

Operations update

 International Federation
of Red Cross and Red Crescent Societies

Philippines: Typhoons

Emergency appeal n° MDRPH005
GLIDE n° [TC-2009-000205-PHL](#)
Operations update n° 6
6 November 2009

Period covered by this Operations Update: 29 October to 4 November 2009;

Appeal target (current): CHF 16,286,096 (USD 16.1 million or EUR 10.8 million);

Appeal coverage: With contributions received to date, the appeal is 28 per cent covered in cash and kind; and 36 per cent covered including pledges in the pipeline. Funds are urgently needed to enable Philippine National Red Cross to continue providing immediate humanitarian assistance to those affected by this disaster. [<go to the updated donor response report, or here to link to contact details>](#)

Appeal history:

- This Emergency Appeal was issued 23 October 2009 for CHF 16,286,096 (USD 16.1 million or EUR 10.8 million) for eighteen months to assist approximately 110,000 families (550,000 people).
- A revised preliminary emergency appeal was issued 12 October 2009 for CHF 6,854,640 (USD 6.65 million or EUR 4.51 million) for nine months to assist 200,000 beneficiaries.
- The Emergency Appeal was initially launched on a preliminary basis 1 October 2009 for CHF 3,086,571 (USD 2.98 million or EUR 2.45 million) for nine months to assist 200,000 beneficiaries.
- **Disaster Relief Emergency Fund (DREF):** CHF 200,000 was allocated from the Federation's DREF to support the national society in initial response.



As a consequence of typhoons Ketsana and Parma, over 34,000 houses were completely destroyed in the Philippines main island of Luzon, and over 178,000 homes were significantly damaged. With the arrival of typhoon Mirinae over the weekend, another 6,655 homes were destroyed and a further 25,000 homes damaged. Red Cross will be assisting with construction of 6,500 transitional typhoon-proof shelters with latrines for families with entirely destroyed houses, and with repairs to around 10,000 partially damaged homes. Photo: Philippine National Red Cross.

Summary: Typhoons Ketsana (locally known as Ondoy) and Parma (locally known as Pepeng) struck the Philippines in quick succession on 26 September and 3 October respectively, wreaking havoc across Central Luzon, including the capital city Metro Manila. As of 28 October, the national disaster coordinating council (NDCC) reports 929 people killed and 89 people still missing. To date, government figures report 34,062 houses have been completely destroyed, and 178,856 significantly damaged, while almost 9.4 million people (about 1.9 million families) across the country have been affected. The country has contended with two more typhoons in the period since Ketsana and Parma and the latest, Typhoon Mirinae (locally known as Santi), which struck Metro Manila and surrounding areas on 30 October, has caused a further 19 deaths, destruction of over 6,000 houses and damage to more than 25,000 homes.

To date, cash and in-kind contributions have been received from American Red Cross, Australian Red Cross, British Red Cross/British government, Canadian Red Cross/Canadian government, Danish Red Cross, Finnish Red Cross, German Red Cross, Hong Kong branch of the Red Cross Society of China, Irish Red Cross, Iranian Red Crescent, Japanese Red Cross, Republic of Korea Red Cross, Luxembourg Red Cross, Monaco Red Cross, Netherlands Red Cross, New Zealand Red Cross/New Zealand government and Swedish Red Cross/Swedish government. Contributions have also been received from the European Commission's Humanitarian Aid Office (ECHO), the OPEC Fund for International Development and the Italian government.

On behalf of the Philippine National Red Cross, the International Federation would like to thank all partners for their quick and generous response to this appeal.

The situation

Typhoons Ketsana (locally known as Ondoy) and Parma (locally known as Pepeng) struck the Philippines in quick succession on 26 September and 3 October respectively, wreaking havoc across Central Luzon, including the capital city Metro Manila. Two further typhoons, Lupit (locally known as Ramil) and Mirinae (locally known as Santi) have exacerbated already difficult conditions in affected areas throughout the main island of Luzon, including Metro Manila.

The Philippines National Disaster Coordinating Council (NDCC) reports the following details as at 06:00hrs Thursday, 5 November 2009:

	Deaths	Injured	Missing	No. of people currently in ECs*	ECs	Homes destroyed	Homes damaged	Estimated no. of people affected by typhoons
Ketsana (Ondoy)	464	529	37	16,233 families (72,575 people)	252	27,809	130,736	986,825 families (4,846,417 people)
Parma (Pepeng)	465	207	47	3,258 families (14,892 people)	54	6,253	48,120	954,087 families (4,478,284 people)
Mirinae (Santi)	26	12	6	13,733 families (63,377 people)	167	6,655	25,492	97,741 families (462,149 people)
Total	955	748	90	33,244 families (150,844 people)	473	40,717	204,348	2,038,653 families (9,786,850 people)

*Evacuation centres

Typhoon Mirinae struck Metro Manila and surrounding areas in the early morning of Saturday 31 October 2009 causing 26 deaths, destroying 6,655 houses and significantly damaging a further 25,492 homes. Over 23,000 families were pre-emptively evacuated to evacuation centres or friends and families homes in safer locations. The most affected municipalities were:

- Victoria, Laguna: 11,457 houses (10,745 damaged, 712 destroyed).
- Paracale, Camarines Norte: 3,308 houses (2,072 damaged, 1,236 destroyed).
- Jomalig, Quezon: – 1,304 (1,259 damaged, 45 destroyed).

The Bridge of Promise in Batangas City collapsed as a consequence of the typhoon's ferocity, during which an accident occurred involving two vehicles. An ambulance from the Philippine National Red Cross (PNRC) Batangas Chapter's Emergency Response Unit attended the incident, administering first aid and transporting a patient to the local hospital.

Coordination and partnerships

Within the Red Cross Red Crescent Movement, the PNRC is supported by the International Federation including the field assessment and coordination team (FACT), regional disaster response team (RDRT) members and partner national societies. Movement support in the typhoon Ketsana relief operation includes operational capacity and the coordination of relief efforts. PNRC also coordinates and cooperates with national and local authorities. Regular coordination meetings are held with all Movement partners at operational level.



International Federation activated the shelter cluster and three team members are now incountry (team leader, information management, and technical expert) and is coordinating the emergency shelter activities of all. International Federation representatives regularly attend Inter-Agency Standing Committee (IASC) meetings.

More than a month since typhoon Ketsana wreaked havoc on Metro Manila and surrounding areas, some locations are still under water, and the arrival of typhoon Mirinae last weekend has only worsened the already difficult conditions. Red Cross is assisting the families affected by the typhoons with food distributions that have already reached 130,000 families, and with non food relief, such as blankets, water containers, sleeping mats, mosquito nets and hygiene kits. Photo: Philippine National Red Cross.

PNRC, International Federation and partner national society representatives meet weekly to coordinate all Movement activities.

Red Cross and Red Crescent action

Overview

As of 4 November 2009, PNRC has distributed 134,852 food relief parcels to families affected by the typhoon disasters. A total of 63,153 non-food item sets and 15,340 hygiene kits have also been distributed to affected families. Distribution of food and non-food items is ongoing.

An early recovery briefing was held on 3 November 2009, with PNRC and all Movement partners attending. A workshop is scheduled for 6 November, to be attended by key representatives of PNRC (from headquarters and chapters), and Movement partners, to review the response to date, and to coordinate the implementation of the plan of action.

Progress towards objectives

Since the launch of the preliminary emergency appeal on 1 October, the following objectives have been progressed as follows:

Relief distributions (basic non-food items)

Objective: The quantities and quality of relief items distributed to the 30,000 affected families are appropriate, with distributions of basic household items (blankets, jerry cans, mosquito nets, buckets, kitchen sets, hygiene items, and sleeping mats) carried out according to assessment and selection criteria based on the identification of needs and vulnerable groups.

Expected results	Activities planned
The immediate needs of typhoon-affected families living in evacuation shelters and damaged houses are met.	Working with logistics colleagues and PNRC counterparts: <ul style="list-style-type: none"> • Continue with rapid emergency needs and capacity assessments. • Develop beneficiary targeting strategy and registration system to deliver intended assistance. • Manage a scale up of spontaneous volunteers to reach affected families and communities to meet temporary needs. • Distribute relief supplies and control supply movements from point of dispatch to end user. • Monitor and evaluate the relief activities and provide reporting on relief distributions. • Develop an exit strategy.

As of 4 November 2009, PNRC has distributed 134,852 food relief parcels to families affected by the typhoon disasters. A total of 63,153 non-food item sets and 15,340 hygiene kits have also been distributed to affected families. Distribution of food and non-food items is ongoing; distribution plan for non-food items for the period 2 - 6 November is as follows:

Date	Time	Place		Number of Families
		Chapter	Municipality	
Nov 3	5am -	Rizal	Binagonan	924
Nov 4	5am -	Rizal	Montalban	353
	5am-	Rizal	San Mateo	300
		Pangasinan	Binmaley	372
Nov 5	5am -	Rizal	Antipolo	130
	1pm -	Rizal	Tanay	289
		Pangasinan	San Manuel	501
		Pangasinan	Calasiao	403

Consolidated Summary of relief distribution for Ketsana (Ondoy) and Parma (Pepeng) As of 4 November 2009

Chapter	No. of EC	No. Families Served					
		Food Items	Non-Food Items	Hygiene Kit	Cleaning Materials	Water and sanitation (Bladder)	Latrines (Portalets)
GRAND TOTAL	311	134,852	63,153	15,340	1,500	15	45
Laguna	190	17,914	13,460	3,307	-	1	
Quezon City	7	11,390	2,842	2,842	-	-	
Rizal	111	51,947	43,964	9,191	-	11	45
Bulacan		2007					
Batangas		762					

Valenzuela	3	5156				
Manila		5918				
Malabon		1020				
Caloocan		1648		1500		
Pampanga		308				
Benguet		5,305				
Bulacan		3,004				
Cagayan		581				
Ilocos Sur		700				
Kalinga		1,299				
La union		5,436				
Mt. Province		139				
Nueva Ecija		2,244				
Pampanga		5,033	2,887		3	
Pangasinan		10,157				
Tarlac		2,789				
Zambales		95				

Health and care

Objective: The health risks of the affected population are reduced through the provision of preventive, community-level and curative services to some 13,000 families (65,000 beneficiaries).
Note: For figures for hygiene promotion please refer to the activities outlined under the water and sanitation sector.

Expected results	Activities planned
<ul style="list-style-type: none"> Health risks of the affected population are further assessed. Affected people in communities hit by the typhoon have received appropriate medical services. Communities have received appropriate referral services for the most vulnerable patients. Affected communities are supported to develop social resilience. 	<ul style="list-style-type: none"> Working with the appropriate health authorities, assist in assessing the basic mortality and morbidity in the population as a result of the emergency and utilizing the obtained information in analysing assessment findings. Working with the appropriate health authorities, assist in assessing the health risks of the affected population in terms of health services, prevention, health needs and risk of communicable diseases. Carry out health promotion activities (linked with hygiene) to affected communities, in coordination with water and sanitation support, through 25 health promotion teams, supported by information, education and communication materials. Provide medicines through 50 essential drug kits (procured locally through the WHO procurement standards), which have the capacity to supply up to 50,000 people. Service affected communities through the deployment of seven mobile medical teams for one month. Establish 60-bed medical post to support local hospital. Support medical referral systems for malnourished patients, including children, pregnant women and other vulnerable groups. Support to PNRC to provide psychosocial support to vulnerable communities, volunteers, and staff.

Provision of tracing, psychosocial and welfare services by PNRC is ongoing in evacuation centres still in operation. PNRC is also assisting the department of health in the provision of doxycycline in leptospirosis-affected locations.

Water, sanitation, and hygiene promotion

Objective: The risk of waterborne and water-related diseases has been reduced through the provision of safe water, adequate sanitation as well as hygiene promotion to 45,000 families (or 225,000 beneficiaries).	
Expected results	Activities planned
Access to safe water and adequate sanitation facilities at target evacuation centres has been established along with increased awareness of hygiene practices.	<ul style="list-style-type: none"> • Assess the basic water, sanitation and hygiene promotion and likelihood of water and sanitation-related diseases in the affected population. • Address water, sanitation and hygiene priorities among people living in selected evacuation centres, with special emphasis on the needs of women and children. • Survey the availability of safe drinking water for people living in evacuation centres. • Provide water containers and purification tablets to 125,000 people (15,000 families) in particular need for one month (these will be included in the non-food item packages). • Provide 45,000 people (9,000 families) with potable water with the provision of water bladders at targeted evacuation centres. • Provide emergency latrines for a beneficiary group of 45,000 people (9,000 families) (men and women) at evacuation centres. • Conduct emergency participatory hygiene and sanitation transformation (PHAST) sessions on the safe use of water and sanitation facilities in the target area through locally identified and trained community health volunteers in selected shelters and respective communities supporting safe return. This will be carried out in three rounds (15,000 people per round) over the duration of the operation. • Coordinate with the water, sanitation and hygiene (WASH) cluster and maintain regular reporting/feedback. • In collaboration with appropriate government authorities, assist in conducting water quality testing. • Participate in the treatment of water for vector control. • Distribute water purification tablets to complement hygiene promotion activities. • Conduct vector control and prevention measures. • Conduct waste disposal and drainage clearing measures.

PNRC, with support from Spanish Red Cross, German Red Cross and the International Federation, organized extensive water and sanitation assessments immediately following Ketsana and Parma to identify and address the needs of the affected population. Re-assessments were done in following weeks to capture changes in the situation. See attached table for detailed information of water and sanitation interventions to date.

- **Water supply:** As of 4 November 2009, PNRC has responded to the immediate needs for safe water supply in 16 evacuation centres with the deployment of water bladders (10T and 5T litres) and a T11 modular water tank. In most centres, the water services were restored and started to function normally within a few days or weeks and the bladders were then removed. Only two bladders are still operating (in Zambales). More than 5,000 families staying in the 16 evacuation centres had access to the water bladders installed by PNRC.

Typhoon Santi has caused further damage and PNRC has deployed two bladders in Laguna to attend to the needs of new evacuation centres.

- **Sanitation:** To complement existing sanitation facilities in the evacuation centres, PNRC organized installation of 45 portable latrines in four evacuation centres. The rental service includes regular cleaning of the latrines and dislodging as required.

PNRC constructed eight permanent latrines in Marinika School, four each for females and males. A water point was established outside each latrine. At the moment, there is no need for further latrine interventions in the affected areas. Further assessment and consideration is ongoing to solve the sanitation problems in the flooded areas where excreta disposal is problematic.

Movement partners are participating in WASH cluster meetings and in different technical working groups to coordinate and share information with other actors operating in this emergency.

- **Hygiene promotion:** An emergency hygiene promotion program has been designed to disseminate good hygiene practices among the affected population. This is crucial as outbreaks of waterborne diseases are already affecting the flooded areas. PNRC has developed an intervention for the next three months, and by the end of December more than 15,000 families will have participated in hygiene promotion sessions.

Weekly sessions will be complemented with distribution of soap, water purification solution (only for families living in flooded areas) and information, education, communication (IEC) materials, which includes four leaflets with information on good hygiene practices, diarrhoea prevention, cholera and leptospirosis. Rubbish bins and cleaning materials will be provided to evacuation centres.

More than 120 volunteer hygiene promoters were trained in the week 26-30 October in Laguna, Rizal and Quezon City, and 30 new volunteers are now being trained in Zambales. Hygiene promotion activities with beneficiaries commenced this week.

Shelter

Objective: Some 16,500 affected households have safe and adequate shelter and settlement solutions through the provision of locally appropriate materials and guidance on improved building techniques.

Expected results	Activities planned
Improved shelter conditions at evacuation centres and informal settlements for families with severely damaged, inundated and destroyed houses.	<ul style="list-style-type: none"> • Assess the extent of the shelter needs and preferred shelter solutions. • Provide acceptable shelter conditions for persons unable to return to their dwellings in the short term. • Construct 6,500 transitional (typhoon and cyclone-resistant) shelters with latrines for entirely damaged/destroyed houses and repairs to some 10,000 partially damaged homes. • Enable the provision of safe and adequate locally appropriate shelter solutions through appropriate programming methods. • Promote safe and durable shelter where possible through the provision of technical assistance and guidance to all involved in the shelter activities. • Ensure shelter and settlement programming includes access to required water and sanitation services. • Incorporate linked livelihoods initiatives where possible to maximise the potential economic benefits of the shelter programming. • Promote increased awareness and understanding of typhoon resistant construction and safe and adequate shelter response • programming with the national society and affected communities, including advocacy with the government for access to appropriate land sites. • Carry out ongoing monitoring and provide assistance to the families involved.

Assessments and negotiations with local government authorities (LGUs) are continuing this week to identify suitable land sites for shelter construction.

Early recovery and livelihoods

Objective: To protect the food security and livelihoods of up to 6,500 families (35,000 of the most vulnerable affected people).

Expected results	Activities planned
<ul style="list-style-type: none"> • Improved food security for the most vulnerable of the 	<ul style="list-style-type: none"> • Assess the livelihood needs, including the possible distribution of seeds and saplings to some 6,500 families as part of a combined

<p>affected population.</p> <ul style="list-style-type: none"> Increased livelihood opportunities to supplement coping mechanisms for those households and communities that are reliant on paddy agriculture, fishing, or livestock (until the resumption of their main productive activity). 	<p>relief distribution process, thereby contributing to increased food security.</p> <ul style="list-style-type: none"> Provide grants to enable or reinforce livelihoods with the purchase of appropriate tools and equipment to repair fishing nets to a percentage of the targeted fishing households. Provide vocational training to grant beneficiaries to support supplementary livelihoods in identified districts. For households reliant on fishing, supplement income for livelihoods until the trawler fishing sector is regenerated. Provide 25,000 sets of basic school kits (note pads, etc.). This will be coordinated with UNICEF (and other NGOs) working in this sector.
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Disaster preparedness

Objective: Communities affected and those at risk of future disasters are supported through increased ability and resilience to deal with future calamities via enhanced disaster preparedness capacity.

Expected results	Activities planned
<p>Local PNRC chapters have improved stock of essential items and training for staff and volunteers in disaster response.</p>	<ul style="list-style-type: none"> Reinforce PNRC emergency response procedures and contingency planning. Procure 15 rubber-boats and train PNRC teams for search-and-rescue work. Equip local chapters with 850 rubber boots and 500 life-vests for future search and rescue operations. Equip PNRC headquarters with two land cruisers that will be specially geared for flood situations. Review the existing disaster assessment procedures with a focus on strengthening chapter participation in disaster management and support. Enhance the preparedness for future disasters through the provision of technical materials and support the PNRC. Conduct on-the-job training for PNRC recruits in logistics-relief, fleet management and procurement. Implementation of integrated community-based disaster preparedness activities (early warning; hazard mapping, identification of safe havens and exploring adapting existing structures, etc.) through a scaled up community based volunteer mobilisation and training strategy linked to sustainable approaches to branch development. DP stock replenishment (quantities and items to be confirmed with the PNRC).

The PNRC chapter emergency response teams, particularly those in high risk areas, were placed on standby on 30 October in preparation for Typhoon Mirinae. Chapters were directed to prepare rescue equipment including rubber boats, ambulances and rescue tracks.

An ambulance from PNRC's Batangas chapter was the first to arrive at the scene of an accident following a bridge collapse in Batangas City. PNRC officers administered first aid and transferred a patient to the local hospital.

Logistics

Procurement activities are ongoing and have been strengthened by expanded logistics team which now includes International Federation logistics delegate, RDRT logistics delegate and RDRT warehouse management delegate.

An updated mobilization table is available on the Disaster Management Information System (DMIS). For now all items on the mobilization table are covered with some remaining quantities indicated to be procured locally. Operation continues to seek cash to cover these items to be procured locally.

Donors are requested to coordinate with the regional logistics unit in Kuala Lumpur regarding outstanding needs. Shipping instructions will be provided to donors with a consignment tracking number to be issued before shipping any goods to the operation. Procurement of goods and transport can also be arranged through the regional logistics unit.

Communications – Advocacy and Public Information

In the early stages of this emergency and as each new storm has approached the Philippines, media interest has been high. Interviews regarding both response and preparedness have been led by PNRC representatives on almost every occasion, with nearly 200,000 media impressions having been achieved for Typhoons Ketsana and Parma alone.

A professional photographer has just returned from the Philippines with images and extended captions that will be available shortly for use around the world. Moving forward, the steady flow of information between the field and other major stakeholders will support the programme objectives of this emergency appeal, increase the profile, funding and other support for the national society and the International Federation, and provide a platform on which to advocate in the interests of vulnerable populations. In close collaboration with PNRC and the International Federation operation, those affected by this emergency will be provided with information to support their relief and recovery.

How we work

All International Federation 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 is committed to the Humanitarian Charter and Minimum Standards in Disaster Response (Sphere) in delivering assistance to the most vulnerable.

The International Federation's activities are aligned with its Global Agenda, which sets out four broad goals to meet the Federation's mission to "improve the lives of vulnerable people by mobilizing the power of humanity".

Global Agenda Goals:

- Reduce the numbers of deaths, injuries and impact from disasters.
- Reduce the number of deaths, illnesses and impact from diseases and public health emergencies.
- Increase local community, civil society and Red Cross Red Crescent capacity to address the most urgent situations of vulnerability.
- Reduce intolerance, discrimination and social exclusion and promote respect for diversity and human dignity.

Contact information

For further information specifically related to this operation please contact:

- Philippine National Red Cross: Gwendolyn T. Pang, secretary-general; email: gwenpang@redcross.org.ph, pnrchq@redcross.org.ph; phone: +632 525 5654; fax: +632 527 0857
- International Federation country office, Philippines: Selvaratnam Sinnadurai, head of country office, email: selvaratnam.sinnadurai@ifrc.org; phone: +63 527 0000, ext. 155, mobile: +6391 7880 6844
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Annex 1

TS "Ondoy" and "Pepeng Operations

PNRC Water and Sanitation Deployment

Sanitation Component

Water Component

No.	Name of Evacuation Centers	Location / Address	No. of families at the Ecs		Latrines set up during	PNRC Water Provision	Unit	Date/s of Deployment		Vol. of water (liters) supplied per day
			from	to				From	To	
1	TLRC - NTRA	Zambales PEPENG	200	350		10T L water bladder with tapstand	1 pc.	Oct. 16	present	20,000
2	Mobile Truck	Zambales PEPENG	200			5T L water bladder with tapstand	1 pc.	Oct. 16	present	10,000
3	Ultra Oval Track and Field	Meralco Ave., Pasig City ONDOY	150	200		10T L water bladder with tapstand	1 pc.	Oct. 09	Oct.23	20,000
4	Esguerra High School	Brgy. Sta. Ana, Taytay, Rizal ONDOY	200	250		T11 Modular Tank / Oxfam Tank	1 pc.	Oct. 08	Oct.23	20,000
5	ULTRA Main Gymnasium	Meralco Ave., Pasig City ONDOY	300	350	15	10T L water bladder with tapstand	2 pcs.	Oct. 05	Oct.23	20,000
6	Quinto Bridge, Brgy. Herrero	Brgy. Herrero, Dagupan City, Pangasinan PEPENG	60			10T L water bladder with tapstand	1 pc.	Oct. 10	Oct. 13	20,000
7	Pagasa St., Carmen, East Rosales	Carmen East Rosales, Pangasinan PEPENG	200	250		5T L water bladder with tapstand	1 pc.	Oct. 11	Oct. 14	10,000
8	Twinville Subdivision covered court	Brgy. Nangka, Marikina City ONDOY	300	400		10T L water bladder with tapstand	1 pc.	Oct. 06	Oct. 12	20,000
9	Kabisig Elementary School	Cainta, Rizal Province ONDOY	300	400		10T L water bladder with tapstand	1 pc.	Oct. 04	Oct. 12	20,000
10	Concepcion Elementary School	Bayan-Bayanan road, Brgy. Concepcion 1, Marikina City ONDOY	300	400		10T L water bladder with tapstand	1 pc.	Oct. 02	Oct. 05	20,000
12	Nangka Elementary School	Balubad St., Brgy. Nangka, Marikina City ONDOY	500	600	10	10T L water bladder with tapstand	1 pc.	Oct. 01	Oct. 12	20,000
13	Malanday Elementary School	Visayas St., Brgy. Malanday, Marikina City ONDOY	600	700	10	10T L water bladder with tapstand	1 pc.	Oct. 01	Oct. 05	20,000
14	Concepcion Integrated School	J.P. Rizal St., Brgy. Concepcion 1, Marikina City ONDOY	500	600		10T L water bladder with tapstand	1 pc.	Sept. 30	Oct. 05	20,000
15	H. Bautista Elementary School	J.P. Rizal St., Brgy. Concepcion 1, Marikina City ONDOY	480	520	10	10T L water bladder with tapstand	1 pc.	Sept. 30	Oct. 05	20,000
16	Municipal Town Plaza	Sta. Maria Municipality Laguna ONDOY	400	500		5 T L water bladder with tapstand	1 pc.	Sept. 27	Sept. 29	5,000
		TOTAL	4,690	5,520	45		16			265,000