**SCALE OF EARTHQUAKE INTENSITIES WITH APPROXIMATELY CORRESPONDING MAGNITUDES**

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| **MERCALLI INTENSITY** | **DESCRIPTION** | **RICHTER MAGNITUDE** |
| **I.** | *INSTRUMENTAL*: detected only by seismographs | **3.5** |
| **II.** | *FEEBLE*: noticed only by sensitive people | **4.2** |
| **III.** | *SLIGHT*: like the vibrations due to a passing train; felt by people at rest, especially on upper floors | **4.3** |
| **IV.** | *MODERATE*: felt by people while walking; rocking of loose objects, including standing houses | **4.8** |
| **V.** | *RATHER STRONG*: felt generally; most sleepers are awakened and bells ring | **4.9 - 5.4** |
| **VI.** | *STRONG*: trees sway and all suspended objects swing; damage by overturning and falling of loose objects | **5.5 - 6.0** |
| **VII.** | *VERY STRONG*: general alarm; walls crack; plaster falls | **6.1** |
| **VIII.** | *DESTRUCTIVE*: car drivers seriously disturbed; masonry fissured; chimneys fall; poorly constructed buildings damaged | **6.2** |
| **IX** | *RUINOUS*: some houses collapse where ground begins to crack, and pipes break open | **6.9** |
| **X** | *DISASTROUS*: ground cracks badly; many buildings destroyed and railway lines bent; landslides on steep slopes | **7.0 - 7.3** |
| **XI** | *VERY DISASTROUS*: few buildings remain standing; bridges destroyed; all services (railways, pipes and cables) out of action; great landslides and floods | **7.4 - 8.1** |
| **XII** | *CATASTROPHIC*: total destruction; objects thrown into air; ground rises and falls in waves | **> 8.1** |