

# Presentation on Overview of Uses of ICT in Disaster Risk Management

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**BANGLADESH**

# ICT in Bangladesh

## Foreword

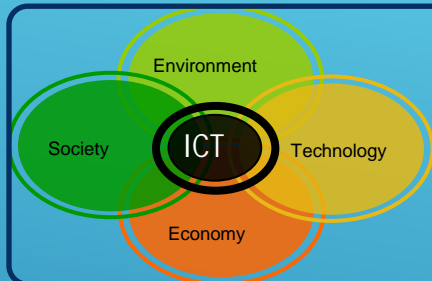
- ❖ Election Pledge; Vision 2021: Digital Bangladesh
- ❖ Government committed for inclusive uses of ICT
- ❖ ICT for unlocking tremendous social and economic benefit
- ❖ Enabling ICT Environment



## Achievements

- ❖ Hi-tech Parks, Software Technology Parks and ICT Incubators are being established .
- ❖ Established infrastructures promote ICT uses
- ❖ ICT rollout in business areas as well as in human resource development

# ICT in Bangladesh



➤ National ICT infrastructure development to bridge the digital divide through establishing high speed fibre optic connectivity to the grass-root level



➤ E-services link to District, Upazilla e-center and UDC, it facilitates digital inclusion and also enhances online service penetration to root-level



➤ Quick Wins have promoted for improving public service delivery mechanism as e-services. 400+ Quick wins already introduced

# ICT in Bangladesh



➤ A total of 9551 computer labs already established. This initiative reduced computer/technology divide in Bangladesh



➤ 2000 highly specialized IT labs establishment is underway by **Directorate of ICT**, including 64 will be IT based language labs. 9 international languages taught



➤ National Data Center (tier-3 & 4) are already established

# ICT STATISTICS IN BANGLADESH

Population (2014 estimate)	Internet users (2000)	Internet users ( 30 june 2014)	Internet penetration (% of population)	% of users in Asia or Oceania region	Facebook 31-Dec-2012
166,280,712	100,000	40,800,000	24.5%	2.9	3,352,680

Source: Internet World Stats

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# National ICT Policies Addressing Disaster Management

## Strategic Objectives

- Protect citizens from natural disasters through ICT-based disaster warning and management technologies
- Promote efficient relief management and post-disaster activities monitoring

## Activities

Utilize remote sensing technologies for disaster management and mitigations

Promote cell phone/SMS-based disaster warning systems targeted to the population likely to be affected

Utilize Geographic Information System (GIS)-based systems to monitor flood and cyclone shelters (including equitable distribution in vulnerable areas)

Utilize Geographic Information System (GIS)-based systems to ensure equitable distribution of relief goods with special focus on the hard-to-reach area



# Disaster Management in Bangladesh

- ❖ Space Research and Remote Sensing Organization (SPARRSO) are playing important roles through collecting remote sensing data
- ❖ Bangladesh Meteorological Department actively controls the relevant information regarding weather forecasting and disaster warning as well
- ❖ Department of Disaster Management Program namely “Comprehensive Disaster Management Program (CDMP)” took an initiative for earthquake hazard and risk assessment of three major cities (Dhaka, Chittagong and Sylhet) in Bangladesh.
- ❖ CDMP makes available cyclone shelter database information online
- ❖ In Bangladesh, the Disaster Management Information Centre is being piloted early warning dissemination through Cell Broadcast in two districts- Sirajgonj (for flood) and Cox's Bazaar (for cyclones).

# Disaster Management in Bangladesh

- ❖ SPARRSO developed a spatial databases for the landslide assessment for the towns of Rangamati, Bandarban and Khagrachari through GPS (Global Positioning System) survey. A base map was prepared using GIS technology
- ❖ Institute of Water Modelling introduces flood forecasting system and doing advanced researches as well
- ❖ Survey of Bangladesh already done an aircraft imaging survey for various environmental issues by 2012

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_4330](https://www.yunbaogao.cn/report/index/report?reportId=5_4330)

