

## Thailand: Summary of Building Types, Vulnerability to Collapse and Occupancy

Completed by: Chitr Lilavivat, Member of EERI, Fellow of Institution of Civil Engineers U.K. Engineering Institute of Thailand,  
c\_lilavivat@hotmail.com

WHE Construction Type or Material <i>refer to Table 2 for suggested category(ies)</i>	Description of construction type (type of load- bearing structure)  <i>(refer to Tables 2 and 3 for suggested categories and sources of data to help answer this question)</i>	Estimate of probability of collapse (%) of the building type when subjected to the specified shaking intensity (expressed as a range)  <i>(refer to instructions page 5)</i>  (3) <b>MMI / EMS / MSK</b>				Fraction of population who LIVES in this building type  <i>(refer to instructions for help in estimating)</i>		Fraction of WORKING population who WORKS in this building type  <i>(refer to instructions on page 5 for help in estimating)</i>		Peak average number of occupants per building  <i>(refer to instructions on page 5 for help in estimating)</i>
		IX (~0.65-1.24g)	VIII (~0.34-0.65g)	VII (~0.18-0.34g)	VI (~0.092-.18g)	urban areas (4)	rural areas (5)	urban areas (6)	rural areas (7)	(8)
	No stone masonry in Thailand									
Nos 29,30,32,33	Wooden houses, wooden structures	50%	40%	5%	0%	5%	?	1%	?	5-6
13,14,16,17,19, 20,22	Reinforced concrete houses	50%	10%	1.0%	0%	95%	?	98%	?	?
23,25,26,27	Steel structures (factory)	1-2%	0%	0%	0%	0	0	1%	?	5-500

Refer to Part 3 (next 3 pages) for tables and links that may help you fill out this form