

Statistical Analysis of the Main Causes of Delay Factors of Infrastructure Projects

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Abstract : Project delays usually detrimentally affect perceptions of project success and can in some instances, result in increased costs and other time-related damages to project stakeholders. One of the realities in the national infrastructure projects is that since the primary stakeholders are state-affiliated, the delay factors of the projects have not been seriously taken into account despite the importance of on-time completion of projects. Project postponement has different economic and social consequences and leads to the technical and economic infeasibility of the infrastructure projects in the form of reduced productivity and exploitation capacity. The present study aimed at investigating delay factors of Iranian national infrastructure projects according to regulatory reports of the Plan and Budget Organization (BPO) of Iran. The present study scrutinized the influence of each of the factors that caused delays in national Iranian infrastructure projects according to the supervision reports of the planning and budget organization in 8 years. For this purpose, the study analyzed the information regarding the impact of 12 key delay factors causing delays in average 4867 projects per year in all provinces. The said factors were classified into the three groups of executive, credit, and financial and environmental-procurement factors.

Keywords : delays, infrastructure, projects, regulatory

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