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The Scenario of Disaster Management in Nepal: A Case Study of Nepal Earthquakes, 2015

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Abstract : Earthquake constitutes one of the most terrible natural hazards which often turn into a disaster or causing extensive devastation and loss of human lives and their properties. In the year 2015, Nepal experienced the most devastating earthquakes on 25th April, 2015 and 12th May, 2015 respectively. Several villages, towns, human constructions and their properties, lives were completely damaged. The hazardous effect of Nepal earthquakes depends not only on their magnitude of Richter Scale on intensity alone, but also on so many factors, such as geology of earth crust (lithology, elasticity, soil condition, permissible stress, rock structures etc.). The unscientifically and non-seismically designed buildings resulted in huge loss of life and property. Further, the loss due to earthquake can be grouped into three broad categories namely agriculture sector (loss of livestock, poultry and food stocks), industrial sector (mainly brick production industry) and infrastructural sector (transportation infrastructure). The present research study begins with the tracing of Geological history of earthquakes in Nepal along with identification of causes of Nepal earthquakes, 2015. Secondly, research study identifies the extent of tremors of earthquakes of 2015 in Nepal and surrounding areas along with their sphere of impact. Thirdly, the research study tries to assess the agricultural loss, industrial loss and infrastructural loss due to earthquakes in Nepal. Lastly, the research study ends with the various recommendations and suggestions in order to minimize the loss due to earthquakes in the future.

Keywords : earthquake, richter scale, sphere of impact, tremors
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