

Application of Research and Development in Sri Lankan Construction Industry

K Anojan^{1#}, SD Jayasooriya² and AR Rupasinghe³

^{1,2}Department of Quantity Surveying, Faculty of Built Environment and Spatial Sciences, General Sir John Kotelawala Defence University, Southern Campus, Sri Lanka

³Faculty of Built Environment and Spatial Sciences General Sir John Kotelawala Defence University, Southern Campus, Sri Lanka
#33-qs-oc69744@kdu.ac.lk

Research and development (R&D) is the process by which a company works to obtain new knowledge that might be used to create new technology, products, services, or systems that it will either use or sell. The construction industry is one of the highest investment industries when the final product cost and the profit are highly concerned. Since the cost is very high for the R&D process, the investors are reluctant to allocate funds for R & D. The construction companies depend only on the feasibility studies which are related to the particular investment. This study focuses to identify the importance of applying R & D for the sustainability of the construction industry in Sri Lanka. The construction industry comprises number of stake holders such as engineers, architects, quantity surveyors, and surveyors who are highly concerned on the price, quality, time and performance of the work. The research was done by using the quantitative research approach and data collection was done by distributing a questionnaire. The expert opinions were obtained from the engineers, architects, quantity surveyors and the surveyors. Data analysis was done using the Relative Index Analysis and some narrative analyses were done to evaluate the expert opinions. Opinions of the professionals in the construction industry, revealed that the importance of applying R & D to the construction industry to reduce the price and the time and to increase the quality of the projects. It was recommended to apply R & D to each and every project for the long term sustainability of the construction projects in Sri Lanka.

Keywords: Research and Development, Construction Industry, Sri Lanka