

Risk management of the construction stage for the construction projects in Syria

Eng. Muna Hamadeh *

Dr. Mohammad Nayfeh **

Dr. Omar Amodi ***

Abstract

Construction projects are subject to risks and uncertainties which affect project targets (cost, time, quality and safety).

This paper reviews risks and their effects on construction projects in Syria, and it aims to develop risk management framework.

In this work, risks in construction projects have been defined based on the literature review and interviews of some experts in the construction field.

A questionnaire was designed to define the probability of risk occurrence and their effects, also to define the level of their effects by multiplying the probability occurrence with the effects.

Another questionnaire was designed to define the extent of the effects of the most important risks on each target of the project, and to specify the procedures applied as a response to the risks.

The results of this research revealed that "the Inflation, price changes" and "the difference between contracted quantities and actual quantities " are seen as the most important risk, where the studied risks in this work affect the schedule more than any other project targets. Also the results showed that avoiding the risks at the construction stage is the most used action.

Keywords: Risk management –Construction projects – construction cost.

For the abstract in Arabic see pages (129-150).

*Department of construction management – Faculty of civil engineering – Damascus university.

** Asst. prof., civil engineering Faculty- construction management Dep. - Damascus University

***Lecturer, civil engineering Faculty – construction management Dep. - Damascus University.

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