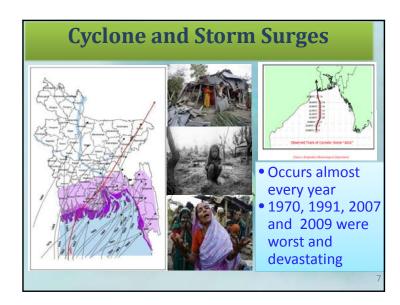
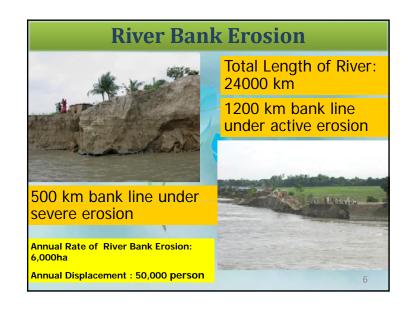
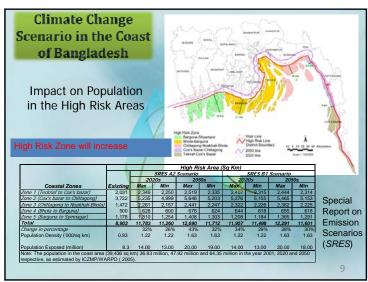


Dam	Damages from Major devastating floods										
Flood	Return period	Asset losses (million		Affected	('000 sq	Houses damage	current (million	Asset losses as %			
Event	(years)	US\$)	Fatalities	(million)	km)	d ('000s)	US\$)	GDP			
1998	90	2128	918	31	100	2647	44092	4.80%			
1988	55	1424	2379	47	90	2880	26034	5.50%			
2007	40	1067	1100	16	70	1085	68228	1.6%			
1987	13	1167	1657	30	57	989	23969	4.90%			
2004	12	1860	285	33	56	895	55900	3.30%			
1974	9	936	28700	30	53	-	12459	7.50%			
1984	2	378	1200	30	_	_	19258	2.00%			
5											





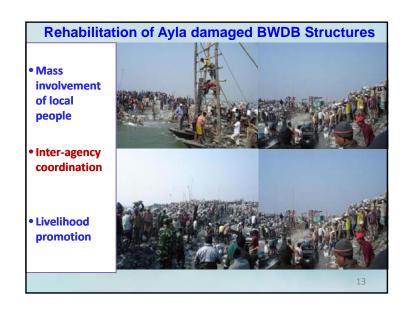
Historical Cyclone Damage								
Date and Year	Maximum Wind speed (km/hr)	Storm Surge Height (meter)	Death Toll					
11 May, 1965	161	3.7-7.6	19,279					
14 Dec, 1965	217	2.4-3.6	873					
01 Oct, 1966	139	6.0-6.7	850					
12 Nov, 1970	224	6.0-10.0	300,000					
25 May, 1985	154	3.0-4.6	11,069					
29 Apr, 1991	225	6.0-7.6	138,882					
19 May,1997	232	3.1-4.6	155					
15 Nov, 2007	223	6.1-9.1	3,363					
25 May, 2009	120	6.5-7.5	190					
			8					

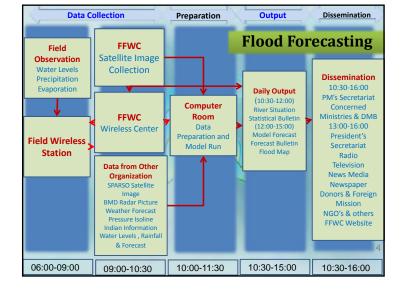






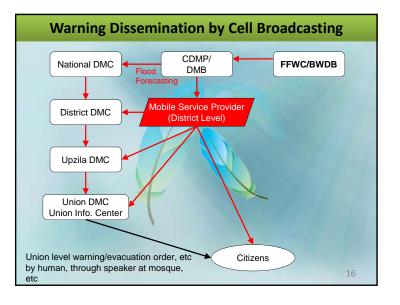






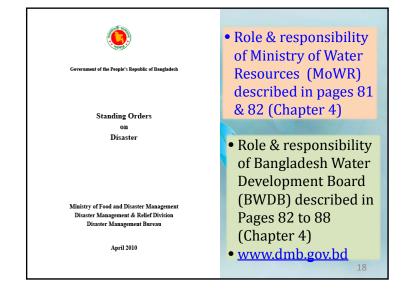


- Daily Rainfall Situation
- Rainfall Surface Map
- Daily River Situation
- Flood Inundation Map
- Dhaka City Flood Inundation Map
- Daily Situation Summary & Warning Message
- 24, 48 & 72 hrs. Forecast
- Experimental 10 days forecast of certain places
- Reports, Study and Evaluation

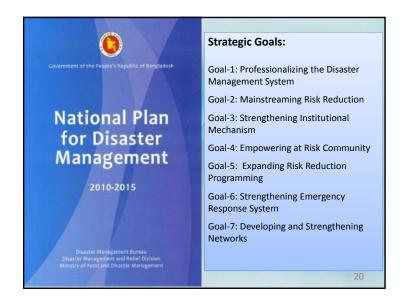


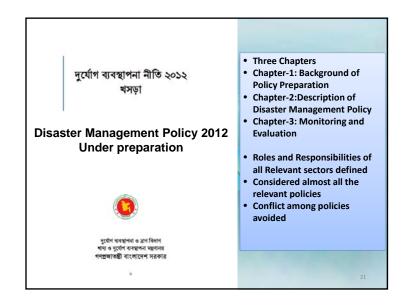
## **Dissemination of FF Information**

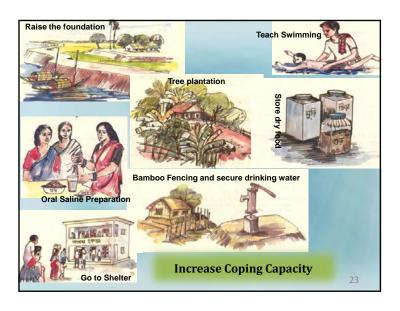
- Printed Copy and Fax: Limited, policy makers and top officials
- E-mail: Over registered 600 address in different groups, BWDB, Disaster agencies, NGO, Research Organization, Development partners, DC, Media
- Web-site: www.ffwc.gov.bd
- Phone: Continuous response
- **Cell Phone Broadcast:** Started from July, 2011, dial 10941 from Teletalk, Banglalink for Voice Message (charge applicable)

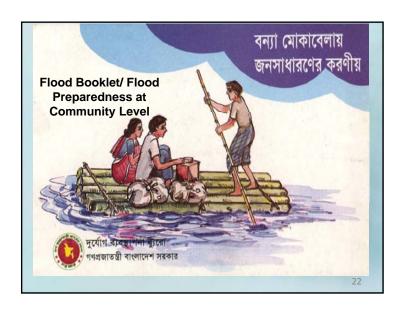












## **Future Structural Programme**

- Coastal Embankment Improvement (CEIP) under Emergency Cyclone Recovery and Restoration Project (ECRRP)
  - Upgrading the height of the coastal embankment considering Climate Change for protecting cyclone damage, adaptation to climate change
- Capital Dredging with River Training work for revival of River System
  - River narrowing, deepening, land reclamation, sediment management, quick drainage and drought protection
- Continuation of Tidal River Management in Coastal Area
  - Restore the river conveyance capacity naturally
- Main River Flood and Bank Erosion Management
- Expansion of Surface Water Irrigation by FCDI Project, Barrage etc.

## **Future Non-Structural Programme**

- Extending the lead time of forecast
- Expanding flood forecasting in the coastal zone of Bangladesh
- Upgrading collection and transmission of rainfall and water level data
- Developing and implementing flash flood forecasting tool
- Establishing network of key stakeholder for disseminating information
- Establishing monitoring, evaluation and feedback system
- Developing people centered flood warning dissemination

Multilateral cooperation and collaboration are required in these areas



