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A STUDY ON FACTORS INFLUENCING LANDSLIDES IN NILGIRIS, TAMILNADU, INDIA

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ABSTRACT

Landslides are one of the most important and major natural hazards that mankind is facing all over the world. This phenomenon is very common in the hilly regions of the Nilgiris Dt, Tamilnadu. This paper tries to analyse various factors that influences landslides in this region. This initial study marks the first attempt to find a integrated solution to arrive a suitable landslide mitigation measure.

Key words: Factor, Landslide, Nilgiris, Kattery, Rainfall, Watershed.

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1. INTRODUCTION

The landslide phenomenon is very common in the hilly terrains all over the world. In India the occurrence of landslides is an annual and recurring event in the various hill and mountain ranges. The Nilgiris district in Tamilnadu is particularly very vulnerable to landslides as it receives heavy rainfall from both South West and North East monsoons. Although it falls under seismic zone the major natural disasters that occurred from 1865 to 2009 have been landslides and floods. This has made a significant negative impact on the environment (fauna and flora) and human settlements in this region.