Intensity Classification-

The following Earthquake intensity classification is based on three factors: depth of the epicenter, magnitude of the Earthquake (in Mw) and Distance of the deployment location from the epicenter of the Earthquake on the surface of the Earth.

Effect of depth of the epicenter:

Shallow quakes generally tend to be more damaging than deeper quakes. Seismic waves from deep quakes have to travel farther to the surface, losing energy along the way.

Effect of magnitude:

Earthquake's magnitude measures the energy released at the source of the earthquake. Magnitude is determined from measurements on seismographs.

Effect of distance:

Effect of the earthquake decreases as we move far from the center of the earthquake.

Based on the above these facts we have made the following classification:

Depth	Distance	Magnitude				
		5 to 6	6 to 7	7 to 8	8 to 9	9 above
0-25	0-100	1	2	2	2	2
25-50	0-100	1	2	2	2	2
50-100	0-100	1	2	2	2	2
100+	0-100	1	2	2	2	2
0-25	100-500	1	2	2	2	2
25-50	100-500	1	2	2	2	2
50-100	100-500	1	1	2	2	2
100+	100-500	0	1	2	2	2
0-25	500-1000	1	1	2	2	2
25-50	500-1000	0	1	1	2	2
50-100	500-100	0	1	1	1	2
100+	500-100	0	0	1	1	2
0-25	1000+	0	0	0	1	1
25-50	1000+	0	0	0	1	1
50-100	1000+	0	0	0	1	1
100+	1000+	0	0	0	0	0