

WHO Conference on Health Aspects of Tsunami Disaster in Asia

**Phuket, Thailand
4–6 May 2005**



**World Health
Organization**

Emergency Preparedness & Response

SriLankan Situation

On

Logistics, Information Technology &

Telecommunications



Health consequences of emergency

Emergency leading to

- Mass casualty
- Potential Communicable Disease outbreaks



Health Delivery Challenges

- Pre hospital & Hospital Care
- Early warning system for disease outbreaks & Disease Control Measures.
- Essential supply, communication & mobility needs.
- Restoration & rehabilitation of health facilities.



Areas need strengthening

- **Pre hospital care**
- **Sector coordination**
- **Surveillance and control of disease outbreaks**
- **Emergency early warning system**
- **Capacity building on disaster management**



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Issues on IT/TC in disaster

- Telecommunication system failure
- Issues of IT architecture
 - Lack of connectivity/ networking
 - Lack of Hardware/ software



Counteracting telecommunication system failures in disasters

- Use of modern technology
 - satellite telephones in strategic points
- Availability of VHF/UHF systems
- Use of existing control rooms with radio communication facilities
 - example: police control rooms
- Establishment of an emergency operation room



Applications of IT in disaster

‘Well-designed IT architecture including hardware/ software and connectivity’

- E- health
- Emergency early warning system
- Disease surveillance system
- Supply chain management system



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Thanks for your attention



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