

# OPERATIONS UPDATE



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

## **PERU: EARTHQUAKE**

28 December 2001

*This Ops Update is intended for reporting on emergency appeals.*

*Appeal No. 18/2001*

*Preliminary Appeal Launched on 25 June 2001 for CHF 2,009,000 for 2 months. Revised Appeal launched on 24 July 2001 for CHF 4,970,787 for 6 months.*

*Disaster Relief Emergency Fund (DREF) Allocated: CHF 200,000*

*Beneficiaries: 55,000 for 7 months*

*Operations Update No. 9 Period covered: 1 November - 5 December 2001*

*Next Ops Update No. 10 expected January 2002*

### "At a Glance"

*Appeal coverage: 92.3%*

*Related Appeals: 01.30/2001; South America regional programmes*

*Outstanding needs: CHF 382,362*

*The Disaster/Situation: During the last two weeks, 65 of the total 205 planned housing units in Quilahuani, Cairani, Yarabamba and Calacala in the province of Tacna have been constructed. Implementation of the rehabilitation phase of the operation is on-going and the timeframe of the operation has been extended until 31 January 2002. On 4 December another tremor measuring 5.2 on the Richter scale hit mountainous areas of Arequipa department. The Peruvian Red Cross branches of Arequipa, Castilla and Camana provided relief assistance for 345 of those worst affected. Following the compilation of risk maps, the Peruvian Red Cross is working to persuade communities to construct housing units away from areas of high risk.*

### **Operational Developments**

On 4 December, a further earthquake, measuring 5.2 on the Richter Scale according to the Geophysical Institute of Peru (IGP), hit Arequipa department affecting mountainous areas in Condesuyos and La Unión provinces. Two people died and 19 were injured. The Peruvian Red Cross coordinated relief actions with the Institute for Civil Defense (INDECI), to assist 345 people in Chuquibamba and Cotahuasi. The Red Cross branches of Arequipa, Castilla and Camana, which took part in the relief operation at the time of the 23 June earthquake, sent 22 volunteers, one medical/relief brigade and one truck containing 350 blankets, clothes, 1,500 kilos of

food, 70 hygiene kits, 70 jerry cans, 3,000 water purification tablets, 15 tents and 15 kitchen kits. The Federation team, German Red Cross and Spanish Red Cross delegates supported the Peruvian Red Cross relief brigades with basic supplies, human resources and technical advice.

The Peruvian Red Cross is working to persuade beneficiaries to agree to construct their new housing units away from risk areas, following the publication of risk maps by several universities, such as the National University San Agustin (UNSA) of Arequipa and the National University Jorge Basadre (UNJB) of Tacna; these recommended urgent relocation of villages such as Catas, in Tambo Valley, and Camana annexes, where Red Cross brigades, involving five technical coordinators and 75 volunteers, had carried out activities in community capacity building focused on disaster preparedness.

While the implementation of the construction programme linked to June’s earthquake is moving forward in Tacna and Moquegua, where significant numbers of vulnerable families affected by the earthquake are owners of lands in safe areas, rehabilitation work has been delayed in several annexes of Camana and Mollendo, sometimes as a result of difficulties faced by the poorest families to buy safe land, and sometimes since the communities refuse to leave their villages, even though they acknowledge the high risk of potential tremors.

The status of rehabilitation components under phase three of the operation is as follows as of 30 November (projects underway are in grey):

Province	Place	Wat/san	Shelter	IGP	PPD	ID	Families
Arequipa	PRC Branch		1		x	x	
	L. Milagros	-	-	115	x	x	115
	AB-Totorani	10	11	-	x	x	21
	L. Arenales	41	-	-	x	x	82
	S. J. Osuña	3	8	-	x	x	8
	Candelaria	15	15	-	x	x	60
	Arequipa C.	3	3	-	x	x	3
Mollendo	Quelgua	192	26		x	x	192
	Catas	71	-	-	x	x	71
	Papablanca	350	33	-	x	x	350
	H. S. Maria	2	2	-	x	x	2
Camana	PRC branch		1		x	x	
	S. Pastor	120	120	-	x	x	120
	Quilca	-	-	120	x	x	120
	Pucchun	-	-	581	x	x	581
	Camana C.	12	12	-	x	x	12
Moquegua	PRC Branch		1		x	x	
	Ilo	35	28	-	x	x	35
	Ilo Valley	-	-	108	x	x	108
	Rinconada	69	69	-	x	x	69
	Mqgua-Omo	55	71	-	x	x	71
Tacna	PRC Branch		1		x	x	
	Cairani	-	81	-	x	x	81
	Quilahuani	124	124	-	x	x	124
	Ilabaya	-	-	-	x	x	250
	Tacna city	-	-	-	x	x	
<b>TOTAL</b>	<b>Beneficiaries</b>						<b>13'000</b>

IGP: income generating programme; PPD: disaster preparedness programme; ID: institutional development

### ***Red Cross / Red Crescent action***

Six Red Cross provincial branches are involved in the implementation of the five components of the rehabilitation phase: construction, water and sanitation, income generation, community capacity building and institutional development. The presidents of the branches together with the Federation technical coordinators are managing the plan of action in their provinces, monitored by the joint Peruvian Red Cross/Federation regional team.

The Camaná branch has completed income-generating activities: both 493 owners and 88 vulnerable leasees of rice lands have received seeds and fertilizers and 120 fishermen affected by the tsunami have received new fishing utensils. An engineer and a biologist from the Fund for Fishing Development (FONDEPES) facilitated several workshops regarding shrimp cultivation and the sustainability of traditional fishing as part of community capacity building. In this way, a strategic alliance with FONDEPES was initiated and an agreement has been signed.

Tacna, Moquegua and Ilo branches are focal points in the construction programme, as the communities of Quilahuani, Cairani, Calacala, Ancocala and Ilo participated in the implementation of this component. During the last two weeks, 65 of the total 205 planned housing units in Quilahuani, Cairani, Yarabamba and Calacala have been constructed.

Arequipa and Mollendo branches have prioritized the training component in recent weeks, prior to implementation of the construction and water and sanitation programmes. Members of Red Cross brigades who took part in workshops organized by engineering experts regarding the reinforcement of traditional adobe construction, are disseminating these techniques in the beneficiary communities.

*The German Red Cross* supported the Peruvian Red Cross relief operation in Condesuyos and La Unión on 4 December with one UNIMOG truck, which took part in distributions to 68 families affected by the earthquake. The team also delivered 12 tents, 5 water tanks of a capacity of 20 litres and 5 kitchen sets.

*The Spanish Red Cross* also took part in relief assistance in Condesuyos. The field office in Caraveli sent one delegate, two volunteers and one vehicle with an HF radio to support the telecommunication needs, while a truck delivered 80 mattresses for those most affected.

### ***Shelter and Construction w***

#### **Activity 1:**

To build 630 housing units for the most affected families in Arequipa, Moquegua and Tacna.

The joint Peruvian Red Cross/Federation teams, together with the communities, installed 65 housing units of 27 square metres with a metal structure, super-board walls and calamine roof for vulnerable families in the department of Tacna. More than 300 36 square-metre concrete foundations built by the beneficiaries with their own resources have been completed in 9 beneficiary communities. The Peruvian Red Cross headquarters and the provincial branches, supported by the Federation field team, are negotiating the donation of land with the government and the provincial municipalities to install housing units for the most vulnerable families in Camaná and Mollendo.

#### **Activity 2:**

To build four housing units to reinforce the Red Cross branch infrastructure.

The installation of three housing units of 27 square metres has been completed in the departments of Moquegua, Tacna and Arequipa, and one more unit is planned to be installed in the department of Camaná to reinforce the capacity of departmental branches.

### ***Water and sanitation w***

#### **Activity 1:**

Installation of a drinking water system in three affected communities.

The community of Catas, affected by a high level of nitrates in the wells as a consequence of large-scale use of fertilizers in neighbouring lands, will receive drinking water after an agreement between the community, Mollendo Red Cross branch and CEDAPAR (public/private water supplier). A water and sanitation brigade, consisting of six volunteers, supported by the Federation water and sanitation delegate, will provide the affected families with 71 water tanks of 600 litres in the coming days; the tanks will be filled weekly by CEDAPAR.

#### **Activity 2:**

Installation of 214 latrines in 17 affected communities.

The beneficiary population of 6 communities has completed the septic holes for installation of latrines.

#### **Activity 3:**

To conduct water and sanitation workshops in 14 affected communities.

The Federation disaster preparedness delegate and the water and sanitation delegate facilitated two workshops for 40 members of brigades who have started dissemination work in the area of water and sanitation in 5 communities.

### ***Income generation w***

#### **Activity 1:**

To set up a rotating fund for 581 owners and leasees of lands affected by the tsunami in Camaná.

#### **Activity 2:**

To set up a rotating fund for 120 fishermen affected by the tsunami in Camaná.

701 vulnerable families affected by the earthquake and the tsunami have started income generating activities on the coast-line of Camaná and in the agricultural areas of Pucchún and Quilca. Under the project, 120 fishermen have received 99 fishing nets, hooks and 21 pieces of diving equipment as part of a rotating fund. At the same time, 581 owners and leasees of rice lands who have received seeds and fertilizers, will provide support following the harvesting of the first crops.

#### **Activity 3:**

To provide support to rebuild 115 family brick ovens affected by the earthquake.

40 owners of family brick ovens will receive at least one tonne of clay to rebuild the ovens.

#### **Activity 4:**

To provide support to 108 farmers affected by the earthquake in Ilo Valley.

It is planned that 17 of the most vulnerable families will receive tools, such as hoes and small carts, for work on the land.

### ***Disaster Preparednes/Community Capacity Building w***

#### **Activity 1:**

To develop disaster preparedness workshops, risk maps, emergency plans and community relief brigades in 14 affected communities.

The materials prepared by the Federation disaster preparedness delegate and the Peruvian Red Cross coordinator for the southern zone have been used in the course of four community disaster preparedness workshops. The water and sanitation delegate is collecting risk maps drawn up after the earthquake by universities to complete the technical assessments and provide the communities with appropriate information.

### ***Logistics w***

The regional logistics officer, based at the Arequipa field office, supported the relief operation organized by the Peruvian Red Cross on 4 December to assist 345 people affected by a further earthquake in Condesuyos and La Unión, leading the evaluation team which assessed emergency needs. The logistics officer is a member of the local staff who are taking on additional responsibilities and have been in charge of negotiations with suppliers and coordination with provincial branches for transportation of the housing units from Lima to the communities.

### ***Telecommunications w***

Ericsson has agreed to extend the free use of 13 mobile phones until the end of the rehabilitation phase. A kit of satellite phones has been returned to Global Star, loaned during the relief phase for field activities in certain remote areas, such as Quilahuani, Cairani and Ilo valley.

### ***National Society Capacity Building***

The 75 members of Red Cross brigades working in the field in Arequipa, Mollendo, Camaná, Moquegua and Tacna attended three workshops promoting traditional adobe construction, disaster preparedness and strengths, weaknesses, opportunities and threats (SWOT) analysis, facilitated by the disaster preparedness and water and sanitation delegates together with experts in construction from public institutions. Brigade members have begun disseminating these courses in the communities, while taking part in reassessments and monitoring field visits with the technical coordinators.

On 1 - 2 December, nine presidents of Red Cross branches in Southern Peru and the five technical coordinators involved in the third phase of the operation took part in a logical framework workshop in Arequipa, identifying sustainable projects which could be promoted through Peruvian Red Cross presence in the communities following conclusion of the rehabilitation projects.

After this workshop, the Federation delegation's programme coordinator and the president of the Peruvian Red Cross discussed the forthcoming stages of the third phase of the operation with the presidents of Arequipa, Moquegua, Ilo, Tacna, Mollendo and Camaná branches, in order to involve all concerned in the decision-making at field level. Presidents of other Red Cross branches in Southern Peru participated in the meeting, explaining the lessons learnt in the provincial committees following the relief phase and during rehabilitation activities.

### ***Federation Delegation***

The Peru office consists of a programme coordinator, a field coordinator (also in charge of information and reporting), a finance and administration delegate, a water and sanitation delegate and a disaster preparedness delegate who joined the team in early November. The regional team is complemented by a regional technical coordinator from the Peruvian Red Cross. Four locally recruited staff provide administrative support (one in Lima, three in Arequipa). Five local technical coordinators, five local coordinators' assistants and one logistics officer make up the team.

### ***Coordination***

The field coordinators and Federation delegates organized a regional meeting with the technical coordinators and assistants to discuss common working strategies and schedules. A weekly meeting between the southern region

coordinator and Peruvian Red Cross/Federation coordinators takes place in Arequipa to ensure implementation of the five components of the rehabilitation phase until the end of the year.

Federation delegates attended meetings with institutions including the National University of San Agustin (UNSA), governmental and non governmental organizations, such as the Civil Defense (INDECI), German Cooperation GTZ, the United Nations Development Programme (UNDP), OXFAM-Labor, Caritas and Proyección, to exchange information and report on current activities and actions planned.

An agreement with CARE/PERU was signed. In case of necessity, CARE/PERU will lend its warehouses and will deal with customs issues. The Federation and the Peruvian Red Cross will support and advise CARE/PERU in the development of disaster response systems.

An agreement with CETAR (Peruvian governmental construction agency) was signed. CETAR will provide cement and advice for the construction of 38 36-square-metre cement foundations in the area of Arequipa.

***For further details please contact: Luis Luna, Phone : 41 22 730 4274; Fax: 41 22 733 03 95; email: luna@ifrc.org***

***All International Federation Operations seek to adhere to the Code of Conduct and are committed to the Humanitarian Charter and Minimum Standards in Disaster Response (SPHERE Project) in delivering assistance to the most vulnerable.***

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

***For further information concerning Federation operations in this or other countries, please access the Federation website at <http://www.ifrc.org>.***

Peter Rees-Gildea  
Head a.i.  
Relationship Management Department

Santiago Gil  
Head  
Americas Department

<b>Peru - earthquake</b>						ANNEX 1
<b>APPEAL No. 18/2001</b>		<b>PLEDGES RECEIVED</b>			28.12.2001	
DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
<b>CASH</b>						
REQUESTED IN APPEAL CHF ----->				<b>4'970'787</b>		<b>TOTAL COVERAGE 92.3%</b>
CASH CARRIED FORWARD						
ANDORRA, PRINC. - RC				9'038	07.09.2001	
AUSTRALIAN - RC		1'140	AUD	1'023	13.08.2001	
AUSTRALIAN - RC		47'500	AUD	41'715	30.08.2001	
BRITISH - GOVT/DFID		232'000	GBP	575'174	27.06.2001	
CANADIAN - GOVT/CIDA		207'900	CAD	242'037	27.06.2001	
CANADIAN - RC		50'000	CAD	58'210	28.06.2001	
CHINA - HONG-KONG - RC		12'380	HKD	2'656	12.09.2001	
CHINA - TAIWAN - RC		2'246	USD	3'648	16.11.2001	
DANISH - RC		92'500	DKK	18'916	27.06.2001	
ECHO (01004)		300'000	EUR	459'570	27.06.2001	
FINNISH - RC		67'275	EUR	103'059	26.06.2001	
HELLENIC - RC				22'010	14.08.2001	
ICELANDIC - RC		200'000	ISK	3'125	24.07.2001	
IRANIAN - RC		10'000	USD	17'750	22.07.2001	
IRISH - GOVT		250'000	IEP	484'275	10.07.2001	
ITALIAN - GOVT				418'000	11.07.2001	
JAPANESE - RC				66'297	02.07.2001	
JAPANESE - RC				97'739	31.05.2001	
KOREA, REPUBLIC - RC				20'000	27.06.2001	
LIECHTENSTEIN - GOVT				50'000	26.06.2001	
LIECHTENSTEIN - PRIVATE				10'000	21.08.2001	
LIECHTENSTEIN - RC				112'270	19.11.2001	
MONACO - RC		80'000	FRF	18'608	29.05.2001	
NEW ZEALAND - RC		25'000	NZD	17'912	27.06.2001	
NEW ZEALAND - GOVT		150'000	NZD	110'610	27.06.2001	
NORWEGIAN - GOVT/RC		2'777'778	NOK	531'400	28.06.2001	
NORWEGIAN - RC		28'619	NOK	5'280	11.12.2001	
PRIVATES ON LINE				3'067	14.08.2001	
PRIVATE ON LINE				1'853	17.10.2001	
SPANISH - RC		12'012	EUR	18'156	02.08.2001	
SWEDISH - GOVT/RC		1'200'000	SEK	198'600	27.06.2001	
SWISS - RC				55'500	07.11.2001	
SWISS - PRIVATE				40	27.06.2001	
SWISS - PRIVATE				5'000	11.07.2001	
SWISS - PRIVATE				5'000	17.07.2001	
TURKISH - RC				10'000	25.06.2001	
UNITED ARAB EMIRATES		5'000	USD	8'875	06.08.2001	
<b>SUB/TOTAL RECEIVED IN CASH</b>				<b>3'806'413</b>	<b>CHF</b>	<b>76.6%</b>

<b>KIND AND SERVICES (INCLUDING PERSONNEL)</b>						
DONOR	CATEGORY	QUANTITY	UNIT	VALUE CHF	DATE	COMMENT
AMERICAN - RC		422 333	USD	747 318	26.06.2001	250 ROLLS PLSTIC SHEETING, 5'100 BLANKETS, 757 TENTS, TRANSPORTATION, BILATERAL
BRITISH - GOVT/DFID	Delegate(s)	13'000	GBP	32'230	27.06.2001	
SPAIN	Delegate(s)			2 464		
<b>SUB/TOTAL RECEIVED IN KIND/SERVICES</b>				782'012	CHF	15.7%