

ABSTRACT

Pakistan Construction Industry even in this modern world is still fixed to the conventional building design method that includes manual drawings and bill of quantities to carry out cost estimation of the project. In comparison with the modern adopted construction technologies, old methods are time consuming and less efficient. Whereas Building Information Modeling (BIM) has emerged as one of the most beneficial podium in the construction industry due to the various capabilities it offers throughout the project lifecycle. BIM is an intelligent 3D model-based process that gives professionals the tools to more efficiently plan, design, construct and manage buildings and infrastructures. The research carried out to analyze the efficiency of modern method using BIM technique. For this purpose the report is split into two parts. Firstly, the conventional model which use by the contractors of Pakistan Construction Industry from decades and secondly the modern technique by implementing BIM. The findings of the case study project by comparing these two methods reveals that using BIM enhance the effectiveness of your project by increasing accuracy, reducing cost and provide co-ordination and collaboration between multiple activities with optimization of schedule at any point so you can easily maintain the quality in pre- construction phase. Adopting the change in construction techniques can safe time and can make projects lifetime long with reliability and safety.