

# DREF operation final report



International Federation  
of Red Cross and Red Crescent Societies

## Democratic People's Republic of Korea: Floods

DREF operation n° MDRKP 002  
Final report  
GLIDE n° [FL-2010-000153-PRK](#)  
23 June 2011

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.

**Summary:** CHF 378,714 was allocated from the IFRC's Disaster Relief Emergency Fund (DREF) on 27 August 2010 to support the Democratic People's Republic of Korea (DPRK) Red Cross in delivering immediate assistance to some 16,000 beneficiaries and to replenish 2,500 family disaster preparedness stocks.

DPRK Red Cross, with the support from IFRC, responded to the floods in Sinuiju city, north Phyongan province, which was severely affected by flash floods on 21 August 2010. The DPRK Red Cross Society immediately distributed relief items from its disaster preparedness stocks to 2,500 affected families. Items included tarpaulins, blankets, cooking sets, jerry cans, water purification tablets and 1,500 family hygiene kits. Approximately

6.71 million litres of drinking water was distributed by the Red Cross water treatment plants to evacuees, health institutions and public service facilities in the flood affected area. It was the first deployment by DPRK Red Cross of the water treatment unit in response to a disaster, since the equipment was donated from the Spanish and Swedish Red Cross and personnel trained in 2009 and 2010. Over 350 Red Cross volunteers were mobilized for evacuation, rescue, first aid, distribution of emergency relief items and hygiene promotion among communities, in close cooperation and coordination with local authorities and other public organizations. With the support of DREF, disaster preparedness items for 2,500 families released for the floods response were replenished in the Sinuiju regional disaster preparedness warehouse.

The operation is complete and this narrative is final in terms of activities carried out. A total of CHF 70,659 of unspent funds was returned to DREF at the end of this operation.



In the aftermath of the floods, affected families lived temporarily in tents provided by DPRK Red Cross. Photo: DPRK Red Cross

The European Commission's Humanitarian Aid and Civil Protection department (DG ECHO) as well as Netherlands Red Cross/ Netherlands government made contributions towards the replenishment of the DREF for the allocation made to this operation.

The major donors to the DREF are the Canadian Red Cross/ Canadian government, Danish Red Cross/ Danish government, Icelandic Red Cross/ Icelandic government, Japanese Red Cross, Netherlands Red Cross/ Netherlands government, Norwegian Red Cross/ Norwegian government, Swedish Red Cross/ Swedish government, as well as the Australian, Monaco and South African governments as well as DG ECHO. Details of all donors can be found [here](#).

IFRC, on behalf of DPRK Red Cross, would like to thank all partners for their generous contribution to this operation and DREF in general.

<click [here](#) for final financial report, or [here](#) for contact information>

## The situation

Rivers in northeast China were inundated by downpours between 19 and 20 August, causing severe flooding and damage to Sinuiju city, a border town with China, in the northwestern area of the Democratic People's Republic of Korea (DPRK). From the Aihe river in China, an estimated 5,300 cubic metres of water flooded into the Amnok river per second and water levels began to rise suddenly from midnight on 21 August. The Amnok river reached its highest water level since 1995, when the country was affected by its worst flooding in decades. The flash floods submerged Sangdan, Hadan and Taji-ris in Sinuiju city and Soho, Ojok and Maksa islands in Uiju city.

According to official government information, 7,139 dwelling houses were totally or partially destroyed, and over 7,200 hectares of farmland were affected by flash floods. The main water pumping station, including the treatment plant, was completely inundated and some parts of the main water supply pipe (900mm) were washed away, resulting in the disruption of water supply to 350,000 citizens of Sinuiju city.

According to local authorities, a total of 23,651 people from severely flooded area were displaced and moved to safer locations. In Sinuiju city alone, 16,640 people were displaced and lived in 11 school buildings temporarily.

The government, together with local donations, provided the displaced communities with emergency food, clothes, bedclothes and cooking equipment. Hospital doctors and nurses visited camps and evacuees staying in schools twice a day to provide on-the-spot treatment and to give medical advice to patients. Most of the destroyed buildings and infrastructure like clinics, kindergartens and nurseries were re-built or rehabilitated within 40 days by the government.

## Coordination and partnerships

The DPRK Red Cross national disaster response team (NDRT) coordinated its actions with the national flood damage response committee, an *ad hoc* government coordination body. The National Society also shares and advises the national disaster coordination committee (NDCC) on all programme and emergency response activities undertaken with IFRC's DPRK country office.

On 23 August, all in-country non-governmental organizations, through the Inter-Agency Contingency Planning Working Group (IACPWG), met to discuss and propose a plan of action to address the flooding in northwest DPRK, for sharing with the DPRK government. On 26 and 27 August, the government organized a combined UN mission field visit by train to Sinuiju, where an assessment was undertaken, covering the affected population. Coordination have been continued between all international and government organizations.

## Red Cross Red Crescent action

In view of the flooding season, all provincial Red Cross branches were alerted from July to prepare for possible floods in the rainy season, preparing the emergency liaison volunteer network for early warnings, evacuation routes as well as evacuation simulations in disaster-prone areas.

In close contact with the national flood damage response committee, DPRK Red Cross activated its emergency preparedness and response task force and operated the pre-warning systems at all Red Cross branch levels. The trained Red Cross staff and volunteers located in flood-prone areas were on alert to be ready for the possible flooding and landslides.

When flooding occurred in Sinuiju city and Uiju county, over 350 Red Cross volunteers were mobilized for evacuation, research, rescue, first aid, distribution of relief items to flood victims and hygiene promotion among community people to prevent communicable disease in close cooperation and coordination with local authorities and other public organizations.

Upon receiving an emergency call on flood situation from the Sinuiju Red Cross branch on the morning of 21 August, DPRK Red Cross immediately dispatched the field assessment team headed by the executive vice-president to the flood affected area on the same day and released relief items for 2,500 families from the Sinuiju disaster preparedness regional warehouse on 23 August to support the affected communities.

On 15-17 May 2011, the operations coordinator from IFRC's Asia Pacific zone joined DPRK Red Cross and the IFRC DPRK country office to visit Sinuiju city to assess the timeliness, appropriateness and effectiveness of flood relief activities supported by IFRC and review lessons learnt in future operation under the discussion with Sinuiju city Red Cross branch and volunteers. The timeliness of the operation is much appreciated by the affected communities, whereas some support to the local Red Cross on how to communicate the selection criteria on beneficiaries with local counterparts would also benefit future operations.

## Achievements against outcomes

The needs for supporting the flood-affected people in Sinuiju city were verified through field assessments conducted by Red Cross staff and volunteers and confirmed through coordination meetings with the government.

Relief distributions (food and basic non-food items)
<p><b>Outcome: To provide 2,500 most affected and displaced families(11,750 people) in Sinuiju city and Uiju county with essential relief items to meet their immediate needs.</b></p>
<p><b>Outputs (expected results)</b> 2,500 most affected and displaced families(11,750 people) affected by the flooding receive non-food assistance.</p>
<p><b>Activities planned:</b></p> <ul style="list-style-type: none"> <li>• Identify and register most affected and displaced families based on agreed criteria</li> <li>• Distribute non-food items from existing stocks to identified beneficiaries</li> <li>• Continuously monitor relief activities and provide reporting on relief distributions</li> <li>• Conduct an ongoing assessment of the impact of the flood and review support strategies</li> <li>• Conduct an impact evaluation</li> <li>• Replenishment of stocks based on approved budgets and IFRC procurement requirement</li> </ul>

DPRK Red Cross reached up to 2,500 displaced families (11,750 people) with 11,750 blankets, 2,500 cooking sets, 2,500 plastic sheets, 2,500 jerry cans and 1.2 million water purification tablets from the Sinuiju disaster preparedness regional warehouse. Taking into account the bad hygiene condition in flood affected areas, DPRK Red Cross also distributed 1,500 family hygiene kits and an additional 500,000 water purification tablets to affected families in Sinuiju city.

With the support of IFRC, emergency relief items like quilts, tarpaulins, cooking sets, jerry cans and family hygiene kits for 2,500 families were procured and replenished in the Sinuiju regional disaster preparedness warehouse in the following months.

A workshop to review the operation was conducted in May 2011, and general feedback from community leaders indicated that the timeliness of the operation was much appreciated by the affected communities. Further feedback indicated that support to the local Red Cross on how to communicate the selection criteria on beneficiaries with local counterparts would also benefit future operations.

**Challenges:** During the period of July to September 2010, many areas in DPRK were hit severely by floods, landslides and storms. DPRK Red Cross, together with IFRC, released over 6,124 family emergency relief items to over 6,000 families (28,683 people) from its seven regional disaster preparedness warehouses. With the support of IFRC's DREF allocation, DPRK Red Cross replenished emergency relief items for 2,500

families. Unfortunately, as the National Society did not revise the DREF budget in early 2011, an opportunity was lost to replenish more emergency relief items through this DREF. An estimated 4,000 family emergency relief items like quilts, tarpaulins, cooking sets, jerry cans, water purification tablets and hygiene kits will still have to be replenished in future.

### **Water, sanitation and hygiene promotion**

<p><b>Outcome:</b> provide safe water to over 16,000 displaced people for more than one month</p>
<p><b>Outputs (expected results)</b> Provide safe water to over 16,000 affected people for more than one month</p>
<p><b>Activities planned:</b></p> <ul style="list-style-type: none"> <li>• Assess the existing coverage with a view of ensuring availability of an adequate water supply</li> <li>• Provide safe drinking water through the operation and render hygiene promotion</li> <li>• Conduct an ongoing assessment of the impact of the water and sanitation operation</li> <li>• Conduct an impact evaluation</li> </ul>

Assessments reported that the main water supply and treatment area were fully submerged and some parts of the water distribution pipeline were washed away. In response, DPRK Red Cross rapidly transported two mobile water treatment units to Sinuiju city and started to produce drinking water from the morning of 23 August. In total, 6.71 million litres of safe drinking water was delivered to schools where displaced people were staying, health institutions, public service facilities and flood affected communities, for approximately one month. Estimated total number of families reached through the delivery of safe drinking water is 28,000 families. The two mobile water treatment units were in operation for approximately six weeks until the water supply system to Sinuiju city was rehabilitated in mid-October. It was the first deployment of the water treatment units in response to a disaster since the equipment was handed over by the Spanish and Swedish Red Cross societies and training conducted in 2009 and 2010. Lessons learnt from the deployment will be incorporated into future trainings and response preparedness.

The hygiene promotion activities were carried out among displaced people and community people by mobilizing the trained Red Cross volunteers in close cooperation with local authority. In addition, the procurement of replacement parts and consumables for the mobile treatment units are underway. The items procured will help strengthen the National Society's preparedness and response to future disasters.

## 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 \(NGO's\) 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.

## Contact information

For further information specifically related to this operation please contact:

### DPRK Red Cross Society:

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[< final financial report below; click here to return to the title page >](#)

Selected Parameters	
Reporting Timeframe	2010/8-2011/5
Budget Timeframe	2010/8-2011/2
Appeal	MDRKP002
Budget	APPEAL

All figures are in Swiss Francs (CHF)

## I. Consolidated Funding

	Disaster Management	Health and Social Services	National Society Development	Principles and Values	Coordination	TOTAL
<b>A. Budget</b>	<b>378,714</b>					<b>378,714</b>
<b>B. Opening Balance</b>	<b>0</b>					<b>0</b>
<b>Income</b>						
<u>Other Income</u>						
<i>DREF Allocations</i>	378,714					378,714
<b>C4. Other Income</b>	<b>378,714</b>					<b>378,714</b>
<b>C. Total Income = SUM(C1..C4)</b>	<b>378,714</b>					<b>378,714</b>
<b>D. Total Funding = B + C</b>	<b>378,714</b>					<b>378,714</b>
<b>Appeal Coverage</b>	<b>100%</b>					<b>100%</b>

## II. Movement of Funds

	Disaster Management	Health and Social Services	National Society Development	Principles and Values	Coordination	TOTAL
<b>B. Opening Balance</b>	<b>0</b>					<b>0</b>
<b>C. Income</b>	<b>378,714</b>					<b>378,714</b>
<b>E. Expenditure</b>	<b>-308,055</b>					<b>-308,055</b>
<b>F. Closing Balance = (B + C + E)</b>	<b>70,659</b>					<b>70,659</b>

International Federation of Red Cross and Red Crescent Societies

MDRKP002 - Dem Rep Korea - Floods

Appeal Launch Date: 27 aug 10

Appeal Timeframe: 27 aug 10 to 28 feb 11

Final

Selected Parameters	
Reporting Timeframe	2010/8-2011/5
Budget Timeframe	2010/8-2011/2
Appeal	MDRKP002
Budget	APPEAL

All figures are in Swiss Francs (CHF)

### III. Consolidated Expenditure vs. Budget

Account Groups	Budget	Expenditure					TOTAL	Variance
		Disaster Management	Health and Social Services	National Society Development	Principles and Values	Coordination		
A							B	A - B
<b>BUDGET (C)</b>	<b>378,714</b>						<b>378,714</b>	
<b>Relief items, Construction, Supplies</b>								
Shelter - Relief	32,321	29,192				29,192	3,129	
Clothing & textiles	132,000	122,060				122,060	9,940	
Water, Sanitation & Hygiene	44,653	34,162				34,162	10,491	
Utensils & Tools	55,240	65,151				65,151	-9,911	
Other Supplies & Services	476	553				553	-78	
<b>Total Relief items, Construction, Su</b>	<b>264,690</b>	<b>251,120</b>				<b>251,120</b>	<b>13,570</b>	
<b>Logistics, Transport &amp; Storage</b>								
Distribution & Monitoring	68,600	10,863				10,863	57,737	
Transport & Vehicle Costs	3,304	282				282	3,022	
Logistics Services		7,606				7,606	-7,606	
<b>Total Logistics, Transport &amp; Storage</b>	<b>71,904</b>	<b>18,751</b>				<b>18,751</b>	<b>53,153</b>	
<b>Personnel</b>								
National Staff	5,045	1,931				1,931	3,114	
National Society Staff	8,999	3,321				3,321	5,678	
<b>Total Personnel</b>	<b>14,045</b>	<b>5,252</b>				<b>5,252</b>	<b>8,792</b>	
<b>Workshops &amp; Training</b>								
Workshops & Training	4,768						4,768	
<b>Total Workshops &amp; Training</b>	<b>4,768</b>						<b>4,768</b>	
<b>General Expenditure</b>								
Communications	185	185				185	0	
Financial Charges	9	13,945				13,945	-13,936	
<b>Total General Expenditure</b>	<b>194</b>	<b>14,130</b>				<b>14,130</b>	<b>-13,936</b>	
<b>Indirect Costs</b>								
Programme & Service Support	23,114	18,801				18,801	4,313	
<b>Total Indirect Costs</b>	<b>23,114</b>	<b>18,801</b>				<b>18,801</b>	<b>4,313</b>	
<b>TOTAL EXPENDITURE (D)</b>	<b>378,714</b>	<b>308,055</b>				<b>308,055</b>	<b>70,659</b>	
<b>VARIANCE (C - D)</b>		<b>70,659</b>				<b>70,659</b>		