

RISK ASSESSMENT AND ANALYSIS USING PRIMAVERA

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ABSTRACT

Construction projects mandatorily have different types of risk factors involved during the process of start to end of a project in various WBS levels from planning to execution level. Risk management is a key domain area to be considered. The process of risk management involves risk identification, quantifying and risk mitigation which has a procedural set up based on the type of project. Identifying the risks at earlier stage and having a proper action plan to resolve is the best project management practice. The Probability and Impact values can be calculated by various risk management techniques. This project involves all the process of Risk management where using features of Primavera in defining the P*I (Probability*Impact) matrix which will give us a clarity on the impact of the risk on the total cost of the affected activities.

KEYWORDS: Exposure cost, Impact, Probability, Risk identification, Risk mitigation, Risk response