

DREF final report

Democratic People's Republic of Korea: Floods

DREF operation n° MDRKP006
GLIDE n° FL-2013-000081-PRK
31 January 2014

The International Federation of Red Cross and Red Crescent (IFRC) Disaster Relief Emergency Fund (DREF) is a source of un-earmarked money created by the Federation in 1985 to ensure that immediate financial support is available for Red Cross Red Crescent response to emergencies. The DREF is a vital part of the International Federation's disaster response system and increases the ability of National Societies to respond to disasters.

Period covered: 31 July to 31 October 2013.

Summary: CHF 299,744 was allocated from the IFRC's Disaster Relief Emergency Fund (DREF) on 31 July, 2013 to support the Democratic People's Republic of Korea (DPRK) Red Cross Society in delivering immediate assistance to 5,000 families (20,000 beneficiaries).

DPRK RCS, with the support from IFRC, has carried out the flood response and relief operation in North Hwanghae, South Pyongan and North Pyongan provinces which were severely affected by the flash floods in July 2013. The DPRK RCS immediately

distributed 4,851 family disaster relief items including tarpaulins, quilts, cooking sets, jerry cans, water purification tablets, 381 shelter kits and

1,733 family hygiene kits to the flood victims. Approximately 120,000 litres of clean drinking water were produced by the DPRK RCS's water purification plants which were delivered to 11,000 people per day in Anju city, South Pyongan province and Taechon county, North Pyongan province. Over 3,385 Red Cross volunteers were mobilized for evacuation, rescue, first aid, distribution of emergency relief items to the affected people and for hygiene promotion among community people in close cooperation and coordination with the local authority and other public organizations. The relief phase of the flood response activities was completed in the week of August 2013.

The IFRC, on behalf of the DPRK RCS, would like to thank the generous contributions towards the replenishment of the DREF: CHF 163,000 from DG ECHO, CHF 9,400 from Japanese Red Cross, CHF 100,000 from Korean Red Cross and CHF 27,900 from the Canadian Red Cross/government .



DPRK Red Cross volunteers distribute family relief kits to the flood-affected in Unsan county, North Pyongan province. Photo: DPRK RCS

The situation

Three months after the relief operation, the affected people who had partially lost their houses have moved back to their dwellings and have resumed their normal lives. Some of the affected people whose houses have been completely destroyed have been provided with new houses constructed by the government as part of the recovery operations. Immediate needs such as food, water and daily consumables were provided by the government.

Red Cross and Red Crescent action

When the flood season started, all NDRT (national disaster response team) and PDRT (provincial disaster response team) members from DPRK RCS were on standby to prepare for potential floods. The DPRK RCS activated its operation room in early July 2013 and was in close contact with the national flood damage response committee, which is the national-level coordination body for disaster relief operations in DPRK. The trained Red Cross staff and volunteers in the flood-prone areas were also on alert.

During the flood response, over 3,385 Red Cross community volunteers were mobilized for evacuation, search and rescue, first aid, distribution of relief items to flood-affected people and hygiene promotion

among community people to prevent communicable diseases in close collaboration with the local authorities and other public organizations.



ECHO representative monitoring the kitchen sets that have been replenished from DREF Photo: DPRK RCS

National and provincial disaster response teams (NDRT and PDRTs) were immediately deployed to the affected areas to assess and gather information about the flood damages in close coordination with the community disaster management committee (CDMC) and Red Cross volunteers. The dispatched NDRT and PDRT members conducted rapid assessments on damage and needs in Anju of South Pyongan and Unsan of North Pyongan. Based on the assessment reports, 4,851 family relief items were released from the regional warehouses to support the affected families.

The IFRC provided up-to-date information on the situation to other international organizations on a regular basis by attending regular meetings including cluster meetings, while the DPRK RCS was closely coordinating and communicating with the relevant ministries.

The DREF funds have been used for replenishing the emergency relief items which includes tarpaulins, cooking sets, water purification tablets and family hygiene kits as disaster preparedness stock to be stored in the regional disaster preparedness warehouses. *(Please refer to table 2 for more information.)*

Achievements against outcomes

The needs for the flood-affected people in North Pyongan, South Pyongan and North Hwanghae provinces were identified through field assessments conducted by NDRT and PDRT members with Red Cross volunteers and confirmed through coordination meetings with the government.

Relief distributions

Outcome: To provide 5,000 affected families (approximately 20,000 people) with essential non-food items to meet the immediate needs in 3 provinces: North Pyongan, South Pyongan and North Hwanghae.

Expected results:

5,000 flood-affected and displaced families (20,000 people) have received non-food assistance.

Activities carried out:

- Identifying and registering affected and displaced families based on the agreed criteria.
- Distribution of relief items from existing stocks to identified beneficiaries.
- Continuous monitoring over relief activities and providing timely reports.
- Conduct follow up of assessments on the impact of the flood and adjust response strategies after the emergency phase, if needed.

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| - Replenishment of stocks (tarpaulins, kitchen sets, hygiene kits and water purification tablets) as per IFRC procurement requirements. |
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Results and Impact:

- A total of 19,553 flood affected people (4,851 families) have received emergency relief items according to their needs and selection criteria, and tarpaulins, quilts, cooking sets, hygiene kits, water purification tablets and shelter kits were distributed by the DPRK RCS in North Pyongan, South Pyongan and North Hwanghae provinces. These included the most vulnerable people: children, aged people, pregnant and lactating women. The support has been focused on the immediate need of these targeted beneficiaries in a timely manner, contributing to alleviating their sufferings and saving lives in the critical period during the floods. The relief items have been replenished through the DREF and pre-positioned at the regional disaster preparedness warehouses for future disaster.
- Beneficiaries had been identified with a selection and registration process. The process was facilitated by mobilizing trained 3,385 Red Cross volunteers to the flood-affected areas.
- The quality and transparency of relief operation had been ensured through regular monitoring, evaluation and reporting systems carried out by NDRT and PDRT members and Red Cross volunteers of DPRK RCS.
- The emergency response capacity of the DPRK RCS was demonstrated not only by the timely assessment, planning, and well-functioned network to ensure implementation of the relief delivery; it was also demonstrated by contributing to the set-up of early warning systems in the affected area, by further updating the National Society's contingency plan in close cooperation with the national flood damage response committee.

Table 1: Distribution of relief items to flood-affected people listed in the table below

Response Area		Beneficiary		Quantity of NFI							
Province	City/ County	No. of Family	No. of Population	Family tents	Tarpaulins	kitchen sets	Quilts	Hygiene kits	Jerry cans	WPT	Shelter kits
North Hwanghae	Thosan	90	365		160	90	365		90	21,900	
	Sub-total	90	365	0	160	90	365	0	90	21900	
South Pyongan	Anju	2,600	10,530	10	2,600	2,600	10,530	100	200	631,800	
	Sub-total	2,600	10,530	10	2,600	2,600	10,530	100	200	631,800	
North Pyongan	Ryongchon	197	792	2	50	197	792	197	197	47,520	10
	Pakchon	150	600	1	50	150	600	150	150	36,000	10
	Thaechon	568	2,272	2	568	568	2,272	568	568	136,320	113
	Unsan	766	3,064	2	766	766	3,064	300	766	183,840	153
	Kujang	268	1,075	2	268	268	1,075	268	268	64,500	53
	Nyongbyon	212	855	2	212	212	855	150	212	51,300	42
	Sub-total	2,161	8,658	11	1,914	2,161	8,658	1,633	2,161	519,480	381
Total		4,851	19,553	21	4,674	4,851	19,553	1,733	2,451	1,173,180	381

- Kitchen set contents: Rice-cooking pot, soup-cooking pot, rice-bowl, soup-bowl, plates, cups, table spoons, chopsticks, soup ladle, knife, bucket and scouring pad, designed for a family of five.
- Hygiene kit contents: Bathing soap, laundry soap, sanitary pads, hand towel, mirror, toilet paper, toothpaste, toothbrush, razor and comb, designed for a family of five.
- Shelter kit contents: Rope, handsaw, cutting pliers, shovel, nail, tie-wire, claw hammer.

Table 2: Disaster preparedness stock replenished through DREF support

Relief item	Unit	DP stock procured from DREF
Tarpaulin	Piece	8,700
Kitchen set	Set	5,000
Hygiene kit	Kit	2,000
water purification tablets	Tablet	714, 000

Challenges and lessons learned:

To capitalize the learning in the operation, a lessons-learned workshop was conducted in Tokchon county in South Pyongan province from 22-23 October 2013. Red Cross staff, volunteers and community leaders from the eight flood-affected communities in South Pyongan and North Pyongan provinces of the DPRK who were involved in the floods operation participated in the workshop. Challenges and gaps were identified and recommendations were made on how to further improve the future relief operations.

Effectiveness

Immediate assessment in the rural and remote communities had been difficult mainly due to damaged roads, bridges and power cuts caused by flood and landslides. Most of the affected houses were scattered along the river. The damaged roads and bridges have been reconstructed by the government as part of the government recovery plan. The houses close to the embankments have been relocated by the government to safe places. The DPRK RCS had initiated the process of developing the flood contingency plan in six flood prone provinces. The contingency plan will be developed and tested through simulation exercises.

Capacity building on relief assessment needs to be further enhance. Some of the information on scales of damage provided by newly recruited Red Cross volunteers were either underestimated or overestimated. They were not familiar on how to assess the level of damage and had a lack of specific assessment skills for the relief operation. To address this issue, the need for regular/refresher relief trainings for Red Cross volunteers was highlighted.

Timeliness

The time taken for transporting relief items to the affected communities took much longer than estimated: While this is mainly due to the bad road condition, this factor should be highlighted in future operations. Moreover the disaster preparedness stock in some of the warehouses were not sufficient to address the needs of the affected people and hence it had to be transported from other regional disaster preparedness warehouses which took additional time for the relief items to arrive at distribution points. While the flexibility and availability of stocks outside the affected area could be mobilized is a positive aspect which allowed targeted beneficiaries to receive the items they needed, however, in hindsight the stock level of each of these warehouses could be reviewed and enhanced to make sure timely delivery of such support to the beneficiaries.

Preparedness

One of the recommendations from the workshop was to **further strengthen the early warning and evacuation system** at the community level by mobilizing Red Cross volunteers more quickly and effectively for dissemination of early warning messages which proved to be very effective in one of the pilot communities where EWS was established. Moreover, response trainings to the Red Cross volunteers and Provincial Disaster Response Team (PDRT) members prior to monsoon period also proved to be effective during the operations.

Accountability

A two-day field monitoring visit was conducted by the regional food assistance advisor from ECHO Bangkok office from 12 to 13 November 2013 as part of the DREF contribution. During the visit two of the worst-affected communities in Unsan and Kujan counties in North Pyongan province and a disaster preparedness warehouse in Pyongyang were visited. Feedback and recommendations were also provided by the RFA advisor based on his observation from the field visit during his debriefing at the DPRK RCS headquarters. Three key recommendations outlined by him were: to further improve (i) the Monitoring and evaluation- there are still weakness which needs to be further addressed; (ii)selection criteria needs to be further clarified/elaborated and (iii)to incorporate the gender and age elements. The DPRK RCS had incorporated these feedback by developing the monitoring and evaluation tools (questionnaires and the survey sheets). It had also updated its selection criteria which will be used for beneficiary selection during the relief operation.

Consideration of gender and age was done on a certain level like including some women's items in the family kit.

Water, sanitation, and hygiene promotion

Outcome: Risk of waterborne and hygiene related disease is immediately reduced in Anju City, South Pyongan Province and Taechon County, North Pyongan Province.

Expected results:

Flood-affected people i.e. 5,000 families (approximately 20,000 people) have access to safe drinking water and HP, hygiene kits, jerry cans and water purification tablets.

Activities carried out: Provision of clean drinking water through the operation of mobile water treatment units at the first stage of disaster relief operation.

- Provision of water purification tablets, hygiene kits and jerry cans;
- Education and monitoring of usage of water purification tablets;
- Conduct hygiene promotion activities in flood affected areas by mobilizing trained Red Cross volunteers.
- Continuous monitoring over emergency watsan response activities and providing timely reports.

Results and Impact:

During the three-month response, there were no report of increased levels of water-borne and hygiene-related diseases in affected areas supported by DPRK RCS. The National Society reached the following beneficiaries:

- around 11,000 affected people received safe drinking water from two SETA water treatment units operated in Anju city, South Pyongan province from 21 July to 6 August 2013. In addition, one SETA unit was in operation in Taechon County, North Pyongan province from 21-26 July, providing 5,000 affected people with safe drinking water. The units were operational for as long as 15 to 20 hours per day and produced an average of 120,000 litres of safe water daily.
- 19,553 flood-affected people (4,851 families) were provided with the following items according to identified needs and selection criteria: 1,173,180 water purification tablets, 2,451 jerry cans and 1,733 hygiene kits. Beneficiaries were trained on how to use water purification tablets. Hygiene promotion sessions and messages encouraging proper personal hygiene and maintaining sanitary environment were widely disseminated along with the distribution of hygiene kits.
- Red Cross staff and volunteers regularly provided updates on water and sanitation situation through continued monitoring, and conduct of hygiene promotion activities focusing on proper use of WPTs (water purification tablets) and safe household water storage and treatment in the affected areas.



People collecting safe water from the RC water treatment units in Taechon County, North Pyongan Province.
Photo: DPRK RCS

Challenges and lessons learned:

- Printed hygiene promotion materials were not sufficient in comparison with the beneficiaries needs. To compensate for the lack of materials, volunteers conducted hygiene promotion verbally.
- There was lack of appropriate personal kits and portable tools to be used by staff and volunteers of water treatment response team in times of emergency.
- Consumables for SETA mobile water treatment units, spare parts, tools and taps, are required to be replaced after the relief operation. Moving forward, a list of specific items could be prepared in advance so that these items can be included in the DREF and procured within the timeframe.
- The SETA units had down-time due to mechanical failures several times. This did not affect the performance of the overall operation, but presents a technical challenge. In particular it was found challenging to move the SETA units as the foundation is not sufficiently strong for transport on difficult roads.

Contact information

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DREF history:

- This DREF was initially allocated on 31 July, 2013 for CHF 299,744 for three months to assist 20,000 beneficiaries.
- Two DREF operation updates issued.



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How we work

All IFRC assistance seeks to adhere to the [Code of Conduct for the International Red Cross and Red Crescent Movement and Non-Governmental Organizations \(NGOs\) in Disaster Relief](#) and the [Humanitarian Charter and Minimum Standards in Disaster Response \(Sphere\)](#) in delivering assistance to the most vulnerable.

The IFRC's vision is to inspire, encourage, facilitate and promote at all times all forms of humanitarian activities by National Societies, with a view to preventing and alleviating human suffering, and thereby contributing to the maintenance and promotion of human dignity and peace in the world.



The IFRC's work is guided by [Strategy 2020](#) which puts forward three strategic aims:

1. Save lives, protect livelihoods, and strengthen recovery from disaster and crises.
 2. Enable healthy and safe living.
 3. Promote social inclusion and a culture of non-violence and peace.
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Disaster Response Financial Report

MDRKP006 - DPR Korea - Floods

Timeframe: 31 Jul 13 to 31 Oct 13

Appeal Launch Date: 31 Jul 13

Final Report

Selected Parameters

Reporting Timeframe	2013/7-2013/12	Programme	MDRKP006
Budget Timeframe	2013/7-2013/10	Budget	APPROVED
Split by funding source	Y	Project	*

All figures are in Swiss Francs (CHF)

I. Funding

	Raise humanitarian standards	Grow RC/RC services for vulnerable people	Strengthen RC/RC contribution to development	Heighten influence and support for RC/RC work	Joint working and accountability	TOTAL	Deferred Income
A. Budget		299,744				299,744	
B. Opening Balance		0				0	
Income							
<u>Other Income</u>							
DREF Allocations		299,744				299,744	
C4. Other Income		299,744				299,744	
C. Total Income = SUM(C1..C4)		299,744				299,744	
D. Total Funding = B + C		299,744				299,744	

* Funding source data based on information provided by the donor

II. Movement of Funds

	Raise humanitarian standards	Grow RC/RC services for vulnerable people	Strengthen RC/RC contribution to development	Heighten influence and support for RC/RC work	Joint working and accountability	TOTAL	Deferred Income
B. Opening Balance		0				0	
C. Income		299,744				299,744	
E. Expenditure		-279,865				-279,865	
F. Closing Balance = (B + C + E)		19,879				19,879	

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Budget Timeframe	2013/7-2013/10	Budget	APPROVED
Split by funding source	Y	Project	*

All figures are in Swiss Francs (CHF)

III. Expenditure

Account Groups	Budget	Expenditure					TOTAL	Variance
		Raise humanitarian standards	Grow RC/RC services for vulnerable people	Strengthen RC/RC contribution to development	Heighten influence and support for RC/RC work	Joint working and accountability		
	A						B	A - B
BUDGET (C)			299,744				299,744	
Relief items, Construction, Supplies								
Shelter - Relief	117,450		108,455				108,455	8,995
Water, Sanitation & Hygiene	37,900		25,888				25,888	12,012
Utensils & Tools	95,000		86,350				86,350	8,650
Other Supplies & Services			8,277				8,277	-8,277
Total Relief items, Construction, Sup	250,350		228,969				228,969	21,381
Logistics, Transport & Storage								
Storage			890				890	-890
Distribution & Monitoring	13,000		12,529				12,529	471
Transport & Vehicles Costs			3,567				3,567	-3,567
Logistics Services	8,000		7,567				7,567	433
Total Logistics, Transport & Storage	21,000		24,553				24,553	-3,553
Personnel								
National Staff	900		452				452	448
National Society Staff	1,500		2,529				2,529	-1,029
Volunteers	3,000		1,624				1,624	1,376
Total Personnel	5,400		4,605				4,605	795
Workshops & Training								
Workshops & Training	3,500		3,249				3,249	251
Total Workshops & Training	3,500		3,249				3,249	251
General Expenditure								
Information & Public Relations			217				217	-217
Communications	1,200		1,228				1,228	-28
Financial Charges			-35				-35	35
Total General Expenditure	1,200		1,409				1,409	-209
Indirect Costs								
Programme & Services Support Recove	18,294		17,081				17,081	1,213
Total Indirect Costs	18,294		17,081				17,081	1,213
TOTAL EXPENDITURE (D)	299,744		279,865				279,865	19,879
VARIANCE (C - D)			19,879				19,879	

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Budget Timeframe	2013/7-2013/10	Budget	APPROVED
Split by funding source	Y	Project	*

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IV. Breakdown by subsector

Business Line / Sub-sector	Budget	Opening Balance	Income	Funding	Expenditure	Closing Balance	Deferred Income
BL2 - Grow RC/RC services for vulnerable people							
Disaster response	299,744	0	299,744	299,744	279,865	19,879	
Subtotal BL2	299,744	0	299,744	299,744	279,865	19,879	
GRAND TOTAL	299,744	0	299,744	299,744	279,865	19,879	