



**Asia-Pacific
Economic Cooperation**

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Agenda Item: 10.7

Floods Situation in Central Viet Nam

Purpose: Information
Submitted by: Viet Nam



**11th Emergency Preparedness Working Group
Meeting
Nha Trang, Viet Nam
18-19 February 2017**



APEC VIET NAM 2017
CREATING NEW DYNAMISM, FOSTERING A SHARED FUTURE

**REPORT ON FLOODS SITUATION
IN CENTRAL VIETNAM IN 2016**



Presented: THE STANDING OFFICE,
THE CENTRAL STEERING COMMITTEE FOR NATURAL DISASTER PREVENTION AND CONTROL

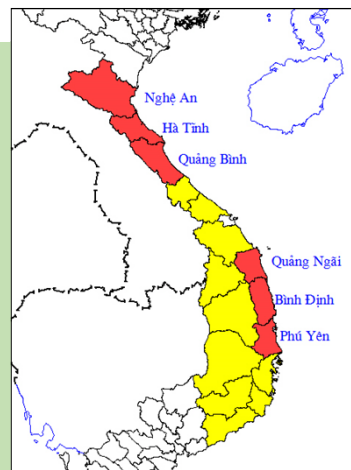
OUTLINE

- I. OVERALL OF SITUATION OF BIG FLOODS
- II. RESPONDING TO 05 BIG FLOODS
- III. DAMAGES
- IV. RECOVERY ACTIVITES
- V. SHORT-TERM SOLUTIONS
- VI. LONG-TERM SOLUTIONS
- VII. NEEDS OF SUPPORT

Ha Noi, 9 Dec 2016

I. OVERALL OF SITUATION OF BIG FLOODS

- From mid Oct. 2016, there have been **5 big floods** (13-18 Oct; 30 Oct to 7Nov; 29 Nov to 04 Dec; 05-09 Dec & 12-18 Dec) in **18 Central provinces** (13 coastal provinces and 5 Highlands ones). In which, **6 seriously affected provinces**: Nghệ An, Hà Tĩnh, Quảng Bình, Quảng Ngãi, Bình Định, Phú Yên
- Total popular rainfall (about 2 months) ranged from **1,500 to 2,500mm (to be equivalent to annully rainfall in one year)** , over 2,500 mm in some places such as Trà My (Quảng Nam) 2,611mm, Minh Long (Quảng Ngãi) 2,729mm, An Hòa (Bình Định) 2,417mm.
- Flooding in the rivers **reached Warning Level 3, some higher than 3, many rivers reached approximately historical level**, such as in Vệ river, Kôn river, Ba river.
- Irrigation and hydropower reservoirs in the region were full of water and had to be discharged at the biggest flow of 10,400m³/s (Sông Ba Hạ Hydropower, Phú Yên province).



- **Severe flooding in all 13 provinces from Nghe An to Binh Thuan**, many roads were separated by flooding and landslides, production stalled, people's lives in the disaster areas were extremely difficult, and serious losses.

II. GOVERNMENT RESPONSE

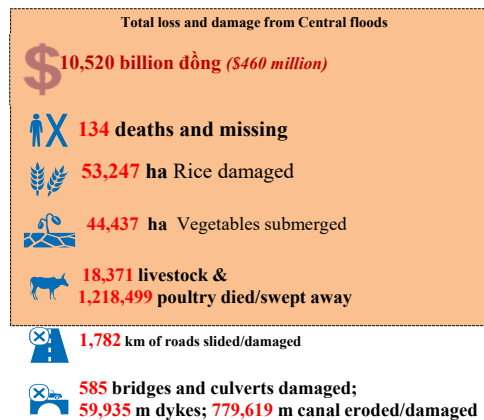
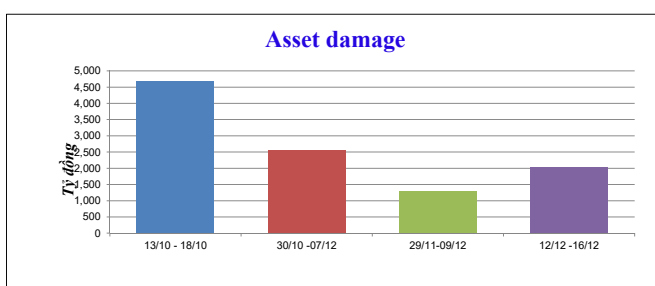
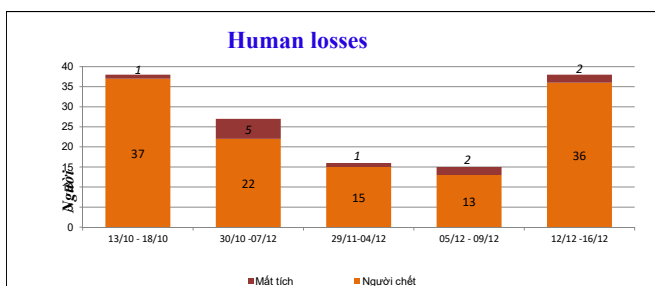
At Central level and Local level

- PM, Vice PM strictly directions, chaired many online meeting and immediately issued Urgent Letters to inform Central provinces and other relevant ministries/related organization on the urgent preventive actions to be taken
- Announcement accurate timely, early warning and forecasted, official notice on the mass media
- Established the Frontline Steering Committee in disaster areas, under the direction of the Vice Prime Minister/ Chairman of Central Steering Committee of NDPC
- Organized online meeting regularly between Ha Noi and Da Nang and Province to ensure timely response to flood's rapid developments.
- 5. Mobilized forces to evacuate, relocate people from areas at risk
Results: urgently evacuated..... households with peoples.



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III. DAMAGES



Total cumulative losses/damages in 2016:

- **253 deaths and missing; 411 people injured**
- **119,574 collapsed/damaged**
- **518.002 ha rice damaged**
- **Total: 39,597 billion đồng (\$1,74 billion)**

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IV. DAMAGE RECOVERY ACTIVITIES

• 1. Emergency responses:

- Support households who have dead and missing people, restore and repair collapsed and damaged houses for stabilising people's life and production.
- Timely support of food, Cloramin B, not leaving people with hunger, being thirsty and preventing disease outbreak. Conduct examination and treatment for people in affected areas.
- Resume to winter-spring crop season: Timely support of seeds and finance to restore production
 - Sanitation, sterilization, disinfection to avoid disease outbreaks.
 - Funding support to repair transportation system, irrigation, essential basic infrastructure for production restoration.
 - Nutrition and livelihood support.

Results: The Govt. urgently supported:

- **400,000 pills of Cloramin B, 1,000,000 pills of Aquatab, 850 medicin sets of prevention and control**
- **2,678 tons of rice; 307 tons of maize seed; 37.7 tons of vegetable seeds of all types;**
- **1,070,000 vaccination doses; 230 tonnes of chemical disinfection; 235,000 litres of of chemical disinfectants of all types for livestock.**
- **660 billion VND emergency cash for essential infrastructure restoration.**

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V. SHORT-TERM SOLUTIONS

- 1. Investigate flood marks, flood identity as basis to update, make and adjust plans to build infrastructure for response to disasters.
- 2. Ensure the supply of essential goods for daily life of affected people, preventing increased prices of essential commodities, especially during Tet holidays.
- 3. Calling for support from domestic and international organizations and individuals to help people in affected areas. Assign focal recipients, equitable and transparent distribution, avoiding complaints and inquiries from people.
- 4. Compliment organizations and individuals for their active participation and effective contribution to recent flood responses.

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VI. LONG TERM SOLUTIONS

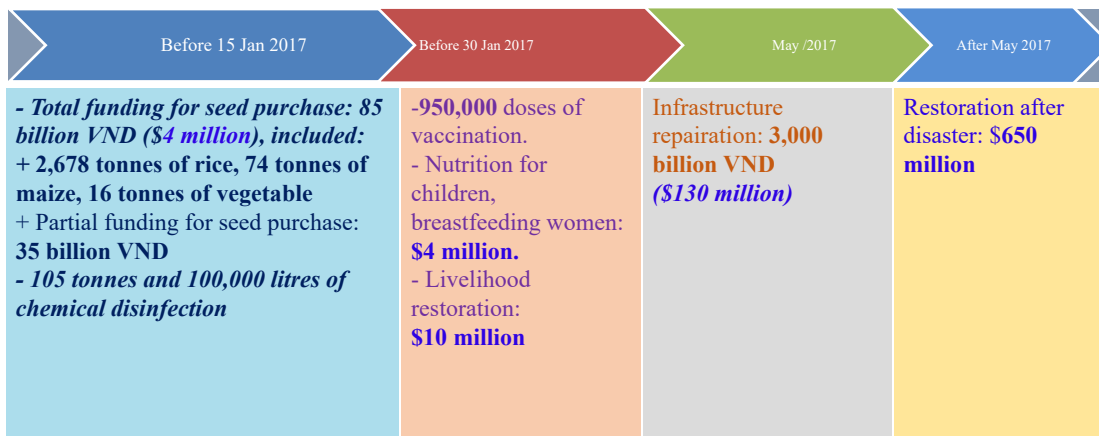
- 1. Develop a master program on disaster prevention and control for Central region:
 - - Conducting comprehensive research and assessment of natural disaster situation in the Central Region.
 - - Identify causes and propose comprehensive solutions for active response and adaptation.
 - Reservoir safety, expansion of flood receding lines, restoring forest development
- 2. Inspect and fix inappropriate transportation works which impede drainage and affect residential safety, actively expanding the aperture for bridges and culverts to ensure drainage of floods, preventing increasingly serious flooding situation because of traffic works.
- 3. Review facilities and equipments for S&R services, further investment into planned procurement, in which focusing on categories of rescue vehicles which are suitable to characteristics of each region and on the rescue vehicles on spot to equip at grassroot level.
- 4. Review plannings: (i) planning of flooded residential areas; (ii) operating procedures of reservoirs and inter-reservoirs for coherent operation,(iii) all the reservoirs and actively making concrete plans and roadmap to repair and upgrade, in order to ensure safety and avoid dam break.
- 7. Enhance capacity for NDPC and S&C forces at all levels, following "4 spots" motto.
- 8. Enhance communication, dissemination and public awareness raising of individuals and businesses on actively plan how to make natural disaster prevention and control.

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VII

NEEDS OF SUPPORT

EMERGENCY AND RESTORATION ASSISTANCE NEEDS AFTER DISASTER



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Thank you for your attention!