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Emergency Plan of Action (EpoA) Nicaragua: Floods

 International Federation
of Red Cross and Red Crescent Societies

DREF Operation MDRNI007 DREF update no.1	Glide n°: TC-2017-000148-NIC
Date of issue: 14 October de 2017	Date of disaster: 4 October de 2017
Operation start date: 5 October 2017	Expected timeframe: 3 months
Overall budget: 162,543 Swiss francs (including first allocation of 55,079 Swiss francs for preparedness)	
Number of people affected: 39,200 people (7,840 families)	Number of people to be assisted: 2,160 people (432 families)
Host National Society: The Nicaraguan Red Cross (NRC) 22 staff members, 100 volunteers from headquarters and Rivas departmental branches that are active in the operation and 34 branches.	
Red Cross and Red Crescent Movement partners actively involved in the operation: The International Federation of Red Cross and Red Crescent Societies (IFRC). The Partner National Societies (PNS) present in the country include the Spanish Red Cross, Italian Red Cross, the Canadian Red Cross Society and American Red Cross; they are all part of the active emergency operations centre (EOC). The International Committee of the Red Cross (ICRC) has an office at country level.	
Other partner organizations involved in the operation Civil Defence; National System of Prevention, Mitigation and Disaster Response (SINAPRED for its acronym in Spanish); Departmental Committee of Prevention, Mitigation and Disaster Response (CODEPRED for its acronym in Spanish); Municipal Committee of Prevention, Mitigation and Disaster Response (COMUPRED for its acronym in Spanish).	

A Disaster Relief Emergency Fund (DREF) operation was launched on 5 October 2017 to support the Nicaraguan Red Cross preparedness actions, such as pre-positioning NRC staff and volunteers, for the arrival of Tropical Storm Nate. This DREF update reflects the results of the assessment and the National Society's response activities after the passage of Tropical Storm Nate. Therefore, the emergency plan of action outlines the scale up of the response and includes the provision health and care, water, sanitation and hygiene promotion and shelter (including non-food items) with an overall budget of 162,543 Swiss francs and an operational timeframe of three months.

A. Situation Analysis

Description of the disaster

On 4 October 2017, SINAPRED declared a yellow alert for all the country due to the potential impact of Tropical Storm Nate (Tropical Depression 16 at that time). It was forecasted to affect the Caribbean Coast 5 October 2017, with rains and intense winds. No major damages were reported in the Caribbean communities. However, rainfall affected other regions in the country since the weather system described as an intertropical convergence zone, was very disorganized producing heavy precipitation in almost all the departments in Nicaragua.

On 7 October, SINAPRED reported that the following 16 departments were affected by floods and heavy winds: Rivas, Chontales, Madriz, Boaco, Rio San Juan, Nueva Segovia, Estelí, Carazo, Managua, Masaya, Granada, Chinandega, León, Matagalpa, Jinotega and the Autonomous regions of the North Caribbean Coast and the South Caribbean Coast. A total of 87 municipalities were affected, with 7,840 families affected (270 families in collective centres), 5,900 affected homes (211 damaged, 32 destroyed and 27 at risk of collapsing) and 15 people were reported dead¹.

¹ [Report from SINAPRED, 7 October 2017.](#)

The storm brought heavy rain, which caused flooding mainly in the North Caribbean Coast and the central departments of Rivas, Jinotepe, León, Chinandega, Matagalpa and Juigalpa; moreover, the storm arrived after two weeks of continuous rainfall, which had already saturated the soils and flooded lower grounds, thus producing landslides.

Approximately 120km of bridges, highways, roads and sewer systems were affected in the departments of Madriz, Estelí, Nueva Segovia, Leon, Chinandega, Masaya, Carazo, Rivas, Boaco, Chontales, Matagalpa and Jinotega, as reported by the Ministry of Transport and Infrastructure.

Thousands of people are without running water, but the repairs of water pipes and aqueducts have started. The National Electric Company has 96 teams working on re-establishing electrical power nationwide and repairing wells in Carazo, Masaya, Granada and Rivas.



Government authorities have distributed essential relief items. Photo: [SINAPRED](#).

Summary of current response

After the declaration of the yellow alert, the NRC activated its emergency operation centre, and prepared its staff at the national and branch levels. It also activated its monitoring and information commission to track situation reports on the Pacific Region departments of Rivas, Carazo, León and Chinandega and in the central regions of Matagalpa and Juigalpa.

An initial DREF allocation was requested to deploy volunteers to carry out damage and needs assessments, and initial relief distributions (Kitchen sets, blankets, long-lasting insecticide treated mosquito nets, jerry cans, transitional roof materials) for 200 families. Three NRC staff members supported the branch in Puerto Cabezas in the North Caribbean Coast region's response efforts, and they met with the region's Prevention and Disaster Response Committee (COREPRED) to coordinate response actions.

Twenty volunteers from the branch in Rivas, supported by a member from the headquarters, carried out damage and needs assessments in the communities of Ochomogo and Gil González (Rivas department). The National Society evacuated people from flooded homes and provided immediate assistance to the most affected. A water and sanitation team has been deployed, and it is conducting rapid assessments in health, water and sanitation, including chemical analysis of water sources and wells; it is estimated that 432 families are affected, and 87 wells are flooded and contaminated in Rivas. Volunteers have provided psychosocial support and are carrying out a survey of families that are being sheltered in Lilly Pedroza School (Ochomogo community, Belén municipality, Rivas department).

The NRC's communication and press department provides recommendations and key messages to affected people through the communicators network. In addition, the NRC's emergency operations centre is receiving daily status reports from the local branches, and the logistics department has opened collection centres in the headquarters and branches to receive donated items for the affected families.

The NRC's emergency operations centre continues to coordinate with several branches through a strategy and structure defined by the National Council, which is in line with the NRC's national response, contingency, and standard operating procedure (SOP) Plans.

Overview of Red Cross Red Crescent Movement in the country

A structure has been defined and adopted by the Nicaraguan Red Cross' National Council for the operation of the EOCs and the overall intervention. The National Society has a National Response Plan, contingency plans and SOPs. The National Society has been trained in different specialties based on the role it plays in the EOC. In terms of equipment, the National Society has the basic equipment and logistical capacity needed to mount a first response in any emergency. There are currently 34 active branches, with approximately 2,000 volunteers nationwide, including relief and, youth volunteers, among other specialties.

The Partner National Societies present in the country include the Spanish Red Cross, Italian Red Cross, the Canadian Red Cross Society and American Red Cross, with which the National Executive Committee and EOC team is in coordination. In addition, the NRC, through the American Red Cross support, is implementing a community preparedness programme in the country. The Partner National Societies are supporting the Nicaraguan Red Cross in

their response activities with vehicles and staff.

The International Committee of the Red Cross's (ICRC) delegation in Nicaragua, coordinates with the NRC actions in response to conflict, riots or other violence-related events in Nicaragua.

The IFRC's Country Cluster Support Team for Central America and Pan American Disaster Response Unit (PADRU) are in close communication with the Nicaraguan Red Cross. Lastly, a dashboard to monitor and track Tropical Storm Nate was developed.

Overview of non-RCRC actors in country

According to Nicaraguan Law No. 337, the SINAPRED's executive secretary must coordinate disaster response efforts. SINAPRED consists of clusters of government representatives and Red Cross personnel in areas such as water, special operations, environment and health, among others. The Nicaraguan Red Cross is an active member at the national, departmental, municipal and local levels (CODEPRED, COMUPRED and COLOPRED) of this system. Lastly, World Vision has offered technical and financial assistance to the Red Cross operation.

Needs analysis, beneficiary selection, risk assessment and scenario planning

On 7 October, SINAPRED reported as affected by the floods and winds the following 16 departments: Rivas, Chontales, Madriz, Boaco, Rio San Juan, Nueva Segovia, Estelí, Carazo, Managua, Masaya, Granada, Chinandega, León, Matagalpa, Jinotega and the Autonomous regions of the North Caribbean Coast and the South Caribbean Coast. A total of 87 municipalities were impacted, with 7,840 families affected (270 families in collective centres), 5,900 affected homes (211 damaged, 32 destroyed and 27 at risk of collapsing) and 15 people were reported dead².

The NRC conducted damage and needs assessments in the department of Rivas (In the communities of Ochomogo, Gil González and La Esperanza). The communities were affected by floods, with water reaching up to 50 centimetres damaging their homes, contaminating water wells and destroying latrines.

Health and water, sanitation and hygiene

Sanitation has been affected since latrines overflowed contaminating the water wells. There are people with respiratory and skin diseases, such as the elderly and children exposed to degrading hygiene conditions.

Livelihoods

In this region, the majority of the people work in an Industrial Park and/or sugar company, therefore their main livelihood was not affected.

Electricity and water supply

Electricity supply has been restored and roads are in good condition, nevertheless 100 water wells have been contaminated.

These communities need to rehabilitate and clean 179 water wells and need immediate provision of potable water through an external water source as water treatments plants and use of water filters. Therefore, this plan of action will mainly focus on:

- Cleaning of water sources and wells and provide water, sanitation and hygiene promotion activities.
- Hygiene items for families
- Psychosocial support intervention to facilitate mourning and help the people in the collective centres cope with their losses.
- Communication campaign for promoting protection measures and self-care, and the dissemination of key messages on hygiene promotion, protection norms and behaviour during floods for the affected families.

Intervention is required as there is lack of proper water and sanitation. Health promotion is insufficient. The storm has impacted the living conditions, as well as the environment of the targeted people. This plan will aim to assist 432 families in the department of Rivas with

Risk Assessments

The region has been affected by rainfall and floods throughout the rainy season. Additional rainfall and floods are expected as the hurricane season has not ended. Basic infrastructure has already been deteriorated by the storm and

² [Report from SINAPRED, 7 October 2017.](#)

floods and there are initial signs of water borne diseases. It is important to promote coordination with authorities to decide courses of action to implement in the different operational contexts.

B. Operational strategy and plan

Overall objective

The operation aims to support 432 families (2,160 people) affected by the tropical storm in the communities of Ochomogo and Gil Gonzáles (Belén municipality, department of Rivas) in the Pacific region with essential non-food items, water, sanitation, hygiene promotion and, psychosocial support. All members of these communities will be reached, including people living with disabilities and senior citizens.

Proposed strategy

Prior to the effects of Tropical Storm Nate, the National Society requested a DREF for preparedness activities which included:

- The pre-positioning of non-food items (NFI) in Managua for 200 families. (200 kitchen kits, 400 tarpaulins, 600 jerry cans, 600 mosquito nets and 600 blankets). This has been distributed by the Nicaraguan Red Cross and will be replenished.
- The mobilization costs of a team of volunteers, to carry out damage assessments from the headquarters and branches.

After the passing of the Tropical Storm and completed rapid assessments, the National Society revised the Emergency Plan of action to include the support to the affected families in the department of Rivas with the following:

- Health and Care (psychosocial support)
- Water, sanitation and hygiene promotion
- Shelter (non-food items)

In addition, donated goods received at NRC reception centres (food and non-food items) will distributed to the most affected families.

Health and Care

Psychosocial activities are aimed at 432 families in the communities of Gil Gonzáles and Ochomogo, Rivas department. The Rivas branch and the headquarters will receive psychosocial support kits. Psychosocial support will also be provided to the volunteers involved in the response operation.

Water, sanitation and hygiene promotion

432 families in the communities of Gil Gonzáles and Ochomogo (Rivas department) will receive a jerry can, and a hygiene kit made with donations at headquarters and other collection points. Seven water treatment plants (owned by the National Society) will be set-up to distribute potable water along with water filters to the 432 families. Maintenance and supplies costs are included in this plan. The National Society will offer talks on healthy habits and hygiene for home, community and shelter.

Shelter (non-food items)

The Nicaraguan Red Cross will distribute essential non-food items such as kitchen sets, tarpaulins, blankets, mosquito nets and blankets to families living in temporary shelters and those which have returned to their own houses, but require supplementary items due to damage in their houses. The following relief items will be replenished: 600 blankets, 600 jerry cans, 600 mosquito nets, 200 kitchen sets and 400 tarpaulins.

In this plan of action, **community engagement and accountability** activities have been integrated in these sectors of intervention which include key messages on flood protection, hygiene promotion, psychosocial support self-care information to the affected population.

The operation is including protection and security costs of volunteers involved in the operation. Protection equipment and visibility material will be provided to 100 volunteers taking part of emergency relief activities.

Operational support services

Human resources

Prior to the emergency, the NRC mobilized more than 500 volunteers and staff members to support evacuations, rapid assessments and disaster management. The volunteers were deployed from the Rivas and Managua branches. This operation is covering the costs of mobilization and meals for volunteers.

Due to the specific DREF operational needs, and in order to ensure efficient management of the operation, an Operations Coordinator needs to be recruited. In addition, a technical assistant and a finance assistant are required to ensure timely reporting to the IFRC and partners. 100 volunteers supporting the implementation of the operation will be covered by insurance and will receive transportation costs support, visibility material and personal protection equipment.

The Nicaraguan Red Cross has equipment and personnel capable of addressing the initial stage of the Plan of Action. For the second phase of the DREF operation, the National Society needs support in covering the mobilization costs of volunteers in the affected areas including the salaries of the operations coordinator, technical and a finance assistants for three months. Management Coordinator and the Head of Country Cluster for Central America will provide technical support and guidance. Other units at IFRC are supporting also the operation.

Logistics and supply chain

The Nicaraguan Red Cross has a logistics commission in charge of goods and services with the procedures established by the National Society. The local market allows alternatives in terms of suppliers. Nicaragua also has emergency stock from the Regional Logistics Unit of the IFRC to respond to regional emergency needs, including: kitchen sets, tarpaulins, jerry cans, blankets and mosquito nets. The Nicaraguan Red Cross has two strategic warehouses in Managua, trucks, 4x4 vehicles, water trucks and ambulances nationwide.

Information technologies (IT)

The Nicaraguan Red Cross has mobile devices for the use of Mega V and ODK, during the process of evaluation, identification, and selection of beneficiaries and the beginning of the distribution of humanitarian aid. The National Society has computer equipment, telephone equipment and internet service in its headquarters and in the incumbent local branches. This DREF operation will cover mobile phone costs to ensure that staff and volunteers involved in the operation maintain ongoing communication.

Communications

The Nicaraguan Red Cross has a Communication and Press department, which is in charge of operational technical information, public information, information for donors and institutional information. The department will keep the population informed periodically using its own means of communication, social networks, Nicaraguan Red Cross website and the media channels that facilitates dissemination of each of the actions. To view videos from the NRC response efforts for this emergency, see: <https://www.facebook.com/200823376627607/videos/1573375962705668/> .

The IFRC's communication team is in permanent contact with the communication team of the Nicaraguan Red Cross and will be providing information on the impact of the emergency on the affected populations and the humanitarian support received from the Cross Red. These stories will be posted on the IFRC website: <http://www.ifrc.org/>

Security

The National Relief Direction will develop a Security Plan considering current situation and input from branches, key stakeholders and authorities in charge of local security. All operations will be carried out during daylight time and security clearance agreed in coordination with local authorities and community leaders. All personnel are properly identified, carries visibility items and has insurance.


Planning, Monitoring, Evaluation and Reporting (PMER)


The Nicaraguan Red Cross' National Planning Direction and the Communication Office are responsible for monitoring implementation of the Plan of Action, ensuring a report one month after the beginning of the operation and the final report. The IFRC's Regional Coordinator of Disaster Management for Central America will provide support throughout the operation. A beneficiary satisfaction survey is planned to be carried out among target families to improve current and future interventions.

Administration and Finance

The Nicaraguan Red Cross has a Finance and Accountability System that oversees the proper management of finance resources following conditions set in agreements between the National Society and donors. Finance resource management follows National Society protocols and DREF guidance, procedures of the National Society and IFRC are in place for efficient management.


C. DETAILED OPERATION PLAN

	Health People targeted: 2,160 people Requirements (CHF): 8,320
Needs analysis: <ul style="list-style-type: none"> • Psychosocial support of the affected population due to stress, mourning, loss of homes and personal belongings • Children, the elderly and handicapped affected by emotional distress • Psychosocial support to volunteers involved in the response • Psychosocial support kits for volunteers 	
Population to be assisted: To support 432 vulnerable families (2160 people) with psychosocial support in the department of Rivas (communities of Gil Gonzales and Ochomogo).	
Health Outcome 1: Contribute to the protection and recovery of physical and mental wellbeing in the affected communities in the department of Rivas.	
Output 1.1 Psychosocial support is provided to 432 families and volunteers.	
Weeks	1 2 3 4 5 6 7 8 9 10 11 12
Beneficiary selection	■
Provision of psychosocial support sessions to families in the communities, schools and collective centres	■ ■ ■
Procurement of 3 emergency psychosocial kits	■ ■
Provision of psychosocial support workshops to volunteers in NRC branches and headquarters	■ ■

	Water, sanitation and hygiene People targeted: 2,160 people Requirements (CHF): 88,299
Needs assessment: <ul style="list-style-type: none"> • Water sources and wells in affected homes are contaminated • Reports of water-borne diseases, mainly diarrhoea. 	
Population to be assisted: 432 families in the department of Rivas (communities of Gil Gonzales and Ochomogo)	
Outcome 2: Immediate reduction in risk of waterborne and water related diseases in targeted communities.	
Output 2.1: Access to safe water is provided to the affected population	
Weeks	1 2 3 4 5 6 7 8 9 10 11 12
Identification and target of water wells and water sources	■ ■
Installation of water treatment plants	■ ■ ■ ■ ■ ■ ■ ■

Chemical analysis of water													
Production and distribution of safe water to targeted families													
Procurement and distribution of 432 home water filters													
Sensitization talks on how to optimize potable water in homes													
Engage community on the design and acceptability of water and sanitation facilities													
Output: 2.2 Hygiene-related goods (NFIs) which meet Sphere standards are provided to targeted families.													
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	
Beneficiary identification													
Distribution of 600 jerry cans to affected families (two per family)													
Output 2.3: Improved access to and use of adequate sanitation by the target population.													
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	
Beneficiary identification													
Repair 75 latrines in affected homes and/or collective centres													
Sensitization of adequate use and maintenance of latrines													
Fumigation/ spraying of homes and collective centres to prevent vector-borne diseases among the most vulnerable population													
Cleaning and disinfecting 179 water wells													
Procurement of 2 cleaning and disinfecting water well kits.													
Procurement of thermos nebulizers and pumps for fumigation													
Training for volunteers on the use of the equipment													

Output: 2.4 Training on how to use hygiene-related goods is provided to the target population													
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	
Talk sessions in the collective centres on solid waste management and disinfection.													
Talk session on hygiene promotion (using PHAST methodology)													

	<p>Shelter People targeted: 200 families (1,000 people) Requirements (CHF): 15,079</p>
<p>Needs assessment: Support will be provided to the affected families living temporarily in collective centres and who are self-sheltered with essential non-food items.</p>	

People to be assisted: 200 vulnerable families in the department of Rivas (Gil Gonzales and Ochomogo)												
Outcome 3: The immediate shelter and household needs of the people in collective centres and self-sheltered are met.												
Output 3.1 Essential Household Items (non-food items) are provided to the target population.												
Months/weeks	1	2	3	4	5	6	7	8	9	10	11	12
Distribution of 200 kitchen sets (one per family)												
Distribution of 600 blankets (two per family)												
Distribution of 600 mosquito nets (three per family)												
Distribution of 400 tarpaulins (two per family)												

Quality Programming / Areas Common to all Sectors

Quality programming/ Areas common to all Sectors												
Outcome 4: Response operation is well planned, coordinated and monitored												
Output 4.1: Continuous monitoring and assessment of Tropical Depression Nate informs the planning and implementation of the response operation.												
Weeks	1	2	3	4	5	6	7	8	9	10	11	12
Assessment of the present humanitarian situation while considering assessments conducted by other stakeholders												
Pre-positioning of trained volunteers to strategic areas in advance of the Tropical Storm												
Appoint a focal person in the Emergency Operations Centre (EOC) to prepare daily situation reports, which will be posted on the Dashboard and shared with all stakeholders.												
Recruitment of National Society staff (DREF coordinator, financial assistant, field team leader).												
IFRC monitoring visits												
RIT deployment												
Lessons learned workshop												
Output 4.2: Community engagement and accountability activities help target communities and families have access to life-saving and actionable information to take action on their safety, health, and wellbeing, through engagement with the Red Cross to influence and guide action												
Weeks	1	2	3	4	5	6	7	8	9	10	11	12
Identification of target people and communication means												
Carry out beneficiary satisfaction surveys												
Promote community people to express their opinions through videos												
Output 4.3: Establishment of communication/public relations functions												

Weeks	1	2	3	4	5	6	7	8	9	10	11	12
Development of a national communications campaign and strategy												
Development of three videos to promote the National Society activities												
Development of visual material (posters, infographics, brochures)												
Development and implementation of social media campaign												

Contact information

For further information specifically related to this operation please contact:

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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 (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.**



DREF OPERATION

MDRNI007 Nicaragua Tropical Storm

13/10/2017

DREF Grant
Budget CHF

Budget Group	DREF Grant Budget CHF
Shelter - Relief	4,366
Shelter - Transitional	0
Construction - Housing	0
Construction - Facilities	0
Construction - Materials	0
Clothing & Textiles	4,698
Food	0
Seeds & Plants	0
Water, Sanitation & Hygiene	72,345
Medical & First Aid	0
Teaching Materials	9,690
Ustensils & Tools	6,460
Other Supplies & Services	0
Cash Disbursements	0
Total RELIEF ITEMS, CONSTRUCTION AND SUPPLIES	97,559
Land & Buildings	0
Vehicles	0
Computer & Telecom Equipment	0
Office/Household Furniture & Equipment	0
Medical Equipment	0
Other Machinery & Equipment	0
Total LAND, VEHICLES AND EQUIPMENT	0
Storage, Warehousing	0
Distribution & Monitoring	0
Transport & Vehicle Costs	7,488
Logistics Services	1,317
Total LOGISTICS, TRANSPORT AND STORAGE	8,804
International Staff	6,852
National Staff	0
National Society Staff	6,754
Volunteers	9,984
Other Staff Benefits	4,503
Total PERSONNEL	28,092
Consultants	0
Professional Fees	0
Total CONSULTANTS & PROFESSIONAL FEES	0
Workshops & Training	3,817
Total WORKSHOP & TRAINING	3,817
Travel	3,524
Information & Public Relations	8,124
Office Costs	881
Communications	1,233
Financial Charges	587
Other General Expenses	0
Shared Office and Services Costs	0
Total GENERAL EXPENDITURES	14,350
Partner National Societies	0
Other Partners (NGOs, UN, other)	0
Total TRANSFER TO PARTNERS	0
Programme and Supplementary Services Recovery	9,920
Total INDIRECT COSTS	9,920
TOTAL BUDGET	162,543