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ADOPTION OF GREEN BUILDING CONSTRUCTION PRACTICES: A STAKEHOLDER’S PERSPECTIVE IN DEVELOPING ECONOMIES

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Abstract

The significance of green building practices to any country’s economy cannot be denied as they have a key role in the provision and support of economic activities. The purpose of the current study is to evaluate the effect of stakeholders’ perspectives on the adoption of green building practices (GBP) in the construction industry of developing economies. For this, the most important green building practices found in the published literature are identified and quantified through ordinal regression analysis. The results of the study indicate that the highest significance towards the utilization of green building practices in the perspective of the stakeholders lies with factors grouped under GB3 (resource and quality conservation) with a maximum odds ratio (magnitude) of 1.7. These factors are mostly related to resource-effectiveness and quality conservation in design, execution, and other phases of the construction project. The current study has also developed a framework model from ordinal regression analysis for construction stakeholders and decision-makers having key positions and can considerably influence the utilization of green building practices in the construction industry of developing countries.

Key words: construction industry, developing economy, green buildings⁵³, resource effectiveness, stakeholders

Received: October, 2021; Revised final: April, 2022; Accepted: June, 2022; Published in final edited form: July, 2022

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