

FINAL REPORT



International Federation of Red Cross and Red Crescent Societies
Fédération Internationale des Sociétés de la Croix-Rouge et du Croissant-Rouge
Federación Internacional de Sociedades de la Cruz Roja y de la Media Luna Roja
الاتحاد الدولي لجمعيات الصليب الأحمر والهلال الأحمر

FIJI: CYCLONE AMI

28 September 2004

The Federation's mission is to improve the lives of vulnerable people by mobilising the power of humanity. It is the world's largest humanitarian organisation and its millions of volunteers are active in over 181 countries.

In Brief

Appeal No. 03/03; Period covered: January 2003 to August 2003; Final Report; Final appeal coverage: 93.6%. ([click here to go directly to the attached Final Financial Report and Contributions List](#)).

Appeal history:

- Launched on 22 January 2003 for CHF 820,000 (USD 650,120 or EUR 534,319) for 3 months to assist 30,000 beneficiaries.
- The relief operation was extended to complete rehabilitation activities including repairs of community water supplies and school infrastructure. All activities were completed by July 2003.
- Disaster Relief Emergency Funds (DREF) allocated: CHF 80,000 (reimbursed).

Related Emergency or Annual Appeals: [Cyclone Ami Appeal \(03/03\)](#)

All International Federation assistance seeks to adhere to the [Code of Conduct](#) and is committed to the [Humanitarian Charter and Minimum Standards in Disaster Response](#) in delivering assistance to the most vulnerable. For support to or for further information concerning Federation programmes or operations in this or other countries, or for a full description of the national society profile, please access the Federation's website at <http://www.ifrc.org>

For further information specifically related to this operation please contact:

- In Fiji: Ms. Alison Cupit, director general, Fiji Red Cross Society, email: acupitfrcs@connect.com.fj or redcross@connect.com.fj, phone: +67 9 331 4133, fax: +67 9 330 3818
- In Fiji: Mr. Leon Prop, head of regional delegation, Pacific regional delegation, Suva, email: ifrcfj01@ifrc.org, phone +67 9 3311855, fax +67 9 3311406
- In Geneva: Asia Pacific department, Ms. Eun-Hee Cho, Pacific regional officer, email: eunhee.cho@ifrc.org, phone +41 22 7304392, fax +41 22 7330395

For longer-term programmes, please refer to the [Federation's Annual Appeal](#).

Summary

The Fiji Red Cross provided effective emergency relief during the first phase and is widely recognised as a leading humanitarian relief organisation. Less than six months after cyclone Ami struck Fiji, all rehabilitation activities proposed under this operation were completed successfully. A total of 23 rural communities benefited from restored or improved clean drinking water supplies, while students in 16 rural schools were able to resume normal classes. The Fiji Red Cross is now also increasingly seen as an effective and reliable partner for disaster rehabilitation, recovery and development programmes.

The replenishment of essential relief supplies and the further training of staff and volunteers at national and branch levels supported under this operation ensure that the Fiji Red Cross is again well prepared to deal with any future emergencies. Its successful operation following extensive floods that hit the country in early 2004 clearly demonstrated this.

The pre-positioning of disaster relief supplies and the training of local volunteers in basic disaster management provided an effective way of improving disaster response, reducing lead times, minimising the cost of procuring relief goods (or their replenishments after a disaster) and their transport.

However, rapid assessment of damage and needs as well as effective, efficient and appropriate response remain key challenges for all involved in disaster management in the Pacific region, especially in remote and isolated island communities where such disasters may occur. The Red Cross therefore also aims to step up its work with vulnerable communities on disaster risk reduction and mitigation throughout the Pacific.

Coordination

The Fiji Red Cross and the Federation maintained close coordination with all key actors throughout the operation. During the first phase, regular contact with the national disaster management office, local disaster management committees as well as with key regional donors and other partners was maintained.

Some local food donations received by branches in the first days were distributed immediately, but the government then assumed responsibility for food distributions.

Red Cross activities in school repairs were closely coordinated with the Ministry of Education, which undertook an extensive rehabilitation programme using army engineers amongst others. Water and sanitation activities were coordinated with the Ministry of Health and the public works departments, as well as with the Ministry of Education.

Objectives, achievements, impact

The specific objective was to improve the situation of vulnerable people of Vanua Levu and Taveuni affected by tropical cyclone Ami by meeting their most elementary household requirements, restoring/improving access to drinking water in rural areas and repairing partially damaged schools. In addition, the capacity of the Fiji Red Cross to deal with future disasters will be enhanced through the replenishment of pre-positioned stocks, the formation of a core assessment team and the training of branches.

Emergency relief (food and basic non-food items)

Objective: To provide 30,000 people with basic essential non-food items



Figure 1 Disaster containers have been replenished in preparation for any future disasters.

The pre-positioning of disaster relief stock in strategic locations across the country enabled the Fiji Red Cross to carry out very a swift distribution of essential items such as ‘black packs’ and blankets in the first few days after the cyclone. The eighteen white shipping containers each contained so-called ‘black packs’ as well as other essential disaster relief items such as ropes, tarpaulins, gardening and construction tools, water containers, lamps, cooking sets and blankets. Most of these stocks were depleted during the emergency response. During the first few days of cyclone Ami alone, the Fiji Red Cross distributed a total of 1671 ‘black packs’ and other items such as blankets and tarpaulins, as well as in-kind donations received from bilateral donors. The Fiji Red Cross had assisted over 60,000 people within ten days after the disaster.

The depleted stocks were replenished, greatly enhancing the Fiji Red Cross capacity to deal with any new emergencies in future. The following items were procured under this operation:

Table: Items procured for replenishing relief stocks

Item	Description	Unit	Quantity
Black pack (family kit)	See below for details	pack	3000
Blanket	1.5x2.0m, woven, 50% wool	piece	4020
Family tent	16 sqm, double fly with groundsheet	piece	50
Tarpaulin	Woven plastic sheeting 4x60m	roll	100
Dispensary tent	27.5 sqm (5.5x5m)	piece	10

The Fiji Red Cross Society's 'black packs' are an essential and well-received relief item. They contain items of clothing for a whole family, soap and towel, a blanket, mosquito repellent and a basic first aid kit. They are called 'black packs' as the entire contents are wrapped in a large four by six metre sheet of heavy duty plastic, inserted in a heavy duty clear plastic bag and bound with plastic ties. They are slightly smaller than a normal pillow and are soft but resilient allowing them to be dropped, if required, from an aircraft.

The following items were procured for the 'black packs':

Table: Items procured for assembly into 'black packs'

	Item	Description	Unit	Quantity
1	Men's shirts	Large	Piece	3000
2	Ladies' tops	Assorted colours	Piece	1500
3	Girl's clothing (2-5years)	Skirt and top – small	Set	6000
4	Girl's clothing	Skirt and top	Set	3000
5	Boy's clothing (2-5 years)	Shorts and shirt – small	Set	6000
6	Boy's clothing	Shorts and shirt	Set	3000
7	First aid kit	Includes plaster, gauze, bandages	Kit	3000
8	Towel	90x180cm	Piece	6000
9	Lavalava	Wrap around, cotton	Piece	6000
10	Men's shorts	Medium, large	Piece	3000
11	Ladies' skirts	Assorted sizes	Piece	3000
12	Girl's skirt	Size 10-15 years	Piece	3000
13	Boy's shorts	Size 10-15 years	Piece	3000
14	Mosquito repellent	Double rabbit brand coils	Piece	3000
15	Soap	80 grams	Bar	3000
16	Matches	Packet of 12 boxes	Packet	263
17	Camphor	Packet of 64 pieces	Packet	100
18	Plastic sheeting	Black, for wrapping	Sheets	3000

Water and sanitation



Figure 2 Up to 23 affected villages now benefit from a safe water supply.

Objective: To provide 30,000 people with clean potable water for a period of maximum four weeks

The Fiji Red Cross distributed jerry cans and water purification tablets to ensure access to safe drinking water in the most affected areas during the first phase of the operation. It also provided a water purification unit for the supply of water to Labasa hospital. However, the public water supply in Labasa town was restored relatively quickly. In consultation with key donors it was therefore decided to focus water and sanitation activities for the second phase on the repair and rehabilitation of rural water supplies and sanitation infrastructure. Cyclone damage to village water supplies ranged from broken or washed away pipes, damage to tanks and tap stands, to contamination of catchment areas or traditional shallow wells.

The entire project area was surveyed to assess the extent of damage to rural water supply systems. Suitable projects were identified in consultation with the relevant

local authorities. A detailed project design was carried out in close collaboration with local communities who also agreed to provide voluntary labour, which included the digging of trenches, clearing of debris, transport of materials, mixing of concrete, and support during construction.

Basic materials such as metal and plastic pipes, cement as well as tap stands were procured following open tenders and transported to project sites. Selected villagers received on-the-job training in basic repairs and maintenance and all villages were supplied with a standard basic tool kit.

All projects were completed successfully by the end of June 2003.

Table: Clean drinking water projects – rural water supply

	Location	Beneficiaries	Work undertaken in clean water projects
1.	Vatudmu	80	Completed system and built catchments, 5000 litre tank and pipe work.
2.	Doguru	300	Repaired catchments and pipe work, installed ten tap stands.
3.	Matasawalevu	390	Completed system, built catchments, 40,000 litre tank and pipe system, installed 20 tap stands.
4.	Nodogo secondary school	430	Completed new latrines for boys with five flushing toilets, connected urinal and one wash basin to septic tank.
5.	Savusavuitanga	120	Repaired catchments, cement tank and pipe system, installed 15 tap stands.
6.	Nakusa	140	Repaired cement tank.
7.	Urata including Muanivatu school	444	Built one new catchment. Repaired one catchment and pipe system, installed 26 tap stands.
8.	Bucalevu	112	Completed new system catchments, installed one 10,000 litre tank, pipe system (2.38 km of two inch pipes) and 16 tap stands.
9.	Jerusalem Nabaci	380	Built new catchments, repaired pipe system, installed 35 tap stands.
10.	Kasavu	300 plus 100 in school	Built new catchments, relocated pipe system, installed 30 tap stands.
11.	Naweni	235	Repaired pipe work and catchments to tank, relocated pipe to village and suspended it above mangrove and high tide, provided 15 tap stands.
12.	Dromoninuku	250	Repaired catchments, repaired pipe work, installed 17 tap stands.
13.	Korosi	450	Repaired pipe work, installed 10,000 litre tank for night storage and 26 pipe stands.
14.	Wailevu	45	Repaired tank and pipe work to village.
15.	Naveta	55	Repaired catchments, pipe work catchments to village and nine tap stands.
16.	Qalitu district school	200	Replaced/repaired pipe work catchments to school, installed 2,700 litre tank.
17.	Bagata	130	Repaired pipe work in village, installed ten tap stands.
18.	Nadogo primary school	150	Completed new latrine block built with two male flush toilets, urinal, four female flush toilets, two hand washbasins and septic tanks.
19.	Nabiti	350	Built new catchments with 7.0 km of two inch pipes to existing tank, installed 20 tap stands.
20.	Vatukaroa	85	Built new catchments, installed new pipe work, 5,000 litre tank and 14 tap stands.
21.	Yaro village – Kia island	180	Provided submersible pump with generator for existing bore, built 30,000 litre cement tank with new pipe work from tank to village, installed ten tap stands.
22.	Vunilagi school	120	Repaired/replaced pipe work catchments to tank.
23.	Napuka secondary school	220	Repaired/replaced pipe work catchments to tank.

In addition to the projects carried out under this operation, the Fiji Red Cross secured bilateral funding from various donors to install water tanks in primary and secondary schools across the affected region.

Reconstruction and recovery

Objective: To promote the repair and recovery of damaged schools and community infrastructure

High winds caused extensive damage to the physical structure of the education sector in northern and eastern Fiji. According to the Ministry of Education, a total of 107 schools were affected. Damage ranged from small sections of roofing iron being blown away to whole classroom blocks being completely levelled to the ground. Following discussions it was agreed to focus on the repair of schools whose roofs were damaged or blown away entirely. This would allow students to resume classes as soon as possible, and life to get back to normal for parents, teachers and students alike.

A detailed survey was carried out to assess damage, and to identify suitable projects. The Ministry of Education undertook the construction of temporary classrooms with support from the army engineer corps, and initiated planning for subsequent permanent construction of new buildings for severely affected schools. As a result, a close coordination with the Ministry of Education was required to avoid potential overlaps and/or gaps. In order to speed up the process, it was then decided to sub-contract the repair work to local construction firms based on an open tendering procedure. All activities were completed by the end of June 2003.



Figure 3 School roof repairs in Cakadrove district.

Table: Details of school repair works carried out

No	Name of School	District	Details of Repair Work
1.	Napuka junior secondary school	Cakadrove	Repaired roof of two buildings: hall roof plus ceiling panels, workshop roof plus some timber.
2.	Tunuloa Catholic primary school	Cakadrove	Installed new roof and new ceiling panels for one class of a three-classroom block.
3.	Kama district high school at Tuavesi	Cakadrove	Installed new roof, ceiling and front veranda for one class of a four-classroom concrete block.
4.	Vatuvona seventh day Adventists primary school.	Cakadrove	School committee replaced lost roofing iron after six weeks. Replaced water-damaged ceilings with new ceiling panels.
5.	Navonu primary school	Cakadrove	Installed new roofing iron in front side and veranda for a two-classroom block.
6.	Nakobo primary school	Cakadrove	Replaced damaged and rusty roof iron of one classroom. School committee replaced the classroom roof earlier after a large tree fell on it.
7.	Nasinui primary school	Cakadrove	Repaired two buildings: rebuilt 1/3 of roof and veranda of boy's dormitory, repaired two classroom blocks. Installed new roof structure and ceilings.
8.	Saqani junior secondary school	Cakadrove	Installed new roof and cisterns in ablution block, roof and ceilings in science laboratory.
9.	Vanuavou primary school	Cakadrove	Repaired roofing (iron and some timber) at front part of classroom, restored ceilings and veranda.
10.	Vaturova junior high and Vunisalusalu school	Cakadrove	Installed new roofs for three ablution blocks (both schools on same site).
11.	Waiqele secondary school	Macuata	Repaired one side of a large two-storied concrete ten-classroom block with iron, timber and a new veranda. Also installed new ceiling.
12.	Naduri district school	Macuata	Installed new roofing iron to front of one classroom and veranda.
13.	Uliban district school	Macuata	Installed new roofing iron, timber work and ceiling over long veranda and small classroom.
14.	Vunisalusalu	Cakadrove	Completed replacement of male ablution block (four pans and one urinal)
15.	Wainkele	Taveuni	Replaced roof and veranda on two classroom blocks.
16.	Navakawen	Taveuni	Erected two 1000 litre water tanks and gutterings or down pipes.

National Society Capacity Building

The Fiji Red Cross Labasa branch building underwent small office repairs and some basic equipment (computer, fax etc.) installation to facilitate the operation. One vehicle made available to the Savusavu branch further supported the relief operation, and a small high frequency radio network consisting of three base stations and mobile units was installed to facilitate more reliable communication during any future disasters.

Two training workshops carried out at branch level in Labasa and Savusavu respectively captured lessons learnt from the first phase of the operation and provided input for future training and capacity building initiatives. Both branches produced a detailed timeline of the disaster and the local Red Cross response, which served as a basis for analysing strengths and weaknesses.

A follow-up training workshop attended by staff from the headquarters as well as branch staff and volunteers was then organised at the national level. This workshop focused on basic emergency management procedures, including assessment and relief distribution procedures, with review and revision of standard operating procedures of the Fiji Red Cross.

Fiji Red Cross staff and volunteers also engaged in additional training, and follow-up training for branch staff and volunteers now takes place on a regular basis with two further workshops already scheduled.

The programme leader of the operation attended two separate meetings of the Red Cross' emergency management core group for the Pacific. Aimed at strengthening the overall Red Cross emergency response in the region, these meetings provided an excellent opportunity for further learning as well as wider sharing of experiences.

Training is continuing as part of a wider capacity building approach, with a further two additional workshops using separate funding scheduled. A few people have already benefited from more advanced disaster management training both within Fiji and elsewhere. One branch board member attended a regional disaster management training course held by the Federation in Seoul, Korea and subsequently participated in the field assessment and coordination team (FACT) course hosted by the Australian Red Cross in Melbourne in 2004.

Federation Delegation

During the first phase of the operation an information delegate on loan from the New Zealand Red Cross supported the initial information and assessment efforts for one week. The Australian Red Cross also provided a relief delegate to support the Fiji Red Cross in the distribution of in-kind relief items donated bilaterally by the Australian Agency for International Development (AusAID).

For the second recovery phase two delegates, a relief delegate provided by New Zealand Red Cross and two water and sanitation delegates provided by the Australian Red Cross, joined the regional delegation to provide technical support to the ongoing operation.

Advocacy/Public Information

The Fiji Red Cross maintained a high profile throughout the period and was generally seen as the leading humanitarian organisation in providing response to the cyclone. The local media featured it regularly and the Fiji Red Cross further produced its own full colour reports on the first phase. A number of donor visits took place during the operation, which provided good opportunities for further enhancement of awareness and visibility.

Assessment, and lessons learned

The absence of readily available reliable assessment data meant much time was spent on carrying out detailed surveys across a large area with at times difficult access during the first weeks. All data received from other sources – for instance regarding impact on schools and village water supplies - had to be verified, and was often found inaccurate or out of date.

The initial identification and detailed surveying of suitable school repair projects especially took up more time than anticipated. In addition, extensive consultation with the Ministry of Education was required as many schools were

listed as qualifying for rehabilitation under government support. Nevertheless, the project was completed on time by sub-contracting it to several local construction firms that worked concurrently.

A number of items were either not available within Fiji at all (e.g. family tents, dispensary tents), in insufficient quantities (blankets) or were prohibitively expensive (tarpaulins). It was decided to procure these items through the Panama-based regional logistic unit of the Federation and were sourced from suppliers in India and Panama.

Water projects completed by July 2003 subsequently re-visited by the water and sanitation delegate in June 2004 provided a unique opportunity to carry out a basic ex-post survey. In all the villages visited the water supplies were in full operation, and in most cases the local community was assured that there was adequate protection of the water source and maintenance of the system. In two villages further measures were taken to ensure protection of the spring and its water quality, such as increasing the distance from the source where animals were allowed to graze and limiting the cutting of trees in the immediate vicinity.

Special consideration to ensure decisions on whom and where to support was seen as fair, balanced and transparent was necessary given the pronounced ethnic divide within Fiji. Basing itself on the Red Cross Fundamental Principles of humanity and impartiality, the Fiji Red Cross carried out its work effectively and was widely praised for its efforts.

This operation sought to administer to the immediate requirements of the victims of this disaster. Subsequent operations to promote sustainable development or long-term capacity building will require additional support, and these programmes are outlined on the Federation's website.

INTERNATIONAL FEDERATION OF RED CROSS AND RED CRESCENT SOCIETIES

Interim report	
Annual report	
Final report	x

Appeal No. & Title: 03/03 - FIJI CYCLONE AMI
Operation Time Frame: JAN 2003 TO AUG 2003
Project(s): PFJ502
Currency: CHF

CONSOLIDATED RESPONSE TO APPEAL

FUNDING	CASH		KIND & SERVICES		TOTAL INCOME
	Contributions	Comments	Goods/Services	Personnel	
Appeal budget	820,000				
less					
Cash brought forward	0				
TOTAL ASSISTANCE SOUGHT	820,000				
<u>Contributions from Donors:</u>					
New Zealand Red Cross	10,037				10,037
Japanese Red Cross	37,467				37,467
Republic of Korea Red Cross	20,000				20,000
ECHO	615,754				615,754
British Government	22,076				22,076
Monaco Red Cross	11,066				11,066
Australian Red Cross - in kind				22,311	22,311
New Zealand Red Cross - in kind				12,292	12,292
TOTAL	716,401			34,602	751,003

OPENING	0
CASH INCOME Rcv'd	716,401
CASH EXPENDITURE	-716,401
CASH BALANCE	0

Appeal No. & Title: 03/03 - FIJI CYCLONE AMI
Period: JAN 2003 TO AUG 2003
Project(s): PFJ502
Currency: CHF

Description	APPEAL Budget	CASH	KIND & SERVICES		TOTAL Expenditures	Variance
		Expenditures	Goods/Services	Personnel		
<u>SUPPLIES</u>						
Shelter and construction	142,000	146,477			146,477	-4,477
Clothing and textiles						
Food/Seeds						
Water and sanitation	138,000	176,762			176,762	-38,762
Medical and first aid						
Teaching materials	2,000	0			0	2,000
Utensils and tools	292,000	157,840			157,840	134,160
Other relief supplies						
Sub-total	574,000	481,079			481,079	92,921
<u>CAPITAL EXPENSES</u>						
Land and buildings						
Vehicles		30,818			30,818	-30,818
Computer and telecom equipment	9,000	13,071			13,071	-4,071
Medical equipment						
Other capital expenditures	24,000	0			0	24,000
Sub-total	33,000	43,889			43,889	-10,889
<u>TRANSPORT AND STORAGE</u>						
Warehousing/Inspection		479			479	-479
Transport and vehicles	67,000	55,722			55,722	11,278
Sub-total	67,000	56,201			56,201	10,799
<u>PERSONNEL</u>						
Personnel (delegates)	31,000	39,543		34,602	74,145	-43,145
Personnel (NS/local staff)	37,000	30,934			30,934	6,066
Sub-total	68,000	70,478		34,602	105,080	-37,080
<u>WORKSHOPS AND SEMINARS</u>						
External workshops and seminars	8,000	604			604	7,396
Sub-total	8,000	604			604	7,396
<u>GENERAL AND ADMINISTRATION</u>						
Travel and related expenses		1,889			1,889	-1,889
Information	5,000	4,395			4,395	605
Consultants						
General expenses	12,000	5,772			5,772	6,228
Security		216			216	-216
Sub-total	17,000	12,272			12,272	4,728
<u>PROGRAMME SUPPORT</u>	53,000	51,878			51,878	1,122
TOTAL	820,000	716,401		34,602	751,003	68,997

DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
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CASH

REQUESTED IN APPEAL CHF ----->					820,000	TOTAL COVERAGE 93.6%	
BRITISH - GOVT/DFID		10,000	GBP	22,425	20.02.03		
BRITISH - PRIVATE DONOR		280	GBP	601	01.04.03		
ECHO (01001)		420,000	EUR	614,670	10.03.03		
KOREAN, REPUBLIC - RC				20,000	03/02/2003		
JAPANESE - RC		27,600	USD	38,378	22/01/2003		
MONACO - RC		7,500	EUR	11,066	22.01.03		
NEW ZEALAND - RC		10,000	NZD	7,315	23/01/2003	REPLENISHMENT OF RELIEF SUPPLIES	
NEW ZEALAND - RC		3,665	NZD	2,763	15.05.03		
SUB/TOTAL RECEIVED IN CASH				717,218	CHF	87.5%	

KIND AND SERVICES (INCLUDING PERSONNEL)

DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
AUSTRALIAN -RC	DELEGATES			25,800	30.04.03	4 MONTHS
NEW ZEALAND - RC	DELEGATES			24,600	30.04.03	4 MONTHS
SUB/TOTAL RECEIVED IN KIND/SERVICES				50,400	CHF	6.1%

ADDITIONAL TO APPEAL BUDGET

DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
AMERICAN EMBASSY FIJI		49,525	FJD	33,761	23.01.03	BLACK PACKS, WATER
AUSTRALIAN HIGH COMMISSION FIJI		47,584	FJD	32,471	20.01.03	
AUSTRALIAN - RC		11,651	FJD	7,942	30.01.03	
AUSTRALIAN HIGH COMMISSION FIJI		318,940	FJD	217,421	13.02.03	BLACK PACKS
BRITISH HIGH COMMISSION FIJI		20,000	FJD	13,634	20.01.03	
GERMAN EMBASSY FIJI		53,427	FJD	36,421	27.02.03	SCHOOL WATER TANKS
JAPANESE - RC		62,260	USD	86,783	10.03.03	WATER/SANITATION
SUB/TOTAL RECEIVED				428,433	CHF	