

Reference – symbol	Tectonic setting	Region	Magnitude range ( $M_w$ )	Distance (km)	GMPE	PGA in	$\sigma$
Loi (2018) – SSZL18	subduction	Sumatra	6.0–9.1	400–1200 $R_{hyp}$	$\log_{10}(Y) = -1.731 + 0.2696M_w - 0.0009R - [(1.7659) - 0.1372 M_w] \log_{10} R - 0.0011(R - 400) + \sigma$	$\text{ms}^{-2}$	$\pm 0.542$
Shoustari et al. (2016) – S16	subduction intraslab	Sumatra, Iran, Japan	5.0–7.7	120–1400 $R_{hyp}$	$\log_{10}(Y) = 0.6241M_w - 0.001623R - \log_{10}(R + 0.01134646 * 10^{0.6241M_w} + 0.1694 - 0.5930 + \sigma$	$\text{cm s}^{-2}$	$\pm 0.489$
Loi (2018) – SFZL18	shallow fault	Sumatra	5.0–7.8	250–1000 $R_{hyp}$	$\log_{10}(Y) = -0.985 + 0.2965M_w - 0.0017R - [(1.7659) - 0.1372 M_w] \log_{10} R - 0.00096(R - 250) + \sigma$	$\text{ms}^{-2}$	$\pm 0.502$
Si and Midorikawa (2000) – SM00	shallow fault	Japan	5.8–8.3	0–280 $R_{hyp}$	$\log_{10}(Y) = 0.50 M_w + 0.0043 + 0.01 + 0.61 - \log_{10} R - 0.003R + \sigma$	$\text{cm s}^{-2}$	$\pm 0.280$
Nguyen et al. (2012) – N12	intraplate	Northern Vietnam	1.6–4.6	5–500 $R_{epi}$	$\log_{10}(Y) = -0.987 + 0.7521M_w - \log_{10} R - 0.00475R + \sigma$	$\text{cm s}^{-2}$	$\pm 0.914$