

## 24/7 Emergency Operation Center for Flood, Storm and Landslide

DATE: Saturday, September 17, 2011

TIME: 09.00

LOCATION: Meeting Room 2, Ministry of Interior

CHAIRPERSON: Mr. Chatpong Chatraphuti,

Deputy Director of Department of Disaster Prevention and Mitigation

### 1. CURRENT SITUATION

- 1.1 **Current flooded provinces:** there are 26 recent flooded provinces: Sukhothai, Phichit, Phitsanulok, Nakhon Sawan, Uthai Thani, Chai Nat, Sing Buri, Ang Thong, Phra Nakhon Si Ayutthaya, Lopburi, Sara Buri, Suphan Buri, Nakhon Pathom, Pathumthani, Nonthaburi, Ubon Ratchathani, Yasothorn, Loei, Khon Kaen, Sisakes, Chacheongsao, Nakhon Nayok, Tak, Sakaew, Prachinburi, and Surat Thani. The total of 165 Districts, 1,095 Sub-Districts, 6,915 Villages, 408,783 families and/or 1,412,357 people are affected by the flood. The total fatalities are 102 deaths and 2 missing. (Fatalities: 1 in Udon Thani, Sakon Nakhon, Phetchabun, Chainat, Trad and Chaeongsao; 2 in Tak, Nakhon Phanom, Roi Et, Phang-Nga and Suphan Buri and Singburi; 3 in Chonburi; 4 in Prachin Buri ; 6 in Phitsanulok, Uttaradit Mae Hong Son and Chiang Mai; 8 in Phrae; 9 in Sukhothai; 11 in Nakhon Sawan and 24 in Phichit: Missing: 1 in Mae Hong Son, and 1 in Uttaradit due to landslide)
- 1.2 **Weather Condition:** The monsoon trough lies across neighboring Myanmar and upper Laos, and the weak southwest monsoon prevails over the Andaman Sea, Thailand and the Gulf of Thailand. Scattered rain is likely over upper Thailand. During 18-20 September, the monsoon trough will lie across upper Thailand, and the southwest monsoon will intensify. More rain and isolated heavy to very heavy rainfalls are expected over the country. Weather forecast for the next 12 hours the chances of rainfall in the upper northeast in Nong Kai, Bung Kan and Nakhon Panom Province. During 20-21 Sept, the monsoon through will lie across central, and lower northeastern part. (Thai Meteorological Department : TMD)
- 1.3 **Amount of Rainfall:** The heaviest rainfall in the past 24 hours is at Nong Wang Sub-district, Bang Pang District of Nakhon Panom Province at 133.0 mm.
- 1.4 **Estimate Losses and Damages:**
- 1.4.1 **Agricultural impact:** Farming areas which would be affected are estimated at 4,809,302 rai; 54,852 rai for fisheries and 3.95 million livestock (source: Ministry of Agriculture and Cooperatives).
- 1.4.2 **Transportation Routes:**
- Highway:** 24 main highways in 10 provinces are flooded and cannot be passed (Sukhothai province: [Route 1293](#) Sukhothai-Phitsanulok at k.m. 8-11, 45 cm. of flood water, divert to rural roads; **Phichit Province:** [Route 111](#) Sak Lek – Phichit at k.m. 14-16, 25 c.m. of flood water, divert to by Pichit By pass route ; [Route 113](#) Bang Mun Nak-Phichit at k.m. 14-18, 40 cm. of flood water, divert to rural roads; [Route 1068](#) Wangjik-Pai Tha Tho at KM.7-10,25 c.m. of flood water, divert to Rural Road; [Route 1118](#) Taphanhin-Bang Mun Nak at k.m. 0-23, 15-50 cm of flood water, divert to route 11; [Route 1304](#) Hua Dong-Yang Sam Ton at k.m. 3-4, 35-60 cm. of flood water height, divert to route 1110; [Route 1313](#) Bang Mun Nak-Taphan Hin at k.m. 11-14, divert to route 1118 Taphan Hin – Bang Mun Nak; **Phitsanulok Province:** [Route 1275](#) Tha Chang-Phromphiram at k.m. 2-3, 70 cm. of flood water, divert to route 1086 Phitsanulok-Wat Bote; **Petchabun Province:** [Route 2181](#) Pak Huay Khon Kean- Lomsak at k.m. 4-6, 50 c.m. of flood, divert to rural road;

## 1. CURRENT SITUATION (CON'T)

**Nakhon Sawan province:** Route 122 at k.m. 0-3, 40-50 cm. of flood water, divert to route 1 Phayuhakhiri-Nakhon Sawan; Route 225 Pak Num Pho-Nakhon Sawan at k.m. 1-10, divert to route 3004 Nakhon Sawan-Tha Tako; Route 1084 Pa Dang-Bunphot Phisai at k.m. 50-52, divert to rural road; Route 3005 Ta Ta Kui – Krok Pra at k.m. 1-2, 50 c.m. of flood water, no alternate route, Route 3522 Junction to Payuha Kiri at k.m. 2-4, 50 c.m. of water flood, divert to route 1 Payuha Kiri – Nakhonsawan; Route 3475 Thab Krit-Phanom Rod at k.m. 0-8, 30-50 c.m. of flood water, divert to rural route; **Singburi province:** Route 311 Singburi – Chainart at k.m. 6-9, divert to route 3030 Bangrachan - Singburi; Route 3030 Singburi-Bangrachan at k.m. 0-1, 50 c.m. of flood, divert to route 32 Asia Highway route; Route 3033 Ba Nga – Promburi at k.m. 1-10, 35 c.m. of flood, divert to Asia Highway route 32; **Lopburi Province:** Route 3019 Khao Pra Ngam – Kok Kra Tiem at k.m. 1-2, 50 c.m. of flood water divert to Route 1 Khok Samrong; **Trad Province:** Route 3158 Panom-Nawong at k.m. 9-10, 30 c.m. of flood water divert to route 3157 Tajod - Chang Toon; **Suphanburi Province:** Route 340 Suphanburi Junction at k.m. 0-1, 40 c.m. of flood water, divert to route 340 to Supahnburi; **Chiyaphum Province:** Route 255 Kew Khao-wang Kratha Hubpho at k.m. 153-155, 50-100 cm. of flood water, divert to route 201 Chaiyaphum-Nong Bua Khok; Route 2359 Nong bua Dang-Wang Yai at k.m. 16-17, 70 c.m. of flood divert to rural road) **For more information, contact 1568.**

**Rural roads:** 49 rural roads in 19 provinces are not passable (1 road in Phitsanulok, Pang-Nga, Ubon Ratchathani, Uthaithani, Nakhon Si Thammarat, Suphanburi, Rayong, Sisakes, Nakhonnayok and Lopburi; 2 roads in Chaiyaphum, Amnartchareon, Nakhon Panom, Chainat and Tak; 3 roads in Chiang Mai and Chanthaburi; 9 roads in Phichit; and 14 roads in Nakhon Sawan). **Additional inquiry, call 1146.**

1.4.3 Public Health Facilities/People's Health:

**There are 177 hospitals affected by flood.** It is estimated that out of 356 people with poor mental health, 70 people have high stress, 125 are depressed, 48 are likely to commit suicide, and 51 requires special care. For the top five of most found flood associated diseases are Athlete's foot, fever, strained muscles, dermatological disease, and stress, respectively.

1.5 **Important assistance provision**

1.5.1 Department of Disaster Prevention and Mitigation reported victim assistance budget ( 5,000 Baht/ family) under the cabinet approval the total amount 174,383 family 871,915,00 Baht. The 104,456 family, 524,280,000 Baht compensation budget was remitted to Government Saving Bank. While the other additional 60,000 families are under investigation to compensate. It is expected to be completed verification by September 21, 2011.

1.5.2 Flood Affected Visit dated 17 September 2011

1) **The Prime Minister (Ms.Yingluck Shinawatra) and concerned agencies** will visit flood affected and provide compensation budget to farmers at Chumsang and Muang District of Nakhon Sawan Province.

2) **The Minister of Defence (Gen Yuthasak Sasiprapa) and concerned agencies** will visit flood affected at Ban Don Tan, Klang Wiang Sub- District, Wiang Sa District of NaN Province.

3) **Minister of Public Health (Mr. Wittaya Buranasiri) and high-level officials** visited the flood affected hospitals in Bang Sai District of Phra Nakhon Si Ayutthaya.

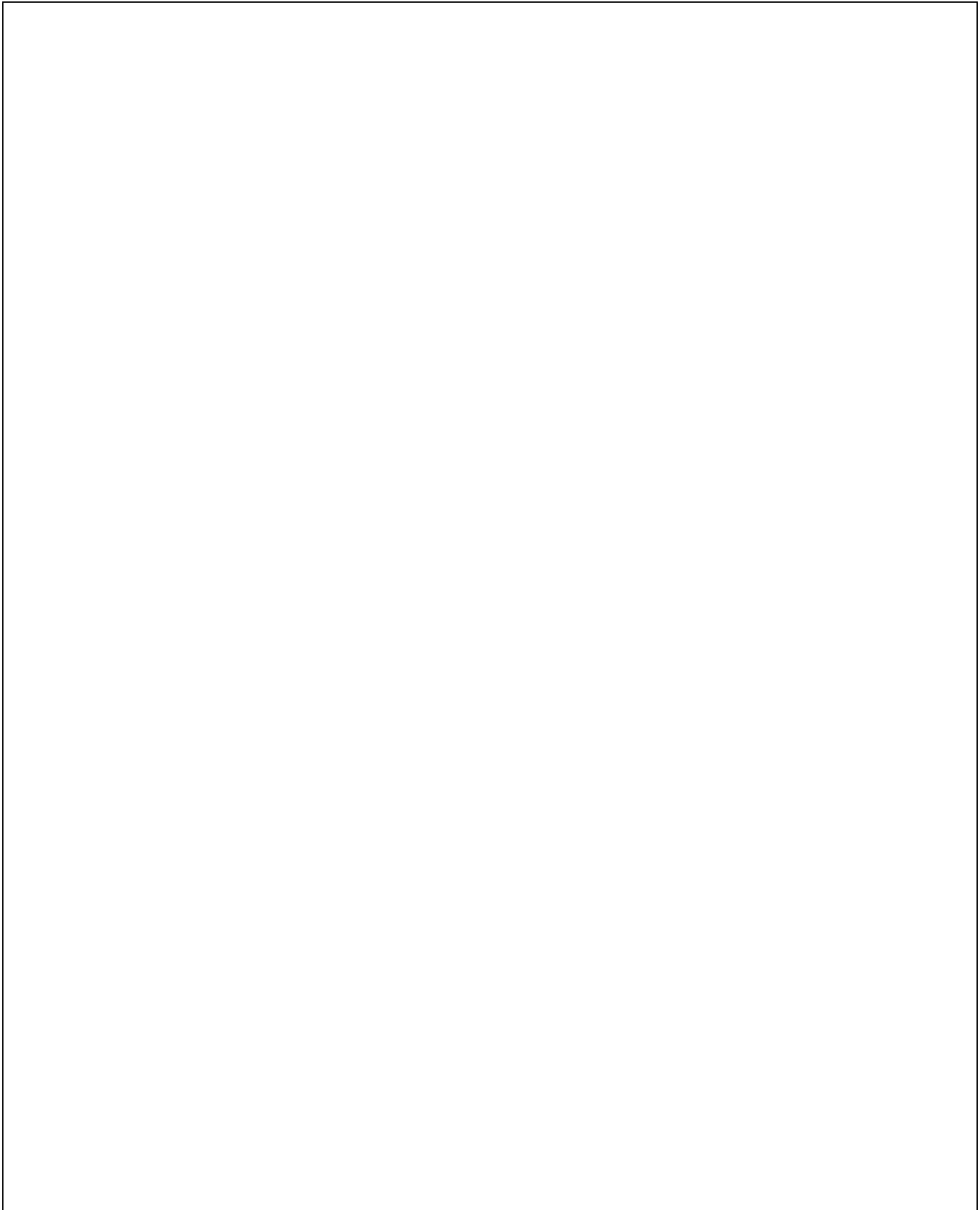
1.5.3 **The Royal Thai Armed Force's Disaster Operation Center** has dispatched officers and tools and equipment to assist affected people in 7 provinces in Central region. HRH Soamsawali has arranged 6,500 survival kits to the victims in Chainat and Phichit Province.

1.5.4 **The Army Disaster Relief Center** dispatched officers, and tools and equipment to assist affected people in 27 provinces in Central, Northeast, and Southern regions.

1.5.5 **The Royal Thai Police** alerted 88 Emergency Operation Task Forces to be ready for providing immediate assistance to the

affected areas in Bangkok. They also have 102 cranes available for support in the riverbank areas.

- 1.5.6 **National Public Relations Department** informed of the current amount of donation fund for flood affected people, 360 million THB. Also, TV Channel 11 is broadcasting special programme for flood affected people assistance daily at 10.00-12.00 hr. For providing information to the media, send to email: [ioc\\_prd@hotmail.com](mailto:ioc_prd@hotmail.com) or [envir11@ovi.com](mailto:envir11@ovi.com), Tel 02 275-5292 and 02 275-6675..
- 1.5.7 **MCOT Public Company Limited** released news and information for public. People would like to inform any update or news, can contact Mr. Wiroj Prakob Phiboon at 08-1424-5347 (TV broadcast), Ms. Patchara Sara Pimpa at 08-1555-8511 (radio network of 100.5 MHz at central network), and Mr. Anusorn Kasemlapas at 08-1881-4033 (radio network at regional stations).
- 1.5.8 **Department of Water Resources** supported the water production and distributed drinking and consumption water.
- 1.5.9 **Emergency Medical Institute of Thailand** dispatched and coordinated with Water EMS Team to transfer victim to Bang Ban Hospital and Volunteer to assist victim.



## 2. SITUATION ASSESSMENT/FORECAST

- **Hydro and Agro Institute** forecasted for the next 12 hours, heavy rainfall in upper northeastern in Nong kai, Bung Kan, Nakhon Panom on dated 18 September. The monsoon trough lies across the lower northern. Keep close watch weather forecast at the central and lower northeastern part for flood.
- **Royal Irrigation Department (RID):** Water situation is still required close watch especially in the lower Chao Phraya Basin. The followings are the water situation overview;

### River Basins

- **Ping Basin:** Inundation remains at Sun Kamphang of Chiang mai Province. Inundation is decreasing in Meuang District of Lumphun Province, while in Bunphotphisai District of Nakhon Sawan Province is decreasing.
- **Yom Basin:** Inundation remains in Si Samrong District of Sukhothai Province, Bang Rakum District of Phitsanulok Province and 3 districts (Sam Ngam, Pho Thale, and Pho Prathap Chang) of Phichit Province.
- **Nan Basin:** Inundation remains at Phitsanulok (Nakhon Thai, and Meuang District). Nakhon Sawan (Chum Sang District) and Phitsanulok (Wang Thong District) is likely to increase.
- **Pasak Basin:** Inundation in Wichian Buri District of Petchabun province is increasing.
- **Eastern River Basin:** Inundation in Muang and Kabinburi District of Prachinburi Province is increasing.
- **Shi Basin:** Inundation is increasing in Chaiyaphum province (Khwa District), Roi-Et province (Jung han Province), Yasothorn Province (Meuang and Maha Chanachai District), and Nong Bua Lumphu Province (Meuang district).
- **Mun Basin:** Inundation is increasing in Nakhon Ratchasima (Choke Chai, and Phimai District), Roi-Et (Suvannabhum district), and Si Saket Province (Payuha, Kantararom and Huay Taptan District). Inundation is decreasing in Ubon Ratchathani (Muang, Trakan Pheutphon, and Dech Udom District),
- **Lower Chao Phraya Basin:** Water level is increasing. Inundation was reported in lowlands of Uthaithani, Chainat, Singburi, Ang Thong, Suphanburi, Phra Nakhon Si Ayutthaya, Pathumthani, and Nonthaburi Province.
- **Mae Khong Basin:** the inundation is reported in Muang District of Udon Thani and Ban Muang District of Sakon Nakorn Province.

### Major Dams

- **Bhumibol Dam** ; it reached 87 Percent of retention capacity.
  - **Sirikit Dam** ; it reached 96 Percent of retention capacity.
  - **Kwae Noi Dam**; it reached 102 Percent of retention capacity.
  - **Pasak Dam**; it reached 95 Percent of retention capacity.
- **Bangkok Metropolitan Administrative (BMA)** The highest water level in the river is 1.68 m. at 20.30 hr. The highest sea level rise is expected on 17 September 2011, at 20.50 hr. No flood threat to BMA is reported. Special attention should be made at the eastern side of BMA, the outer flood prevention areas, including Meenburi, Nong Jok, and Lad Krabang District. In addition, The BMA has been prepared necessary resources for flood prevention and mitigation. For more information, contact 0-2248-5115 or BMA Hotline 1555.

### 3. WARNING AND ADVISORY MESSAGE

- **Royal Irrigation Department** issued flood warning of 13 September at 6.00 p.m. at the lower Chao Praya River. Regarding the heavy rain in the northern part at the ending of Bhumibol Dam in Tak, Kampangetch and Petchabun Province during September 10-11, 2011, it caused water level in Ping River and branches increasing rapidly. It will affected water level in Nakhon Sawan Province to increase to 1 meter higher. Therefore, it is expected the highest releasing level during 19-20 September, 2011 with comparison to 2010 at the rear of Chao Phraya Dam in Chainart, Sing Buri, Ang Thong, Phra Nakorn Si Ayutthaya, Pathumthani and Bangkok for these following period.

### 4. THE 2P2R MEASURES

#### PREPARATION

- In the improved areas from flood, the concerned agencies need to accelerate to survey damage assessment to farmland, fisheries, livestock and budget compensation (5,000 baht per family) together with the infrastructure rehabilitation.
- **The Provincial, District and Local Agencies** will comply with the followings order;
  - Maintain quality of survival kits such as drinking water to keep it away from sunlight
  - Provide victim assistance equitable and fair
  - Accelerate to compensate budget
  - Retrofit sand bag construction according to engineering method to resist flood pressure

#### RESPONSE

- The integrated donation center among concerned agencies at the provincial, district and local level to provide equitable victim assistance and disseminate to the public in order to prevent repetitive distribution survival kits.
- Ministry of Public Health ordered 14 hospitals namely ; Bang Rakum, Tapanhin, Inburi, Singburi, Ang Thong, Uthai Thani, Bang Sai, Bang Ban, Pak Hai, Bang Pa In, Pra Nung Khao, Bang Yai, Bang Krauy, Chao Phraya Yommaraj Hospital, to create sand bag barriers to prevent flooding. Additionally, they require the support from provinces, districts, locals to support them.
- Due to the long term flood in Inburi Hospital in Singburi Province, liquid oxygen for respirator will be run out by 7 days. Patients with respirator need to be transferred to nearby hospital so as to spare the respirators for emergency cases.