

IMPACT OF CONTINGENCY AMOUNT FOR THE PRODUCTIVITY OF CONSTRUCTION PROJECTS IN SRI LANKA

AD BAMUNUWITHARANA¹ and KASGS KARUNANAYAKE²

¹Undergraduate, ²Visiting Lecturer

**Department of Quantity Surveying, Faculty of Built Environment and Spatial Sciences
General Sir John Kotelawala Defence University, Sri Lanka**

ABSTRACT

Construction industry is one of major earning and development point of a country which is based on the economy. Generally, the several types of projects are included in the industry and they are surrounded with many uncertainties with their nature. As a recovery amount and face to the risks factors the contingency amount is allocated for the projects and availability of methods for the contingency determination is abundant. The purpose of the research is to identify the affecting factors to contingency amount determination while identify the uses, methods which are available to determine the amount and barriers to use the contingency estimation approaches in Sri Lankan construction industry. The data was collected through the questionnaire and interview methods. The sample size of the data was 35 respondents who are practicing in the construction industry and gathered qualitative and quantitative data were analyzed by using statistical analysis, descriptive analysis and content analysis. The findings of the research show that there is a relationship between project detail, client characteristics, industrial factors and human and natural factors with the contingency amount and it has proved that the mentioned factors are affecting to the determination of contingency amount. It was identified that even several method are available to determine the contingency amount, percentage allocation is most commonly practiced in the industry. Also, findings have showed that deal with the deal with unexpected events and deal with scope changes are the uses of the amount. It was proved that lack of knowledge, less experiences, less of information, political issues, unstable economy are as the barriers to use the contingency estimation method in Sri Lanka and it is recommended to maintain seminars, workshops, brainstorming sessions and introduce university level modules to overcome these barriers in Sri Lankan construction industry.

Key words: Contingency amount, Construction, Estimation, Percentage allocation