

Hazard, risk and vulnerability

No time to waste...

What is HAZARD?

- Hazard is a natural occurrence or a human induced process, event or phenomenon capable of causing loss



HAZARDS TO...

- People

- Death, injury, disease, stress

- Goods

- Property damage, economic loss

- Environment

- Flora and fauna, pollution, loss of amenities

What is RISK?

- The chance of something happening that will impact life, property and environment
 - Measured in terms of likelihood and consequences.
- Source of risk
- Element of risk

What is VULNERABILITY?

- The extent to which a person (s) is/are likely to be affected by the HAZARD
- The strength of the physical structure in standing up to the HAZARD.



DISASTER =

HAZARD X VULNERABILITY



DISASTER

Results from the impact of hazard occurrence on man made structure, componenets and systems, which are weak.



Features of Disaster :

- Disruption to normal pattern of life
- Human effects such as loss of life and property
- Effects of social structure
- Community needs such as shelter, food, clothing, medical assistance, etc. are affected

CAUSAL FACTORS OF DISASTER

- **Poverty**
- **Population growth**
- **Rapid urbanization**
- **Moving from non-industrialized to industrialized society**
- **Environmental degradation**
- **Lack of awareness**

EFFECTS OF DISASTER

- Loss of life, Injury**
- Damage to and destruction of property, cash crops etc.**
- Disruption of production**
- Disruption of life style**
- Disruption of essential services**
- Damage to national infrastructure**
- Sociological and Psychological after effects**



Physical Effects

Water

Electricity

Buildings

Communication

Sewerage facilities

Community facilities

Environment



Psychological Effects

Shock

Anger

Fear

Helplessness



Psychological Effects

Sadness

Anxiety

Depression

Trauma