



EARTHQUAKE SCENARIO IMPACT

Earthquake scenario	Mw	Fatalities (Thousand)	Displaced population (Million)	Destroyed buildings (Thousand)	Economic losses (Million USD)
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	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	16,529
Sikkim mht	8.5	13	2	150	8,347
1869 Cachar	7.3	5	1	40	3,531

Notes

- The earthquake scenarios selected include historical events as well as hypothetical 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 residential 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>).