

WHO Conference on Health Aspects of Tsunami Disaster in Asia

**Phuket, Thailand
4–6 May 2005**



**World Health
Organization**

2.8 Water and Sanitation

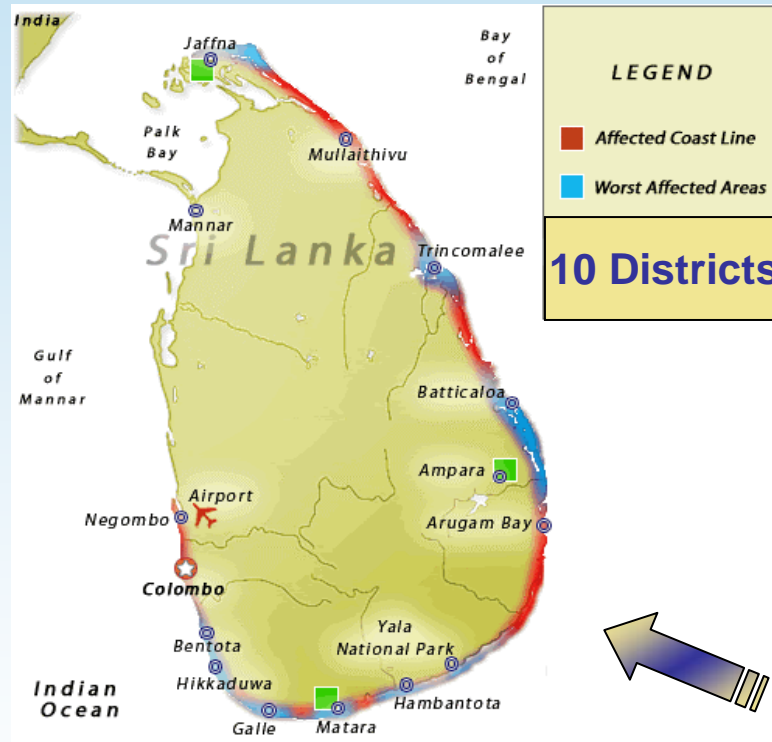
Sri Lankan Experience

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Areas Affected



Magnitude of the Damage

- 550,000 were affected
- 30,000 deaths
- Around 1000 IDP Camps
- 50,000 service connections destroyed in 10 major wss
- Contamination of 40,000 shallow wells



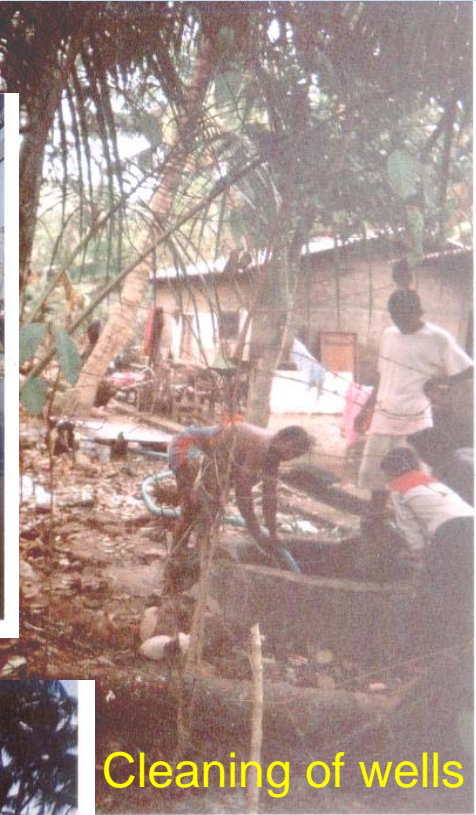




Flushing of wells



Repaired transmission



Cleaning of wells



Damaged distributions



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Water Supply

- **Immediate Needs:**
 - Formalize water supply at IDP camps (facilities available & Supplementary)
 - Asses and repair the damages to head-works of pipe borne wss
 - Accurate assessment of drinking water requirement in IDP camps
 - Arrange additional supply
 - Storage at camps
 - Cleaning of shallow wells
 - awareness



Sanitation

- **Challenges faced:**
 - Inadequate toilets in IDP camps
 - De-sludging of filled pits in camps
 - O&M of common toilets
 - Repairs & reconstruction of toilets where houses are partially damaged
 - Behavioral changes required
 - Environmental threat due to damaged pits



What was good ?

- Initial public intervention (volunteers !)
- Institutional links already existed within the sector
- Quick response through decentralized institutional arrangement
- Establishing a Central Coordination Unit (CNO)
- Carrying out of a *RAPID TECHNICAL NEED ASSESSMENT* for medium & long-term planning



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Shortcomings Observed

- Absence of an emergency plan
- External Assistance:
 - Predetermined assistance
 - No specific focal area
 - Duplication of works
 - Lack of needed assistance
 - Few software assistance



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Shortcomings *(contd.)*

- Difficulties in Planning due to no firm commitments
- Ineffective & inappropriate investments
- Inappropriate timing
- Lack of knowledge about NGO capacities
- Lack of accountability



Plans Ahead

- **3 PHASES**
 - Immediate relief
 - Restoration of need for settlements
 - Expansion to enhance service level

- **Major Concerns**
 - Water resources
 - Fast implementation



THE END

