

## WHE-PAGER PROJECT: BUILDING CONSTRUCTION VULNERABILITY AND INVENTORY

This form is divided into 3 parts:

- Part I:** Contributors' Information  
**Part II:** Summary of Construction Types, Vulnerability and Population  
**Part III:** Colleagues Consulted, Additional Sources of Information Used

### PART I: Contributors' Information

1. Country or Region (if you are only responding for part of a country, please indicate which geographic region.

Note: the WHE strongly prefers national estimates, unless you have data that clearly apply to only one region):

Russia

2. Name(s) of Contributors

Jacob Eisenberg

3. Affiliation (Organization)

Russian National Committee for Earthquake Engineering

4. Mailing address (include city and country)

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5. E-mail

[seismo@online.ru](mailto:seismo@online.ru)

6. Your self-rating of expertise or confidence: On a scale of 1=low and 5=high, please estimate your level of expertise:

5

### Part II: Summary of Construction Types, Vulnerability and Population

Construction Material (choose from drop-down list)	Construction Subtype (Choose from drop-down list--refer to instructions to see complete list)	Probability of collapse (%) of building type when subjected to the specified shaking intensity				Fraction of population who LIVES in this building type		Fraction of population who WORKS in this building type		Peak average # of occupants per building	relative amount of constructed buildings, %
		IX (-0.65-1.24g)	VIII (-0.34-0.65g)	VII (-0.18-0.34g)	VI (-0.092-.18g)	urban	rural	urban	rural		

For other combinations, use blank fields below:

21	Masonry	Clay brick 1-3 stories for 1-2 family without seismic features	80-90	60-80	30-50	0-5							20
22	Masonry	Clay brick 1-5 stories buildings with seismic features	30-90	20-40	5-15	0							15
23	Masonry	Adobe walls	90-95	70-90	40-60	5-10							10
24	Concrete	Precast wall panel structure with welded connections	0	0	0	0							6
25	Concrete	Precast wall panel structure with monolithic connections	0	0	0	0							4
26	Concrete	Walls cast in situ	zero	zero	0	0							6
	Concrete	Moment resisting frame precast and cast-in	5 to 90	5 to 70	0-30	0-2							
27	Concrete	Moment resisting frame with masonry infilling	5 to 90	5 to 70	0-30	0-2							4

Concrete	Moment resisting frame with shear walls	0-30	0-15	0	0							6
Masonry	Small concrete block masonry walls with concrete floors and roof	20-80	10 to 60	5 to 30	0-3							5
Masonry	Large concrete block walls with reinforced concrete floors and roof	20-80	10 to 60	5 to 30	0-3							4
Timber	Timber log building	10 to 30	5 to 20	0-5	0							7
Timber	Wood panel wall buildings	10 to 30	5 to 20	0-5	0							2

**Part III: Colleagues Consulted, Additional Sources of Information Used**

1 Name \_\_\_\_\_  
 Affiliation \_\_\_\_\_  
 Mailing address \_\_\_\_\_  
 e-mail \_\_\_\_\_

2 Name \_\_\_\_\_  
 Affiliation \_\_\_\_\_  
 Mailing address \_\_\_\_\_  
 e-mail \_\_\_\_\_

3 Name \_\_\_\_\_  
 Affiliation \_\_\_\_\_  
 Mailing address \_\_\_\_\_  
 e-mail \_\_\_\_\_

4 Sources of information you used (websites, publications, etc.) Please provide as much detail as possible.

5 Additional comments