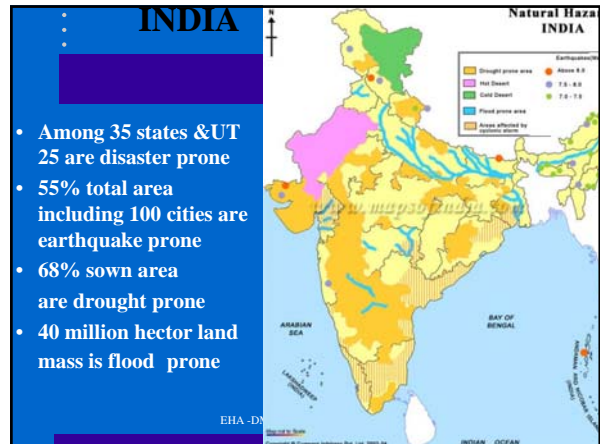


Regional Consultation of SEAR Member Countries on Keeping Health Facilities Safe from Disasters

New Delhi, India
15-17 April 2008

Roy K Alex , Emmanuel Hospital Association , INDIA

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Disaster & Disease Morbidity

- Dual Burden of diseases
 - Communicable or infectious diseases.
 - TB (400,000 deaths each year from 7.1 million patients)
 - Malaria(Chloroquin resistant Falciparum Malaria , 2 million cases each year .
 - HIV-AIDS (51/100,000 and expected to rise 190 at 2015 .
 - Non-communicable disease
 - Cardio-vascular disease (35 million are affected)
 - Diabetes
 - Cancers (670,000 die each year Oral , cervical , breast and lung cancers are common)
 - Injuries (17 million hospital admission due to accidents)

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Poor are more vulnerable

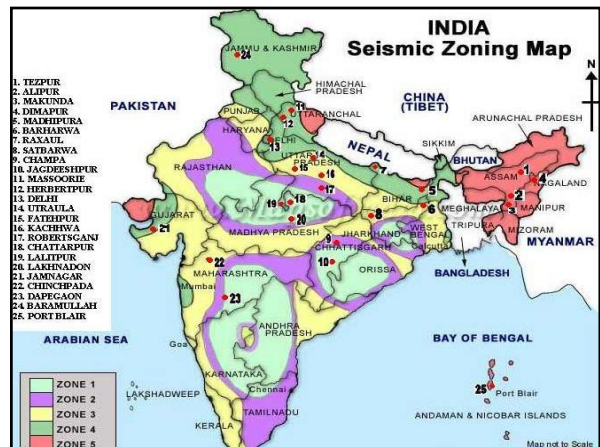
- Poor and marginal communities (lower caste , women , children , old , disabled) usually hit hardest by the disaster .
- They are more likely to occupy dangerous , less desirable risk areas such as flood prone river banks , costal areas , steep slopes, and reclaimed lands .
- Numerous socio economic and dynamic pressures contribute the vulnerability of poor .
- In India nearly 50 million people lives below the poverty line (less than \$1 / day)

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Emmanuel Hospital Association at a glance

- 21 hospitals private non profit hospitals , 30 community based projects and 3 schools.
- Work in 15 States of North, Central and North-east India.
- 1560 staff: Doctors – 176, Nurses – 700
- Provides curative services for 608,830 people every year.
- 20,000 surgical interventions carried out each year
- EHA is also part of wider net work group of nearly 300 non profit hospitals and also sphere India a coalition of 30 INGOS and UN and Government of India .

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Health disparities and vulnerability

- Geographic disparities (North & North Eastern India' states health status is very poor and these locations are identified as most disaster prone areas)
- Gender disparities
- Caste disparities (ST , SC)
- Socio - economic status and income disparities

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Patient Transportation

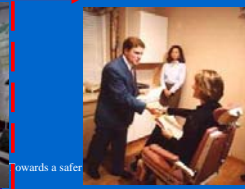


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Medical Emergency Services



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Voices of the poor

For us the poor our "body" is our only asset and so health is vital to our survival. If we don't work we don't eat, our children starve



The poor are aware that good health is important to them. Unlike what we think it is the high costs and geographic inaccessibility that prevents them from seeking medical help in time

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Voices of the poor

Disease or Injury can result in loss of income . The high cost of treatment makes us further poor. When my husband injured himself, we were forced to sell our cattle. In desperation he committed suicide and I am left with nothing.



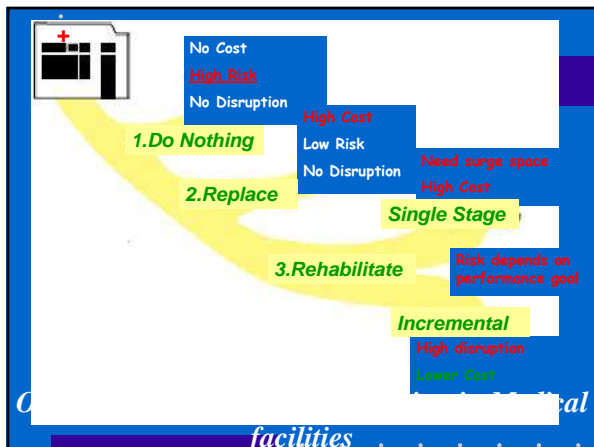
Distress sales of assets is the most common method that the poor adopt to pay hospitalization bills

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Voices of the poor

Access to affordable, quality medical treatment is our silent cry. We wish we did not have to go such a long way and spend so much money.

For many poor people, the financial, travel and time costs of accessing good medical care make it unaffordable

Resources required

- Duncan - Raxaul - total investment required – INR 120000000 (\$ 3500000)
- Loan taken INR 50000000, @ 9.5% interest
Any lower interest loan will be useful - they could use this amount to pay off the current loan and then pay back based on the new interest rates

Herbertpur - Urgently Required Rs 20000000 crores

Landour Mussoori – Replace single stage - INR 40000000 (\$ 1150000) invested and completed the new structure .

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Concerns

- Many of EHA's hospitals and other partner network hospitals are in areas of high earthquake hazard
- Structural vulnerability of buildings & inventory unknown
- Building systems, equipment and furnishings not braced or fastened and could be damaged by moderate shaking

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A Place to Start

An idea for how to start addressing risk:

- Start with few hospitals in highest hazard zones
- Determine falling hazards and begin anchoring building systems, equipment and furnishings
- Assess structural vulnerability of buildings
- Take appropriate steps to manage risks posed by building vulnerability
- Train medical personals , community health workers , social workers .

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- Thanks

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