



Experiences and Progress of Bangladesh to Address Climate-Related Disasters

Background

- Bangladesh is considered as one of the most climate-vulnerable countries in the world, while its contribution to global warming is negligible.
- According to the Global Climate Risk Index 2021 Bangladesh is **ranked 7th** among the countries affected most due to climate change.
- It is projected that Bangladesh could suffer annual losses of up to **9%** of its economy by the end of this century.
- Without changes to current global behavior, Bangladesh would see annual economic costs equivalent to **2% of its GDP by 2050**, widening to **9.4% by 2100**.
- Studies show that for a 1-meter of sea-level rise, about **1.5 million** coastal people will be displaced. The number of displaced- people will rise to **2.8 million** in case of a 2-meter rise, and to **5.4 million** in the event of a 3-meter rise.

Major Climatic Disasters of Bangladesh



Erratic Rainfall



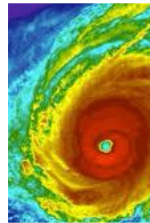
Flood



Landslide



Drought



Cyclones, Tropical Storms and Storm Surges



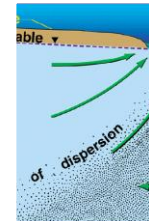
Heat Wave, Cold Wave and Dense Fog



Sea Level Rise



Riverbank & Coastal Erosion



Salinity Intrusion

Major Initiatives Undertaken by Bangladesh

Policy Response

- **Disaster Management Act, 2012**
- **National Disaster Management Policy, 2015**
- **National Plan for Disaster Management (2016-2020)**
- **Standing Orders** on Disasters
- Formulation of **Bangladesh Climate Change Strategy and Action Plan (BCCSAP)** in 2009.
- Establishment of Bangladesh **Bangladesh Climate Change Trust Fund (BCCTF)** 2010
- **Formulation and Advancement of the National Adaptation Plan (NAP) Process in Bangladesh** to facilitate the integration of CCA

Major Initiatives....Contd.

Actions/Initiatives

- Institutionalization and establishment of **Early warning system** and disaster preparedness in Bangladesh.
- **Train climate vulnerable women** to educate them from climatic hazards.
- **550 'Mujib Killa'** (a specially designed raised land) have been constructed for shelter for the livestock in coastal regions during the cyclone/tidal surge.
- **4291 cyclone shelters** have been constructed all over the coast.
- **523 flood shelters** have been constructed.
- **56,000 volunteers** are engaged for disaster risk reduction under Cyclone Preparedness Programme (CPP)

Use of Technologies to Enhance Preparedness

- Bangladesh has launched its first satellite **Bangabandhu Satellite-1 on 12 May 2018**. This space-based technology will be strengthened preparedness for climate related disasters in Bangladesh.
- **Established Flood Forecasting & Warning Centre (FFWC)** to generates and provides flood forecast and warning information.
- **Eighteen (18) Community Radio (FM) Network** has been established for enhancing early warning system.
- Developed **Real-time Digital Weather Information** through mobile app





THANK YOU