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CONSTRUCTION COST CONTINGENCY ESTIMATING IN GHANA: A REVIEW OF WORK SECTIONS PRONE TO SCOPE CHANGES

Joseph Ignatius Teye Buerthey⁽¹⁾ Emmanuel Abeere-Inga⁽²⁾ Theophilus Adjei Kumi⁽³⁾

⁽¹⁾ PhD Student, Open University Malaysia, Kuala Lumpur, Malaysia.

⁽²⁾ Lecturer, Accra Institute of Technology, Accra, Ghana.

⁽³⁾ Lecturer, Department of Building Technology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana.

Abstract

Several factors have posed as risk factors for the successful delivery of infrastructural projects in Ghana. Since risk cannot be eradicated but can be managed by a proactive effort of the project team, the process of decision making and risk analysis are essential tasks along the construction project cycle. This paper aims at reviewing risk levels of the various work sections in relation to scope changes. Through the application of failure modes and effect analysis (FMEA), the research has revealed that the work sections that have a high propensity to changes are substructure with severity class 2, essential building services with severity class 2R and finishes with severity class 2R. These work sections were identified as prone to scope changes due to the challenge of poor scope definition during the design stage and the effect of scope creep during the development stage. The impact of these risks can be managed through a thorough coordinated design management effort of the project team and a resistance to dualisation of concept during the development stage which results in scope creep.

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Risk management, Scope Management, Cost Control, Contingency, Work Sections

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Cash allowances, Population, Scope Changes

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