

Indian Standards

Permissible Peak Particle Velocity (PPV) at the foundation level of structures in the mining areas in mm/sec 0

TYPE OF STRUCTURES	DOMINANT EXCITATION FREQUENCY		
	< 8 Hz	8 - 25 Hz	> 25 Hz
A) Buildings / structures not belonging to the owner.			
Domestic Houses /Structures (Kacha, Brick and Cement).	5	10	15
Industrial buildings (RCC and Framed Structure).	10	20	25
Objects of Historical Importance and Sensitive structures	2	2	10
B) Buildings belonging to the owner with limited span of life.			
Domestic Houses /Structures (Kacha, Brick and Cement).	10	15	20
Industrial buildings (RCC and Framed Structure).	15	25	50

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