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# Integrating landslide mitigation with economic development special reference to risk mitigation integrated re-development design for Ohiya railway station

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#### Abstract

Landslides have become one of the most devastating disaster occurrences in the country, regularly causing human deaths, property losses, and damage to infrastructure and lifelines. Hence Landslide risk mitigation is becoming an exigency in the Sri Lankan context to sustain development gains. Realizing the above need, the National Building Research Organization (NBRO) as the focal point for landslide risk management is embarking on a program for undertaking structural engineering measures to mitigate landslide risk, associated with infrastructure such as roads and highways, critical buildings of importance such as schools, hospitals etc. The Government of Sri Lanka (GOSL) has planned for an estimated total investment of USD 104 million for such landslide risk mitigation interventions within a duration of three years. The estimated budget for the same is around USD 97 Million, covering the cost of civil engineering construction works, associated engineering designs, construction supervision, management etc. GOSL plans to receive a financial support from Asian Infrastructure Investment Bank (AIIB) towards this. Basically, the structural mitigation of landslide risk is executed through expensive engineering solutions. Sri Lanka being a developing country, when implementing such risk mitigation projects, wish to incorporate additional practices to provide multiple benefits, in addition to achieving the cost benefits and cost effectiveness. Through this paper, it is expected to examine the cost effectiveness of proposed landslide risk mitigation interventions at Ohiya Railway Station, and to derive the additional benefits including the socioeconomic benefits to the society in addition to landslide risk reduction in the arrea.

Keywords: Landslide mitigation, Integrate potential development

# **Economic Development With Special Refere**

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