FACTSHEET CONCERNING LOSSES DUE TO THE NEPALESE EARTHQUAKE OF 25 April 2015

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The uninformed statement by the Nepalese Prime Minister that as many as 10,000 fatalities may have to be expected prompted me to assemble this fact sheet. Although what I report here are estimates only, they are far closer to the grim truth than anything I have heard from other sources.

Number of people affected: A useful definition of the number of people affected is those living within the area of shaking intensity $IMM \ge 6$, namely about **22.8 million**. (At these intensities serious damage to buildings occurs given the poor construction quality.)

Number of settlements: The number of settlements within the area shaken by IMM \geq 6 is 2,288.

Number of estimated fatalities: My tested program calculates that **57,70**0 fatalities are to be expected over all.

Cities other than Kathmandu affected: In the 8 affected settlements with population > 60K, the sum of the population is about 1.2 million, the average IMM = 8.5, the number of fatalities is estimated to have been 6,500.

Villages affected: In the 2,500 settlements with population < 60K the sum of the population is about 24 million (population in all of Nepal is 31 Million), the **fatalities** are estimated as about **41,000**, which amounts to only about 16 fatalities per settlement, on average.

General Consideration of Mortality: Using a typical number for average mortality is 2‰ and the aforementioned population, one would estimate **45,000** fatalities over all, which agrees with the above more accurate estimates.

