

Employing Cost Modelling Tools in Land Management and Development

Tochukwu Blessed Enyinna and Oduwegwu Obianinulu (Nigeria)

Key words: Affordable housing; Cost management; Implementation of plans; Land management; Keyword 1; Keyword 2; Keyword 3

SUMMARY

One of the basic uses of land is for the provision of shelter. The world has been affected by various challenges such as the Covid 19 pandemic and various natural and man-made disaster which has had effect on the goals of achieving a sustainable environment. Efforts are being made to achieve recovery, building back better and creating a world where housing and infrastructure is achievable. The need for the right tools and techniques to realize these goals cannot be overemphasized. There is also increasing demand for effective planning and better ways of managing the limited resources as development requires unique design practices. This could be achieved through inputs from professionals in: Surveying and geoinformatics, Urban and Regional planning, Architecture, Quantity surveying, Estate Surveying and management, Building Technology and engineering, Civil/ structure and services. The above profession all have their tools which works to actualize an efficient built environment. This study aims to assess cost modelling tools in Quantity surveying for management of resources in relation to cost where the Quantity surveyor advises on the finance of construction works. Finance is the most important factor that could lead to either uncompleted or abandoned construction and it is critical to the completion of construction projects. A lot of researches have been done on financial planning in land management and development but not much has been done on cost modelling tools for this purpose. The study made use of primary data obtained from Architects, Quantity Surveyors and Engineers to assess cost modelling tools for the management of finance in construction, the level of usage of these tools and the solutions it would proffer to challenges in land management and development with the aim of enhancing efficiency in the built environment.

Employing Cost Modelling Tools in Land Management and Development (11805)
Tochukwu Blessed Enyinna and Oduwegwu Obianinulu (Nigeria)

FIG Working Week 2023
Protecting Our World, Conquering New Frontiers
Orlando, Florida, USA, 28 May–1 June 2023