গণপ্রজাতন্ত্রী বাংলাদেশ REPUBLIC OF BANGLADESH EARTHQUAKE SCENARIOS









Educational buildings 260,000



\$420 Billion USD



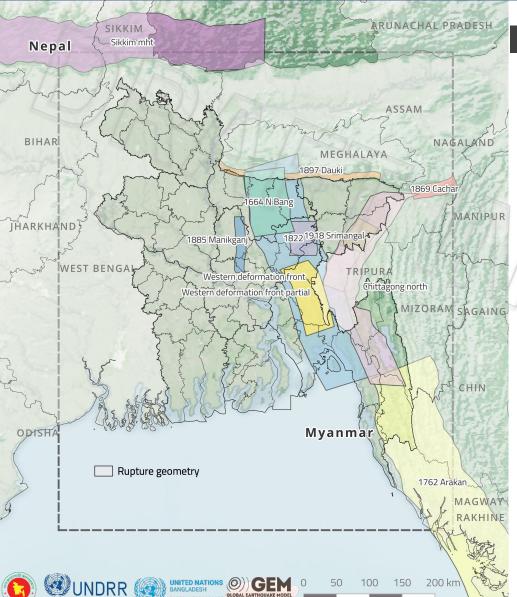
470,800

buildings 101,100

NATIONAL BUILDING INVENTORY

facilities 34,300





EARTHQUAKE SCENARIO IMPACT

-	Earthquake scenario	Mw	Ť°	Fatalities (Thousand)	• 73	Displaced population (Million)	A	Destroyed buildings (Thousand)	• • •	Economic Iosses Ilion USD)
3	Western deformation front	8.5		557		45		4,306		188,007
	Western deformation front partial	7.7		218		20		1,544		88,888
	Chittagong north	8.2		185		16		1,442		62,163
	1664 North Bangladesh	7.7		159		14		1,162		66,418
	1885 Manikganj	7.2		130		12		811		59,584
	1897 Dauki	8.7		128		11		1,032		48,340
	1762 Arakan	8.5		87	17	7		661		25,520
	Chittagong thrust smaller	7.25		64		6		438		29,569
,	1918 Srimangal	7.4		62		6		437		25,082
	1822 Kishoreganj	7.1		37		4		290	1 ,	16,529
	Sikkim mht	8.5		13		2	7	150		8,347
	1869 Cachar	7.3		5		1		40		3,531
3										

- The earthquake scenarios selected include historical events as well as hypotetical events located in existing faults.
- The number of fatalities and number of displaced population assumes the occurrence of the event at night and that 100% of the population is located in residencial buildings.
- The number of destroyed buildings includes the residential, industrial and commercial buildings that suffer complete damage due to ground shaking and is an indicator of physical vulnerability.
- The economic losses are only related with the physical damage of the residential, industrial and commercial buildings and their contents.
- · More information about the assumptions of the seismic scenario analysis can be found in the document 'Seismic Risk Assessment for the Republic of Bangladesh at Upazila level' (https://www.globalquakemodel.org/proj/Bangladesh).