

Abstract

The successful housing recovery is crucial to the overall socio-economic and psychological recovery of the disaster-affected community. Post-disaster housing projects in previous contexts have been experiencing differential degrees of success and failure. However, only limited studies have been attempted to assess the performance of these projects, globally. Meanwhile, researchers advocate improving the existing frameworks for assessing the performance of post-disaster housing projects to better understand the critical factors of their success and failure. Learning from the literature the current research emphasized assessment of both process and outcome of reconstruction projects concurrently to comprehend project performance. Against this backdrop, building on existing performance measurement frameworks, the study developed a project management based model for assessing the performance of donor-driven housing projects for the disaster-affected community. The model developed is an adaptation of a performance assessment model for building construction projects and presented as a web of dependence relationships between project management dimensions and performance indicators. The significance of the model is assessed drawing on donor-driven housing for Post Tsunami (2004) displaced community in Kerala, India as a case study context.

The empirical analysis established and validated a coherent model encompassing strategic dimensions of project management as well as key performance indicators. The study established project management performance measurement scale with project management dimensions such as organizational leadership, reconstruction strategy, stakeholders' management, partnership building as well as their constituent critical success factors. The study also derived project performance measurement scale with two key performance indicators namely project efficiency and project effectiveness as measures of performance outcome. The model enables to assess the performance of project management practices as well as to interpret their impact on the performance of housing projects. The main implication of the study is that various project management dimensions should be seen as having individual as well as the cumulative impact on the performance of post-disaster housing projects.

Key Words: Post-disaster Housing, Project Management, Performance Assessment