

# Typhoon Kong-Rey Disaster Response Report – 2nd Report

Central Emergency Operation Center  
Data as of 28.08.2013 20:30

## I. Typhoon Summary (Source: Central Weather Bureau)

The Central Weather Bureau issued the sea warning for mild Typhoon Kong-Rey at 11:30 on August 27, 2013, followed by the sea and land warning at 11:30 on August 28. At 20:00 of August 28 the typhoon center was located at 22.3 degrees north latitude and 122.7 degrees longitude, placing it out at sea 190 km northeast-east of Eluanbi. The Force 7 storm radius is 120 km and the typhoon is moving north at a rate of 16 km/h. The latest weather report indicated that the center of the typhoon is currently out at sea northeast-east of Eluanbi and continuing to move in the northern direction. The storm circle has now entered the coastal waters of eastern Taiwan and poses a threat to both eastern and northern Taiwan. The typhoon is expected to increase slightly in strength and the storm area has shown signs of expanding as well. Taitung (including Lanyu and Lyudao), Hualien, Yilan, New Taipei, Taipei, Keelung, Taoyuan, Hsinchu, Miaoli, Taichung and Nantou should take extra precautions. Shipping sailing or operating in the Bass Strait or in the waters southeast, northeast or north of Taiwan should take extra precautions. Long waves have been detected along Taiwan's southwest coast, the Hengchun Peninsula, the east coast as well as Lyudao and Lanyu so extra care should be taken with coastal activities; Taiwan's coastal regions will also experience strong wind gusts. Due to the effects of the typhoon and its outer circulation, Taiwan's southern and central mountains can expect torrential rain and extremely torrential rain between today (8/28) and tomorrow (8/29). Central Taiwan as well as the mountain areas of Yilan and Taitung will experience extremely heavy rain or torrential rain; northern Taiwan, Yilan, Hualien and Taitung will experience heavy rain or extremely heavy rain, while Penghu has a chance of experiencing heavy rain. Please watch out for landslides, falling rocks, debris flows and flash foods. Low-lying areas should take precautions against flooding.

## II. Disaster Profile

Rainfall ( Source: Central Weather Bureau ) ●

(Data from 8/28 0:00 to 8/28 20:00)

Area	Rainfall (mm)
Linyuan, Linyuan District, Kaohsiung City	159
Yujin, Yujin District, Tainan City	130
Daliao, Daliao District, Kaohsiung City	120
Da'nei, Da'nei District, Tainan City	115.5
Huanhu, Da'nei District, Tainan City	114
Chiayi, East District, Chiayi City	108
Shanshang, Shanshang District, Tainan City	104
Nanxi, Nanxi District, Tainan City	98
Zuozhen, Zuozhen District, Tainan City	81
Maobitou, Hengchun Township, Pingtung County	76
Nanjing, Shuishang Township, Chiayi County	69
Sanzhu Lake, Gukeng Township, Yunlin County	31
Xinpi, Xinpi Township, Pingtung County	29

## III. Typhoon Response

A. City-county emergency operation centers established (Source: National Fire Agency, Ministry

of the Interior)

Type	Number of EOCs established	Location
County/City	14	Level 1: New Taipei City, Taichung City, Keelung City, Taoyuan County, Hsinchu City, Nantou County, Yilan County, Hualien County, Taitung County Level 2: Taipei City, Chiayi City, Hsinchu County, Miaoli County, Pingtung County
Port	3	Level 1: Keelung Port, Taichung Port, Hualien Port

#### B. Danger areas declared (Source: National Fire Agency, Ministry of the Interior)

County/City	Number of danger areas					Enforcement	
	Low-lying area	Mountain	Coast	River	Other	Warnings issued	Penalty notices issued
New Taipei City	0	0	6	11	9	0	0
Taichung City	0	5	6	17	0	0	0
Yilan County	0	143	5	35	13	0	0
Hualien County	0	25	18	69	166	0	0
Taitung County	16	16	78	165	0	0	0
Total	16	189	113	297	188	0	0

#### C. Distribution of debris flow danger areas (Source: Soil and Water Conservation Bureau, Council of Agriculture)

County/City	Debris Flow Danger Areas							Status
	Yellow Alert			Red Alert			Total	
	Potential debris flow rivers	Township	Village	Potential debris flow rivers	Township	Village	Potential debris flow rivers	
Kaohsiung City	77	4	24	0	0	0	77	
Nantou County	114	3	33	0	0	0	114	
Chiayi County	36	2	15	0	0	0	36	
Pingtung County	13	2	8	0	0	0	13	
Total	240	11	80	0	0	0	240	-

Note: Response to alert:

1. Yellow Alert (predicted rainfall higher than debris flow warning threshold): Local governments should advise residents to evacuate.
2. Red Alert (actual rainfall has reached debris flow warning threshold): Local government may issue mandatory evacuation orders based on local rainfall and actual conditions.

#### D. Mountain climber contact (Source: National Police Agency, Ministry of the Interior)

Table created: 28/08/2013

Mountain Climbing Applications		Persuaded to not enter mountain areas		Climbers contacted								Climbers out of contact	
				Already left the mountains		Safe accommodation in the mountains		Shelter in place		Leaving the mountains			
Case	Persons	Case	Persons	Case	Persons	Case	Persons	Case	Persons	Case	Persons	Case	Persons
760	3787	514	2567	246	1220	0	0	0	0	0	0	0	0

(Note: Climbers out of contact refers to climbers that have not contacted rangers, family members or the police for more than 48 hours after entering the mountain areas. This table was compiled by the MOI National Police Agency and the

E. Accommodation of fishermen from Mainland China (Source: Council of Agriculture, Executive Yuan)

Time	Accommodated on boats	Accommodated on shore	Total
2013/08/28 17:05	907	627	1534

F. Suspension of school of and work (Source: Directorate-General of Personnel Administration, Executive Yuan)

For 8/29, all work and school suspended in Yilan County and Hualien County. School and work unaffected in other regions.

**IV. Evacuation and Emergency Shelters**

A. Number of people evacuated (Source: Department of Civil Affairs, Ministry of the Interior)

Municipalities	Estimated number of evacuees	Actual number of additional evacuees	Cumulative number of evacuees
Hualien County	15	1	1
Total	15	1	1

B. Shelters

(1) Emergency shelters (Source: Ministry of Health and Welfare)

Up to 1 shelters were opened, housing a cumulative total of 26 people. There are currently 1 shelters in operation holding 26 people.

County/City	Township/City	Emergency Shelter		Setup	Closed	Current number of evacuees			Cumulative total of evacuees			Remaining food supplies		Hot food provided on a continuous basis via open contract or non-government organization	Remarks
		Subtotal	Name			Total	Male	Female	Total	Male	Female	Persons	Days		
Kaohsiung City	Gangshan District	1	Gangshan Veterans' Home	2013/08/28 20:30		26	10	16	26	10	16	0	0		

(2) Civilians housed in military camps (Source: Ministry of National Defense)

Military camps were prepared to provide emergency shelter for 51478 civilians at 102 locations.

Area	3rd Combat Zone (North)	5th Combat Zone (Central)	4th Combat Zone (South)	2nd Combat Zone (East)
Military Camp Shelters	35	35	24	8
Subtotal	102			
Capacity	16322 people	15653 people	15174 people	4329 people
Subtotal	51478 people			

**V. Disaster statistics**

A. Deaths and injuries (Source: National Fire Agency, Ministry of the Interior)

**No injuries or deaths have been reported so far.**

Note: At 04:30 on August 28, Su'ao Fishery Radio Station received a report that the fishing raft "Xing Yu No.2" out of Su'ao had accidentally capsized at 20:00 on August 27 2 miles outside the Lanyang River mouth and two crew members had fallen overboard. One crew member (Jiang O-qiang) was rescued by a

nearby fishing boat while the other (Jiang O-xiang) remains missing. The National Airborne Service Corps and Coast Guard Administration have dispatched aircraft and ships to conduct search & rescue operations. (Yilan County EOC stated that the waters where the fishing raft capsized was not covered by the sea typhoon warning at the time so the case was not included in Yilan County's typhoon disaster information.

## B. Transportation

### (1) Transportation damage and repairs (Source: Ministry of Transportation and Communications)

Item	Disaster affected sites (sites)	Repaired (sites)	Not repaired (sites)	Remarks
Provincial Highway	0	0	0	1. Provincial Highway 9's Su'ao - Chongde section (104K + 700 ~ 179K+100): Road closed to new traffic from 6PM, 8/28 (only outgoing traffic permitted). Preventive road closure will be implemented along the whole route at 9PM. 2. Provincial Highway 20's Gaozhong section (84K + 100) in Taoyuan District, Kaohsiung City: Preventive closure implemented at 6:30PM, 8/28.
Total	0	0	0	

(Note: This table was compiled by the Ministry of Transportation Communications based on statistics provided by the EY Council of Indigenous Peoples, EY Council of Agriculture and MOI Construction and Planning Agency)

### (2) Flight cancellations (Source: Ministry of Transportation and Communications)

**A total 23 flights were cancelled or delayed due to Typhoon Kong-Rey. (See attachment for details.)**

### (3) Regional flooding (Source: Ministry of Economic Affairs)

County/City	Location	Start of flooding	End of flooding	Water depth (m)	Surface area (m <sup>2</sup> )	No. of households flooded	Remarks
Chiayi City	Water build-up in the Shixian Underpass on Sec. 3 Shixian Rd. in West District, Chiayi City	08/28 15:10	08/28 18:00	0		0	Receded
Chiayi City	Water build-up in the Xinye W. Rd. Underpass in West District, Chiayi City	08/28 15:40	08/28 17:55	0		0	Receded
Total	-	-	-	-	-	0	-

## VI. Support for City-County Emergency Operations

### A. Emergency rescue manpower, equipment and operations (Source: Ministry of National Defense, MOI National Fire Agency, MOI National Airborne Service Corps, MOI National Police Agency, Coast Guard Administration)

Personnel, Equipment and Operations	Armed Forces	Firefighter (including Volunteer Firefighters)	Police (incl. Volunteer Police and Civil Defense)	Air Crew	Coast Guard	Total
Personnel Dispatched (persons)	0	514	742	0	40	1296
Helicopter (sorties)	0	0	0	0	0	0

Aerial Surveillance (sorties)	0	0	0	0	0	0
Vehicles (missions)	0		420	0	7	427
Vessels (incl. rubber boats) (vessels)	0	0	0	0	3	3
Machinery (pcs)	0	0	0	0	0	0
People Rescued (persons)	0	0	0	0	0	0
Transported Supplies (Tonnes)	0	0	0	0	0	0
Transported Rations (pcs)	0	0	0	0	0	0
Debris & Rubbish Removal (Tonnes)	0	0	0	0	0	0
Disinfected Area (sq. m.)	0	0	0	0	0	0

Remarks: Table data represents cumulative total

**B. Emergency response readiness (Source: Ministry of National Defense)**

The first emergency response force of 3200 people can be deployed with 10 minutes' notice.

The second emergency response force of 4800 people can be deployed with 3 hours' notice.

Table of Pre-Deployed Military Emergency Response Forces on Taiwan				
Area	3rd Combat Zone (North)	5th Combat Zone (Central)	4th Combat Zone (South)	2nd Combat Zone (East)
1st Emergency Response Force	800 people	800 people	800 people	800 people
Location				
Subtotal	3200 people			
2nd Emergency Response Force	1200 people	1200 people	1200 people	1200 people
Location				
Subtotal	4800 people			