Economic Feasibility Assessment of Smart Village Project: A Case of Sandakpur Rural Municipality, Ilam, Nepal

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Abstract

Villages are the foundation of the country and a shrewd town means such a town that can offer different types of assistance required in everyday life to the locals really and effectively. The general target of this exploration is to survey the financial practicality of the savvy town project with an instance of a Sandakpur Rural Municipality (SRM). The review covered the region inside Maipokhari and Sulubung town of Sandakpur Rural Municipality, Ilam Nepal. This examination was expected to propose the model of savvy town analyzed through a booked poll in town test of SRM along with economic feasibility by benefit-cost ratio, NPV and IRR .B/C ratio was found as 4.98 and 2.85 at 6.5% and 10% discount rate, NPV was found as Rs 1,550,474,977 and Rs 715,758,502.7 at 6.5% and 10% discount rate and IRR was found as 18.32 % for 30 year analysis period which assures smart village can be a better option for the sustainable village.

Keywords: Smart Village, Information Technology, Sustainable Development, Equity, Economic

1. Introduction

Except for the Kathmandu Valley the capital city of Nepal and its surrounding areas, most cities and regions in Nepal still have no economic growth and no intention of investment. Urban centers are already facing pent-up demand for infrastructure services. Due to the limited fiscal foundation and other weak municipal capacities, the demand for catching up is also increasing. Therefore,

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3. Every town has various qualities, so the improvement model of one town could be just a reference for the further investigation of a specific town.

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