

24/7 Emergency Operation Center for Flood, Storms and Landslide

DATE: Monday, November 14, 2011	TIME: 09.00	LOCATION: Disaster Relief Operation Center at Energy Complex
CHAIRPERSON: Mr.Panu Yamsri, Director of Disaster Mitigation Directing Center, DDPM		

1. CURRENT SITUATION

1.1 **Current flooded provinces:** there are 22 recent flooded provinces: **North;** (Nakhon Sawan, and Uthai Thani); **Central** (Chai Nat, Sing Buri, Ang Thong, Phra Nakhon Si Ayutthaya, Lopburi, Saraburi, Suphan Buri, Nakhon Pathom, Pathumthani, Nonthaburi, Samutsakhon, Samut Prakarn and Bangkok) **Northeast** ; (Ubon Ratchathani, Srisaket, Roi-et, and Kalasin); **Eastern** (Chacheongsao, Nakhon Nayok and Prachinburi) The total of 144 Districts, 1,019 Sub-Districts, 7,197 Villages, 1,903,466 families and/or 5,148,327 people are affected by the flood. The total fatalities are 562 deaths and 2 missing. (Missing: 1 in Mae Hong Son, and 1 in Uttaradit)

1.2 **Amount of Rainfall:** The heaviest rainfall in the past 24 hours is in Tung Ta Ko District, Chumporn Province at 135 mm.

1.3 Estimate Losses and Damages:

1.3.1 Agricultural impact : Farming areas which would be affected are estimated at 11,200,000 rai; 231,919 rai of fish/shrimp ponds and over 24.11 million livestock (source: Ministry of Agriculture and Cooperatives).

1.3.2 Transportation Routes :

Highway 62 main highways in 10 provinces are flooded and cannot be passed. For more information, contact 1568 or DDPM Hotline 1784.

Rural roads 190 rural roads in 29 provinces are not passable. Additional inquiry, call 1146.

Expressway Authority of Thailand The EXAT extended expressway fare exemption for 6 routes, namely (1) Kanchanaphisek Express Way (Bang Phli-Suksawas) (2) Buraphawithi Express Way (3) Chalongraj Express Way (4) Sri Ratch Express Way (5) Chalong Ratch Express Way and (6) Chalerm Mahanakorn Express way until 24.00 p.m. of 20 November 2011. For more information, contact EXAT Call Center 1543 24 hrs.

State Railway of Thailand 11 routes affected from floods as the followings;

Northern Routes: (1) Laksi – Dong Mueang; (2) Don Mueang – Rangsit; (3) Rangsit – Chiang Rak and (4) Chaing Rak – Chiang Rak Noi

Southern Route (1) Bang Sue Junction – Bang Bam Ru ; (2) Thon Buri – Taling Chan Junction (3) Taling Chan Junction – Sala Thammasop ; (4) Salaya – Wat Suwan ; (5) Wat Suwan – Ngew Rai ; and (6) Nong Pla Duk Junction – Suphan Buri

Mae Klong Route Bang Bon station – National Housing Authority Station
Additional inquiry Call State Railway of Thailand Information Center 1690, 24 hrs.

The Transport Co.Ltd.

Flood affected provinces caused impassable for parts of routes in Phra Nakorn Si Ayutthaya, Pathumthani and Nonthaburi Province.

Northeast Route (In-Out bound) starts from Bangkok Bus Terminal (Chatuchak) – Sri Ratch Express Way – Ram In Tra Express Way – Lam Luk Ka District, Pathum Thani Province - Nakhon Nayok Province – Ban Na District of Nakhon Nayok Province – Hin Kong District of Saraburi Province – Nakhon Nayok Province – Mittapap Road – Take regular roads.

Northern Routes (In-Out bound in the Morning and Afternoon) starts from Bangkok Bus Terminal (Chatuchak) – Sri Ratch Express Way – Don Mueang Toll Way – Exit at Phaholyothin Road at the Royal Thai Mint Factory – Bang Pa In Grade Separation - Asia Highway and takes regular roads.

Northern Routes (In-Out bound in the Evening and the Night Time) starts from Bangkok Bus Terminal (Chatuchak) – Sri Ratch Express Way – Dao Kanong Express Way – Rama II – Mahachai District – Ban Preaw District of Samutsakorn Province – Nakhon Pathom Province – Suphan Buri Province – Singburi Province – Asia Highway and Take Regular roads.

Southern Routes – Southern Bus Terminal has moved to Holland Beer Garden on Rama 2 road.

For more information, contact 24 HR-Hotline 1490.

1.4 Important Assistance Provision

1.4.1 **The Military** mobilized a wide range of resources to the flood affected areas, including immediate relief provision; search and rescue operation, medical care/mental care service provision; preparation of Big sandbag Barriers at Bang Chan Industrial Estate; propelling of water into the sea especially in Bangkok and nearby areas such as Chaseongsao Province; preparation of aircrafts and vehicles for relief items, patients and evacuees transportation. They also retrofitted flood prevention barriers at Chanturibeksa road started from Vibhavadi Ransit Road – Paholyothin Road – Chantarubeksa Road. Besides, they provided divers to search for submerged machines of Private Companies in Pha Nakorn Si Ayutthaya Province. They assisted in reinforcement of flood prevention wall of 2 risk industrial Estates, Lad Krabang and Bang Chun. The Royal Thai Navy provided food to many temples in Nonthaburi and Bangkok namely; Sunkatan, Thepnaree, Dusitaram, Dowadung, Thepakorn,

Srisudaram, Maiyai Pan and Nai Rong Temple. The military also provided boats and vehicles for transportation in 9 routes namely; 1) Petchkasem 2) Kanjanapisek 3) Rama 7 – Bang Plad Junction 4) Sanam Luang – Buddhamonthon 5) Sapan Khwai Junction – Lak Si – Don Muang 6) Sapan Khwai Junction – Saphan Mai 7) Saphan Khwai Junction – Chokchai 8) Macro Superstore – Watcharapol Road and 9) Lak Si Circle – Saphan Mai

1.4.2 Ministry of Interior

Department of Disaster Prevention and Mitigation assigned Deputy Director General (Mr. Prateep Kiratirheka) to run the joint mission for sand bags production by mobilizing manpower from DDPM Emergency Response Team (ERT) together with DDPM officials (31 people), Territorial Defence Volunteers (50 people) to safeguard the area at all time. DDPM Operation on 13 Nov 2011, they produced additional 310 big sand bags and 80,000 small sand bags for flood fighting activities, provided 110,500 sand bags and 320 cubic meter of sand to many organizations/agencies.

The Department of Provincial Administration received 16,197 petitions from 17 provinces and 16,065 of which have already been solved since 9 October to 13 November 2011. They also dispatched a cadre of the Territorial Defence Volunteers from the non-flood affected province to help flood victims in 7 provinces (Phra Nakhon Si Ayutthaya, Nakhon Sawan, Ang Thong, Pathumthani, Nonthaburi, Nakhon Pathom and Bangkok) and FROC's activities.

1.4.3 Ministry of Natural Resources and Environment

Department of Water Resources (DWR) supported to drain water 7,722,909 cubic meter since Oct 29 – Nov 12, 2011.

Department of Forestry supported officials (482 people), flat boats and trucks to assist victims in Chatuchak, Bang Khane, Don Muang, Bang Plad and Bang Bua Thong.

Department of Marine and Coastal Resources provided 20 boats, 2 large boats and 24 vehicles in the west to assist victims and drain water to Bang Pakong River, Chaeonsao Province.

Department of National Parks, Wildlife and Plant Conservation provided 355 officials to assist 15,958 evacuees in 27 Department's shelters and to evacuate 501 animals.

Office of Aviation for Natural Resources Conservation supported aircrafts for flood protection barriers at Public Water Works and EMIT operation.

Department of Groundwater Resources provided 91,762 liters of drinking water. During 8 Oct – 13 Nov 2011, more than 3.54 million liters of drinking water was distributed in 50 sites in 15 provinces. They also installed water pumps and ground water purification units in 52 sites, including BMA and its vicinity. People can bring their

containers to receive drinking water at the sites. The list of water drinking distribution sites can be obtained at Tel. 02299 3900 or www.dgr.go.th/flood.

1.4.4 **Ministry of Public Health** provided medical supplies, purification machines, flat boats to the victims in affected provinces and BMA.

1.4.5 **Emergency Medical Institute of Thailand** transferred 41 acute and normal patients by aircrafts, boats and vehicles. Additional inquiry call 1669.

2. SITUATION ASSESSMENT/FORECAST

2.1 **Thai Meteorological Department (TMD):** The ridge of active high pressure area from China still extends to upper Thailand and decrease its intensity. Warm weathers are likely in the North, the Northeast, the Central and the East of Thailand. And during 14-18 Nov, another ridge of high pressure area from China will extend to upper Thailand. Isolated to widely light scattered rain and a little drop in temperature is expected during the period. An isolated heavy rainfall is likely in the south, the intensified low pressure from the east of the Philippines will prevail over the Hai Nan Island which less affects to Thailand. It will disappear in the sea after colliding with the cool weather ridge.

2.2 **Royal Irrigation Department (RID):**

- **Water situation in major basins:**

- **The North Basins (Ping, Yom and Nan basin):** Water level in most areas is below the river bank, except in Bang Rakum District of Phitsanulok Province where water level is 0.77 m. above river bank. However, the water level is likely to decrease.
- **The Central Basins (Thachine and Chao Phraya basin):** Water level in the river at Nakhon Sawan, Chainat, and Ang Thong Province are below river bank. But water level is still higher than the river bank in some districts of Phra Nakhon Si Ayutthaya, Singburi, Suphanburi and Nakhonpathom Province. However, the water level in the basins is likely to decrease.
- **Chulalongkorn Watergate, Pathum Thani Province** the water level at Chao Phraya River side is decreasing at 0.65 m. below river bank and of Rangsit Prayulsak at 0.95 m. below river bank. They are likely to decrease.
- **The Northeastern Basins (Mun and Chi basin):** River overflow is reported in many areas, but likely to decrease.

- **Capacity of water pumping and draining of the Lower Chao Phraya Basin:**

- **Total amount of water pumping and draining:** 123.13 m³/day
- **Capacity of water pumping:** Total amount is 42.63 m³/day, in which the eastern side of the river can pump water out at 31.44 m³/day and 11.19 m³/day of the western side of the river.
- **Capacity of water draining:** Total amount is 80.50 m³/day. The eastern side of the river can drain 11.96 m³/day and 68.54 m³/day at the western side of the river.

- **The capacity of Major Dams:**

- **Bhumibol Dam:** it reached 99.0 Percent of retention capacity. 23 million cubic meters received, 26 million cubic meters discharged. The additional retention is 96 million cubic meters.

- **Sirikit Dam:** it reached 99.3 Percent of retention capacity. 13 million cubic meters received, 15 million cubic meters discharged. The additional retention is 44 million cubic meters.
- **Kwae Noi Dam:** it reached 100 Percent of retention capacity. 0.80 million cubic meters received, 0.86 million cubic meters discharged.
- **Pasak Dam:** it reached 128 Percent of retention capacity. 0.74 million cubic meters received, 1.8 million cubic meters discharged.

2.3 Bangkok Metropolitan Administrative (BMA) On 14 November, the highest water level in Chao Phraya River at Pak Khlong Talad Station was 2.16 meters at 07.30 a.m.

- **Flood in Western part of BMA:** Water level of Mahasawas Canal is still high because water runoff from Salaya district of Nakhonpathom Province keeps running to BMA and inundating the Thonburi areas.
- **Flood in Eastern part of BMA:** The overflow in Donmuang and Chatuchak District is still high while the inundation at Bang Sue District remained stable. The removal of big sand bags will affect to BMA inner areas, it is necessary to monitor water level closely. In Sai Mai District and upper Lad Praw Canal (Soi Senanikom, Lad Praw Temple, Soi Lad Praw 56), water level decreased 2-5 c.m.. Another part of the east water level at San Sap, Praves Burirom, Bang Kapi and Klong Tan decreased a little amount.

For more information, contact BMA's EOC at 0-2248-5115 or 24-hr hotline 1555 or visit BMA website at www.bangkok.go.th.

2.4 Hydrographic Department of the Royal Thai Navy: On 14 Nov 2011, high-low tide of the sea can be expected twice. The first round of low-high tide will be at 03.43 a.m. with the lowest at 1.39 m, and the highest at 10.35 a.m. at 2.34 m. The second round will be at 02.57 p.m. with the lowest at 1.98 m. and the highest at 06.54 p.m. at 2.10 m.