

Floods in Jakarta



Health Sector Coordination

07 February 2007

MOH

In cooperation with WHO

Back Ground

Type of Emergency

- Floods, triggered by heavy seasonal rain.

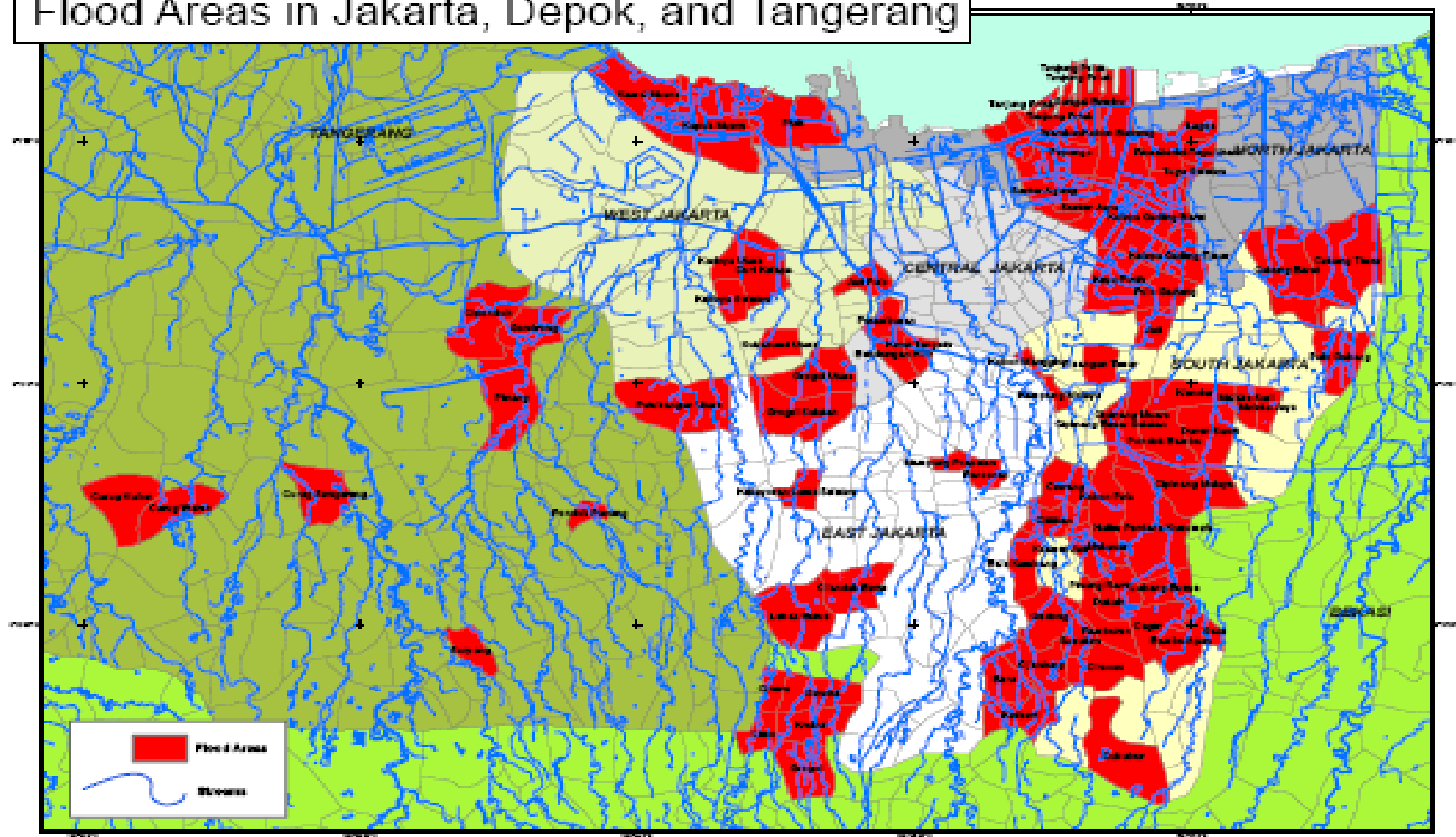
Background

- 40 % of Jakarta is located under the sea level.
- Jakarta is prone to flood due to poor drainage.
- Experience major flood in 2002.
- On Tuesday, 23 January 2007, 150 mm heavy rains down poured Bogor, Depok and southern parts of Jakarta since caused Ciliwung River and Pesanggrahan River to overflow. More than 70,000 houses in Jakarta, Tangerang and Bekasi were flooded. The water level ranged from 10 centimeters to 5 meters.



Map of Flooded Areas

Flood Areas in Jakarta, Depok, and Tangerang



Current Situation

Electricity

- The state-owned power firm PT PLN was forced to shutdown some power plants in Jakarta and Tangerang because of the floods.
- Electricity was cut to more than 22,000 subscribers in downtown Jakarta.

Energy

- Disrupted the distribution of fuel and basic commodities.
- Many markets closed.
- Food in markets shortage.

Communication

- Water submerged hundreds of base transceiver stations in JABODETABEK (Jakarta-Bogor-Depok-Tangerang-Bekasi).
- Line phones and mobile phones disrupted in many areas.
- Airport is open for International and domestic flights and tour way is open but limitation in reaching it due road affected by flood.

Water Supply

- Supply of clean water, as tap water, has been cut off in many areas.
- In some areas, flood victims have been in need of food, clothes, and alternate accommodations, while in others flood victims remained trapped in their houses.

Current Situation

Transportation

- Availability of transportation vehicles has restricted food distribution to a number of flood hit areas.
- Public transportation, bus, taxi and railways paralyzed in many areas.
- Workforce in Ministries and organizations affected as staff can not travel from one place to another even from non-flooded areas.
- Several main roads leading to Jakarta are blocked.
- Many vehicles affected by flooded roads.

Administration and Finance

- Many government, organizations and private sector day to day work was interrupted as staff can not come.
- Many Banks and its branches affected. ATM not working in many areas.

Water level

- As the water level in 5 out of 14 Cluice gates has reached alert level 1, water gates were released causing more flood in other parts of the cities.

Infrastructures

- Many houses, government and private sector buildings affected.

Health facilities

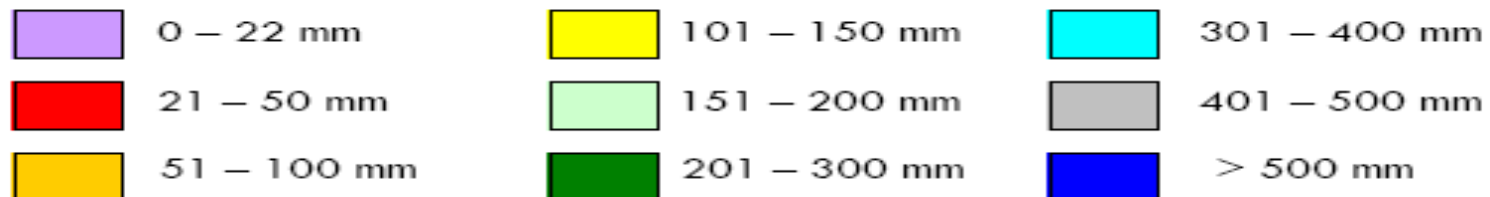
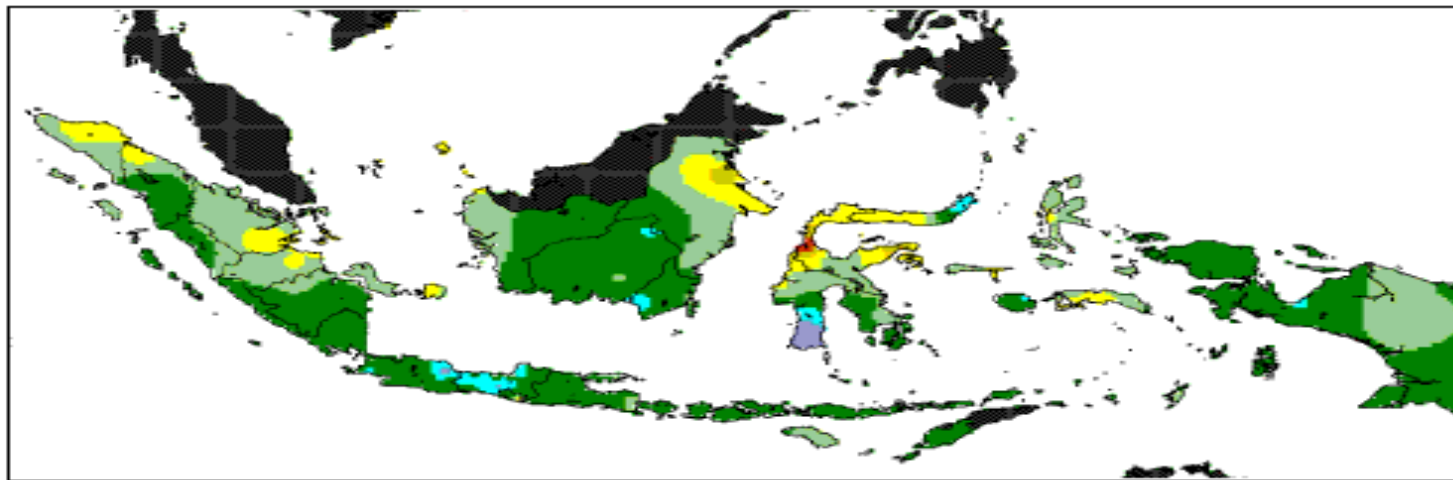
- Patients crowded in most of the health facilities both government and private due to seasonal diseases such as Influenza, Respiratory tract infection, diarrhoea, DHF and flood related injuries.

Water levels

No	Sluice Gate	Normal (cm)	Current (cm)	Status
1	Katu Lampa	80	100	Normal
2	Depok	200	265	Alert 3
3	Manggarai	750	950	Alert 2
4	Pesanggrahan	150	160	Alert 3
5	Krukut Hulu	150	110	Alert 3
6	Angke Hulu	150	310	Alert 1
7	Waduk Pluit	170	90	Normal
8	Sunter Hulu	140	90	Normal
9	Sunter Selatan	100	260	Alert 1
10	Sunter Utara	170	155	Alert 1
11	Cipinang Hulu	80	145	Normal
12	Pasar Ikan	100	155	Alert 2
13	Karet	440	710	Alert 1
14	Pulogadung	550	785	Alert 1

Weather Forecast

- Within this week, as reported by local media, BMG informed that heavy rain would continue until the next few days in the areas of Jakarta – Bogor – Depok – Tangerang – Bekasi (JABODETABEK). There are also possibilities of landslides in some areas due to heavy rains.



Casualties and Damage

Health Sector

Updated on 07.02.2007

- Death: 50
- IDPs: 420,440
- Patients: 33,812
- Referred patients: 43
- Household: 73,236
- Health facilities:
 - 48 Puskesmas (Health Center)
 - 1 Pustu (Sub Health Center)



Casualty and Damage

No	Province	District	Death	Missing	Health Care		IDPs	Damedged Health Facilities
					Patient**	Referred		
1	DKI Jakarta	Central Jakarta	3	*	11,193	3	99,825	*
2		East Jakarta	16	*	10,371	3	40,070	14
3		West Jakarta	7	*	688	*	44,478	14
4		North Jakarta	7	*	*	*	38,678	13
5		South Jakarta	*	*	1,748	*	110,120	7
6	Banten	Tangerang	11	*	*	*	39,402	1
7	West Java	Bekasi, Bogor, Depok	6	*	4,367	3	39,396	*
Total			50	*	28,367	9	420,440	49

Government Response

Early warning systems

- . Sirens and loud speakers prepared to ensure that community is aware of and prepare for the upcoming situation.
- Closely monitoring water levels in Sluice gates.

Political support

2 February 2007, President Susilo Bambang Yudhoyono and Ministers visited Kampung Melayu, East Jakarta.

Rescue and relief operation

- Satlak PB, associated institutions and communities continued the evacuate flood victims.
- Deployment of 284 rubber boats from Satkorlak DKI Jakarta, TNI, POLRI, PMI, SAR and BAKORNAS PB to some locations in Jakarta, Bekasi and Tangerang.
- Mobilize 713 vehicles to distribute logistics
- Utilization of 4 units of BO-105 helicopter (assistance provided by Bakornas PB) for monitoring. On 4 February, 1,100 portions of ready to eat food and 200 kilogram of biscuits were distributed.
- GOI deployed 41,045 staff to assist the floods emergency responses.

Government Response

Food supply

4 February, 1,100 portions of ready to eat food and 200 kilogram of biscuits were distributed.

Safe water supply

Set up 264 water pumps in 52 locations.

Relocation sites for IDPs

- Set up 158 shelter tents and 242 public kitchens in relocation sites.

Government Response

- Department of Social provided sarongs, blankets, instant noodles, women dresses, T shirts, long materials (for women), uniforms, baby clothing, family kits, water trucks, food supplies, stand by trained personnel (TAGANA) from East Java, Central Java, South Sumatera, North Sumatera Provinces (SAR, logistic, crisis centre, etc).
- Indonesia Airforce Military assistances: personnel for evacuation. Established field health team (three locations in Halim Perdanakusumah) and two units of public kitchens, stand by to deliver goods or logistic items to emergency shelters.

International Donor Support

- Government of Australia provided assistances valued \$50,000 in form of ready to eat food and its distributions that cooperated with PMI at national level.
- Government of France cooperated with international communities prepared to assist on clean water to DKI Jakarta areas.

Health Sector Response

MOH in cooperation with WHO and partner agencies

- Minister for Health and team visited affected areas on 4 February 2007.
- Daily assessment done through health out posts.
- MOH provides free health services through health centers, district hospitals and referral hospitals to the flood victims.
- District Health Office deployed 586 doctors in 324 Community Health Posts (Puskesmas) and 240 ambulances (medicines in all Community Health Post were sufficient). Additional 100 doctors and 150 nurses were deployed to health posts. MOH established at least one health post for each 120 evacuation sites.
- Crisis Center MOH deployed 33 medical teams with ambulances rubber boats, medicines, doctors, nurses to the worst affected areas. Please see attached list.
- Sent 22 tones baby foods, 500 boxes of instant noodles, 1,000 meal box.
- Mobilized 30 units rubber boats.
- Medicines and baby foods were sent to all evacuation sites.
- Early surveillance and disease outbreak control initiated.
- 3 Water purification machines provide safe drinking water for affected communities in a rotation basis.

Health Sector Response

MOH in cooperation with WHO and partner agencies

District Health Office deployed 586 doctors in 324 Community Health Posts (Puskesmas).

Additional 100 doctors and 150 nurses were deployed to health posts.

240 ambulances mobilized.

Medicines in all Community Health Post were sufficient for the present moment.

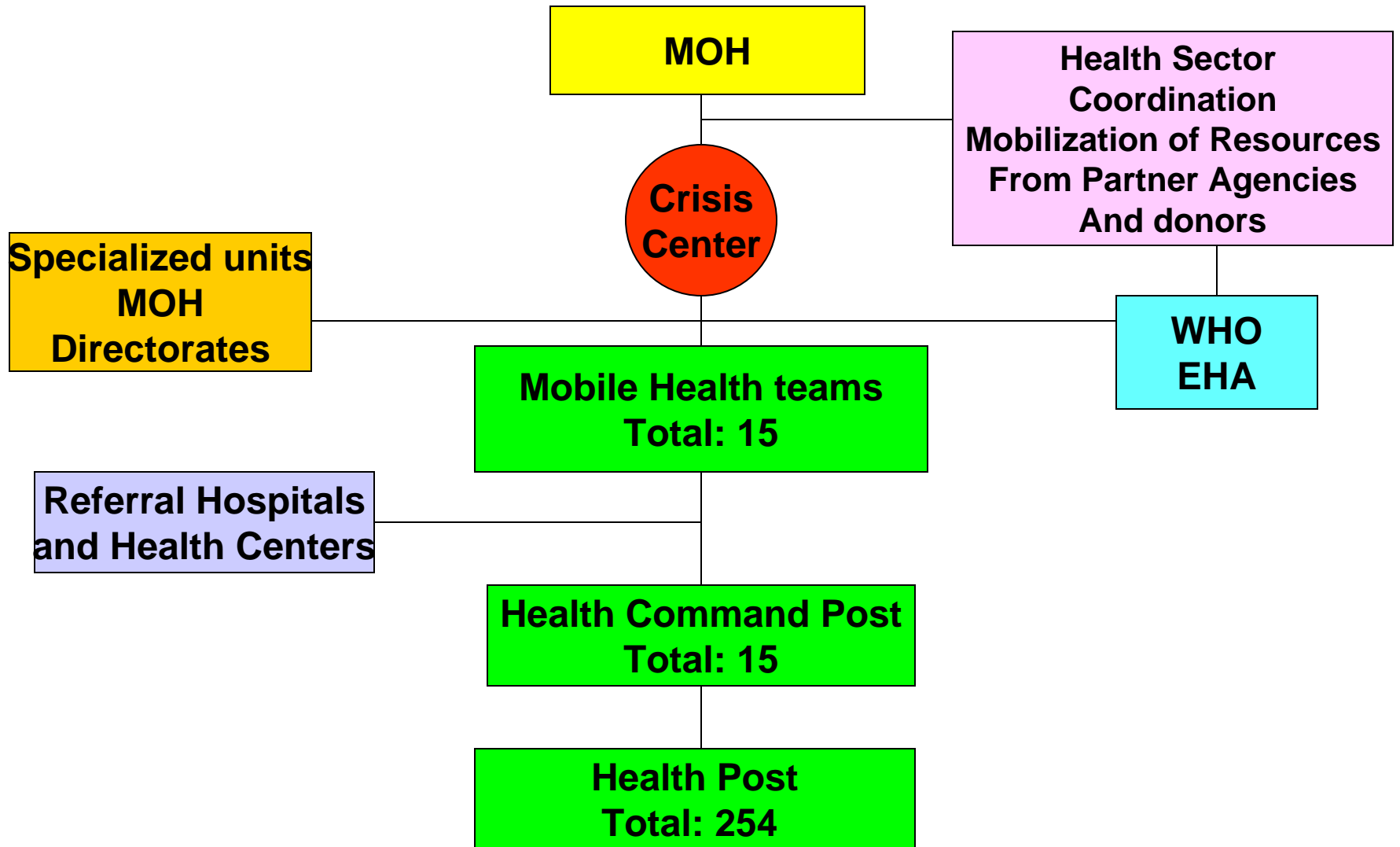
Additional 100 doctors and 150 nurses were deployed to health posts.

Health Sector Response

MOH in cooperation with WHO and partner agencies

- Private companies provided medicines, food, hygiene kits, clothing, shelters and transportation vehicles.
- PMI assisted 10 family sized tents, 2 big tents, 20 lives vests and provided food assistances.
- WHO has provided 20 New Emergency Health Kits (Basic units), 2 diarrhea kits, 5 four-wheel drive vehicles, tent, boots and 2 engine operated boats. In the process of ordering immunoglobulin, for prevention of tetanus.
- W HO and MOH plan for follow up assessment.
- 10:00 on 7 February 2007, MOH in cooperation with WHO organized first Health Sector Coordination Meeting at MOH to update situation, identified needs, gaps and to mobilize resources among different stakeholders and donors.

Operational Plan



Health Sector Needs

Emergency Needs for Health Sector

No	Category	Item	
1	Transportation	Fire boates with engine Fire boates Ruber boats with engine Ruber boats 4 wheel drive vehicles Light trucks Car tire tubes Tents	
2	Power	Generators Rechargable lights Candles	
3	Communication	Public address system Radio receivers Radio hand sets IEC materials	
4	Houshold	Hygene kits Kitchen kits Tarpolin sheets Blankets	

Health Sector Needs

Emergency Needs for Health Sector

No	Category	Item	
5	Water and sanitation	Water purification mobile equipments Water purification tablets Water quality test kits Mobile laterines	
6	Food	High protein and vitamin and minieral nutritious supplementary food	
7	Medicines	Ceprofloxacillin	
8	Immunization	TT, Igm 250 IU Influenza vaccine Measles vaccines Typhoid vaccine	
9	Operation cost	To conduct activities	

Thank You for Your Cooperation

