIND AND SERVICES
TO ASSIST 30,000 BENEFICIARIES FOR 3 MONTHS***

Summary

Mozambique is again faced with severe flooding along the Zambeze river basin, and although at present, the situation is less grave than the previous year, it is expected that conditions will deteriorate in the days and weeks to come. As of 28 February, 90,200 people had been displaced by flooding and a potential 325,000 people are estimated to be at risk. Assessments have been carried out in the affected districts in the provinces of Zambezia, Tete, Sofala and Manica through the network of Mozambique Red Cross Society (CVM) branches. This preliminary appeal aims to support 6,000 vulnerable families (30,000 people) displaced by the floods with shelter, clean water, sanitation facilities, health care and essential relief supplies.

The Disaster

Twelve months after devastating floods killed over 700 people, displaced 544,000 more and caused billions of dollars-worth of damage in central and southern Mozambique, the country is again on the brink of major flooding - this time along the Zambeze river basin which cuts through the provinces of Tete, Manica, Sofala and Zambezia. An estimated 325,000 people live along the banks of the lower Zambeze in Mozambique, and all are potentially at risk.

Flooding began in the province of Zambezia in late January, following intense rains, winds and tropical storms. The districts of Chinde, Nicoadala, Maganja da Costa, Pebane, Morrumbala, Mopeia and Quelimane city were badly hit, with provincial officials estimating that 253,500 people were affected and 23,600 displaced from their homes. As the government, UN agencies, NGOs and the Mozambique Red Cross Society responded to this emergency, torrential rains in Mozambique, Malawi and Zambia soon brought additional flooding to areas adjoining the Zambeze river itself. Whilst the flooding thus far has not

been of the scale and intensity of last year’s events - with the population able to evacuate in good time from affected areas to higher ground and usually able to take their belongings with them - the accumulation of water and continued rainfall throughout recent weeks has now put Mozambique on the verge of another major disaster.

The Mozambican government launched an appeal to international donors on 22 February, requesting USD 30 million to assist an estimated 390,000 people affected by the floods thus far, including 80,000 persons who have lost their homes. At least 41 people are reported to have died due to the latest floods.

Torrential rains continue in Zambia and Malawi and the resulting flow of water from upstream tributaries of the Zambeze will undoubtedly lead to more flooding in the lower Zambeze river basin, which will be even more serious if the Zambeze river authority in Zambia decides to open remaining spillways on the Kariba dam in Zambia. The Zambeze river is travelling at 1 metre a second (86 km/day), which means that the water flow takes five days to travel from Cahora Bassa to the town of Caia and five days from Caia to the Zambeze’s mouth at the Indian Ocean. According to the United Nations, using data from the 1997 census, the population at risk in six towns and 103 villages along the Zambeze river basin is as follows:

	Potential Area Affected (km ²)	Potential Population Affected
<i>Tete Province</i>		
Mutarara District	1,645	76,091
<i>Sofala Province</i>		
Caia District	1,362	39,267
Chemba District	282	3,802
Cheringoma District	646	3,680
Marromeu District	3,395	51,391
<i>Zambezia Province</i>		
Chinde District	3,780	132,743
Mopeia District	708	8,521
Morrumbala District	270	3,829
<i>Manica Province</i>		
Tanbara District	292	5,408
Total	12,383	324,732

Source: United Nations, Maputo: 27.2.2001

According to the latest figures compiled by the CVM from official sources, the confirmed displaced population as of 28 February numbers at least 90,200, made up of 53,000 in Tete; 23,500 in Sofala and 13,700 in Zambezia.

Thus far, the FAO estimates that 7,650 hectares of crops have been lost in the lower Zambeze, and 13,200 hectares in Zambezia province, with severe damage caused to the region’s maize crop and a shortage of rice seeds (which are planted to replace the maize crop during flooding periods). Whilst there is no immediate food shortage crisis in any of the flood-affected provinces - thanks in part to the pre-positioning of WFP stocks - should the flood water not recede quickly, there will be a medium term food security risk.

The most pressing needs are for clean water, latrines, tents, kitchen sets, jerry cans, blankets and clothing.

The Response so far

The Federation Secretariat has mobilised a field assessment and coordination (FACT) team of three persons who will reach Mozambique by 2 March. Furthermore, CHF 100,000 has been released from the Federation’s disaster relief emergency (DREF) fund in order to facilitate the flood relief operation.

Previous Disaster Preparedness Action w

The International Federation and CVM instituted a disaster preparedness plan in October which envisaged stocking 4,000 family kits in CVM provincial and district warehouses countrywide in anticipation of flooding in the first quarter of 2001. These kits were made up of the following items costing CHF 1.8 million and were procured using funds provided by the British, Danish, Swedish, Canadian, Norwegian, Swiss and German Red Cross Societies:

- One tent
- Two blankets
- Two jerry cans
- Two buckets
- Two impregnated mosquito nets
- One kitchen set
- Two sets of used clothes
- 1½ kg of soap

These kits have proved invaluable in allowing the CVM/Federation to rush supplies to the affected areas as the disaster unfolded.

The regional delegation for Southern Africa in Harare, through the LISN project, also pledged to provide the CVM with computer equipment which would improve their potential operational effectiveness.

Red Cross/Red Crescent Action - Tete w

The Federation delegation and the Mozambique Red Cross Society last week sent the following goods to Tete from their disaster preparedness stocks established in the last few months and from an additional American Red Cross donation:

<i>Item</i>	<i>No.</i>	<i>Item</i>	<i>No.</i>
Family Tents	638	Used Clothes	10 bales
Tarpaulins	250	Footwear (various)	520
Plastic Sheeting	36 pieces	Hygiene Kits	175 kits
Blankets	1,000	Medical Kits	2
Soap	1,500 bars	First Aid Bags	30
Mosquito Nets	800	Volunteer Cholera Kits	3
Kitchen Sets	340	Clean Up Kits	200 boxes
Dishes and Plates	100	Gum Boots	50 pairs
Jerry Cans	1,200	Raincoats	55
Buckets	1,200	Water Filters	200
Bedding Material	5 bales	Chlorine Tablets	Various
Small Quilts	300	Sodium Hypochlorite	Various
Towels	200	VHF Base station and handsets	1 & 8
Boats	4	Miscellaneous Items	Various

The CVM’s logistics capacities in the province are being reinforced with the appointment of additional logisticians in Tete and Mutarara.

Mutarara

Nine teams of 10 CVM volunteers each are working in Mutarara. They participate in rescue operations, food distribution (in support of WFP), and latrine construction at the accommodation centres. The

Federation positioned a four-wheel-drive pick up in Mutarara last weekend and delivered to the CVM branch priority supplies of fuel, chlorine tablets, medical kits, first aid bags, telecommunications equipment and Red Cross supplies. A provincial health technician from Tete remained with the team which is now waiting for the supply of relief supplies to begin Red Cross distributions.

Red Cross/Red Crescent Action - Sofala w

The Sofala provincial delegation of the CVM has already delivered the following relief goods to Caia district from the disaster preparedness stocks pre-positioned in Beira: three rolls of plastic sheeting, 25 jerry cans, 30 kitchen sets, 55 clothing bundles, 100 buckets, 28 boxes of biscuits, 20 boxes of soap and miscellaneous items. Other parts of Sofala province have been hit by floods apart from the Zambeze valley, and the provincial CVM branch responded by distributing relief supplies in Dondo, Muda, Nhamatanda and Machanga.

All existing supplies from the Federation/CVM disaster preparedness stocks in Maputo were transported on Tuesday 27 and Wednesday 28 February to Beira. The following are due to arrive in Beira within the coming 24 hours:

MOSQUITO NETS	4,000 PCS
BLANKETS	3,200 PCS
TARPAULINS	225 PCS
DRINKING WATER FILTER KIT	300 KIT
RUBBER BOAT	3 UNITS
BOAT ENGINE YAMAHA	40 HP-3 UNITS
NEW SHOES	200 PAIRS
USED SHOES	1,000 PAIRS
200 LTRS OF EMPTY DRUMS	12 UNITS
ORS (20 BOXES)	20.000 SACHETS
1 MOTORCYCLE	1
SOAP	4,000 BARS
BUCKETS	4,000
JERRYCANS	4,000

In addition, the Federation is procuring and sending to Beira another two VHF base stations, solar panels, batteries and 20 VHF hand sets for use in the operations in Caia, Chupanga and the other target towns and districts. Two four-wheel drive vehicles which have arrived in Maputo and are expected to be released from customs by Friday 2 March at the latest will be dispatched to the Caia-based operations in Sofala. Forty bicycles and at least two additional motorbikes are also to be procured to ensure adequate transportation in Caia for CVM technicians and volunteers.

Eleven boats donated by DFID which were delivered on Monday 26 February to the Red Cross warehouse in Maputo will be driven to the Zambeze region, and the Federation delegation is also going ahead with the procurement of eight 45-50 horsepower engines to allow the CVM boats to navigate effectively on the Zambeze.

Red Cross/Red Crescent Action - Zambezia w

The CVM volunteers have been particularly active in almost every district affected by the floods, assisting in rescue, health education, first aid and basic medical and water chlorination activities. The provincial delegation has, however, concentrated its relief efforts on the provincial capital, Quelimane, and the district of Mopeia. CVM volunteers took an essential role in chlorination, food distribution, health education and general assistance activities in the two districts - including the accommodation centres which have now largely been closed. Thirty volunteers are working full-time in Quelimane city, 10 volunteers in Mopeia, alongside provincial and headquarters staff. Six PS1 health kits were sent to

Zambezia as well as one PS2 kit, and a further two first aid posts were established in Quelimane and Nicodala to support the existing CVM first-aid post network. These posts are concentrating on the treatment of diarrhoea and malaria.

Volunteers are also working in latrine construction and chlorination activities in the accommodation centres. A water and sanitation team has been sent to the province to support existing operations and make a detailed assessment of further activities to be started. Two additional full-time water and sanitation technicians have been employed by the provincial branch. The Spanish Red Cross has agreed to support present and future water and sanitation activities in Zambezia province.

A four-by-four vehicle funded by the Norwegian Red Cross was dispatched to the province to allow the provincial CVM to expand its activities outside these existing target areas. In addition, the Federation dispatched the following goods to Quelimane which were received on 14 February for distribution to beneficiaries in the new target areas of Chinde, Maganja da Costa, Nicoadala and Nante as well as those of Quelimane and Mopeia:

<i>Item</i>	<i>No.</i>	<i>Item</i>	<i>No.</i>
Tarpaulins	100	Used Clothes	2,239 pieces
Plastic Sheeting	200 pieces	Footwear (various)	488
Blankets	200	Hygiene Kits	350 kits
Soap	200 bars	Volunteer Cholera Kits	3
Dishes and Plates	200	Clean Up Kits	300 boxes
Bedding Material	5 bales	Gum Boots	100 pairs
Small Quilts	300	Raincoats	100
Towels	200	Water Filters	200
Miscellaneous Items	Various	Chlorine Tablets	Various

VHF radio equipment (base stations and handsets) has been procured by the Federation delegation in Maputo for the provincial delegation and will be dispatched in the coming days. Financial resources for the rent of lorries and other operational expenses have been provided by the Federation/CVM.

National and Provincial Co-ordination w

The relief operations in each province are coordinated by provincial structures of the Mozambique government's national emergency committee (INGC), and national coordination by the INGC headquarters. The INGC has separate 'cluster' groups focusing on different sectoral coordination in the areas of health; water and sanitation; shelter and logistics; and communications. In addition, the United Nations agencies, under the coordinating leadership of UNDP, hold weekly UN disaster management team (UNDMT) meetings.

At these coordination meetings, the CVM and the Federation are present and active. Newly-established air transportation coordination arrangements, supported by USAID, out of Beira airport are now functioning. In addition, the CVM/Federation have excellent relationships in Maputo and the field with operational agencies such as the WFP and NGOs such as World Vision, Save the Children, Oxfam, Action Aid and others.

The Intended Operation

Assessment of Needs •

Assessments in affected districts were carried out by the CVM/Federation in Zambezia, Tete and Sofala from the beginning of the crisis, utilising the network of CVM branches and supported by the Federation sub-delegation in Beira and field offices in Tete and Manica.

Immediate Supply Needs •

The Federation/CVM urgently need the following items for this emergency operation, to be delivered to Beira, Mozambique, or to be bought locally from cash donations.

<i>Item</i>	<i>No.</i>	<i>Item</i>	<i>No.</i>
Family Tents	4,000	Used Clothes	200 bales
Tarpaulins	6,000	PS1 Medical Kits	18
Plastic Sheeting	600 rolls	PS2 Medical Kits	8
Blankets	12,000	Cholera Kits	4
Soap Bars	9,000 kg	First Aid Bags	100
Mosquito Nets	12,000	Stretchers	100
Kitchen Sets	6,000	Gum Boots	1,000 pairs
Jerry Cans	12,000	Raincoats	1,000
Buckets	12,000	T-Shirts	4,000
Boats (2 mt capacity)	6	Chlorine Tablets	1,400,000 tablets
Boat Engines (60 HP)	6	Oral Rehydration Salts	6,000 packs

Please see the detailed budget for a full list of supplies and capital expenditure required.

Immediate Personnel Needs •

The Federation requires urgently the following delegates:

- Programme Coordinator (Maputo),
- Head of Sub-Delegation (Beira),
- Two Relief Delegates (Caia and Beira - one to start in one month),
- Logistics delegate (Beira),
- Finance/Administration/Reporting Delegate (Beira),
- Water and Sanitation Delegate (Caia).

Air Transportation •

Given the extremely difficult logistical challenges of assessing and operating within the flooded provinces of Mozambique, where road transportation is impossible due to roads being impassable, the Federation has inserted a special item in the budget to cover the essential costs of air transportation of both supplies and personnel. Without these exceptional charges, the operational aims of this appeal would be impossible to fulfill, and we hope that donors will be willing to contribute to this special need.

Red Cross Objectives •

- to provide essential shelter, non-food relief items, clean water, sanitation facilities and basic health care to 6,000 vulnerable, displaced families (30,000 people).
- to assess further needs in view of the forecast continued flooding, further displacement of populations, damage to property and crops and the risk of epidemics.

National Society/Federation Plan of Action

Emergency Response Strategy •

The Federation/CVM have decided to prepare an operational strategy based on meeting a full complement of non-food needs for 6,000 displaced families (approximately 30,000 persons) for a period of three months. The selected communities and the number of families initially targeted by this operation are as follows:

<i>Province</i>	<i>Community</i>	<i>Number of Families</i>
Sofala	Caia, Chupanga, Vila de Sena and Chemba	2,500
Zambezia	Quelimane, Mopeia and Luabo (Chinde)	1,500
Tete	Mutarara	2,000

The Federation and the CVM expect the current flood situation to deteriorate still further in the days and weeks to come. By establishing a strong logistical and managerial support base in Beira, Sofala, which supports the operational centres of Caia and Chupanga, the Federation/CVM will establish a stable operational framework which can respond quickly and flexibly to the need to expand or contract the target caseload. Combined with the strong technical support available in Maputo and the network of existing Federation field offices in Tete and Manica as well as the CVM's presence in virtually all the affected communities, this operational structure will ensure a comprehensive and effective response to the crisis.

Present Capacity of the Federation in Mozambique •

The Federation's Mozambique delegation is one of the largest in Africa, coordinating the international support to the Mozambique Red Cross Society in the implementation of its ambitious rehabilitation and development programmes following the floods of 2000. The Maputo delegation consists of a head of delegation; finance/administration delegate; health, water and sanitation, disaster preparedness and logistics coordinators; finance development delegate; and telecommunications delegate (arriving 3 March). In addition, a sub-delegation has been established in Beira consisting of a head of sub-delegation, a construction/logistics delegate; and two field delegates based in Manica and Tete provinces.

In addition, PNS delegations from the American, German, Italian and Spanish Red Cross have each contributed to the Federation's coordinated response with the CVM to the latest floods crisis, and pledged their continued support to the work of the Federation in the activities defined in this appeal.

Present Capacity of the Mozambique Red Cross Society •

The Mozambique Red Cross Society has built considerable capacity through the implementation of the operation in response to last year's devastating floods. The CVM has a network of branches countrywide. Under the current plan of action, the provincial capital of Beira will be the main operational support base for all of the Zambeze relief activities. The CVM and the Federation are therefore rapidly reinforcing their structures in Beira. In Caia, Sofala, the CVM has a strong branch with 150 members and 35 active volunteers, whilst the CVM's provincial branch in Zambezia is one of the strongest in the country.

Budget summary

See Annex 1 for details.

Conclusion

With continual torrential rains, flooding along the Zambeze river basin is becoming more severe, and increasing displacement of populations is taking place. The CVM/Federation intends to come to the aid of those worst-affected by the floods in regions which are accessible only by boat or by air. FACT team members will conduct an assessment, supported by the Mozambique Red Cross Society, following which additional information will be available regarding both the extent of the flood disaster and potential longer-term needs.

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This and other reports on Federation operations are available on the Federation's website: <http://www.ifrc.org>

		ANNEX 1
<u>BUDGET SUMMARY (Preliminary)</u>	APPEAL No. 10/2001	
Mozambique - floods		
TYPE	VALUE	
RELIEF NEEDS	IN CHF	
Tents	766,000	
Tarpaulins	98,000	
Plastic sheeting	384,000	
Other shelter material	167,000	
Blankets	58,000	
Cloth materials	86,000	
Mosquito nets	99,000	
Water & sanitation	474,000	
Medical & first aid	20,000	
Utensils & tools: buckets, cooking sets	426,000	
Hygiene	360,000	
Other relief supplies	20,000	
TOTAL RELIEF NEEDS		2,958,000
<u>CAPITAL EQUIPMENT</u>		
Vehicles	108,000	
Computers	20,000	
Telecom. equipment	49,000	
Generators & lightning	7,000	
Other equipment	130,000	
<u>PROGRAMME SUPPORT</u>		
Programme management	330,104	
Technical support	98,816	
Professional services	109,586	
<u>TRANSPORT STORAGE & VEHICLE COSTS</u>	515,000	
<u>PERSONNEL</u>		
Expatriate staff	175,000	
National staff	230,000	
Training	35,000	
<u>ADMINISTRATIVE & GENERAL SERVICES</u>		
Travel & related expenses	30,000	
Information expenses	25,000	
Administrative & general expenses	75,000	
TOTAL OPERATIONAL NEEDS		1,937,506
TOTAL APPEAL CASH, KIND, SERVICES		4,895,506
LESS AVAILABLE RESOURCES (-)		
NET REQUEST		4,895,506