

Abstract

The increasing need for long span space in high rise building makes pre-stressed concrete to be an superior alternative for the efficient design of long span structure. Therefore, to facilitate the pre-stressed concrete work on a project requires collaboration and coordination effort between owner, general contractor and sub-contractor. Each of those parties has its own interest and goal which potentially cause conflict and dis-agreement in pre-construction preparation and during construction. The purpose of this study is to identify predominant factors that cause delay or adversely impact the schedule of pre-stressed concrete construction in high-rise buildings. The methodology used for this study is identification through survey method by distributing questionnaires to sub-contractors that have been working on pre-stressed concrete structure in high rise building. The data collected by the questionnaire is analyzed and studied to determine the predominant factors causing delay on project schedule and to formulate preventive actions.

Key words: *Pre-stressed concrete, delay, high strength concrete and long span*