

Statement almost everywhere. however, these problems are

[Design](#)



Statement of the problem In developing and least developed countries, physical and social infrastructure is the primary condition for further development. To meet the increasing demand, those countries spend around one-third of public expenditure for construction of different infrastructure.

For example, in Bangladesh the public construction projects represent a sizable 30% of all public expenditures (Rasul, Rogger, & Litvine, 2016)

Construction projects are dynamic in nature and involve high degree of uncertainty (Sambasivan & Soon, 2007). For its nature, time overrun and cost overrun of public sector construction projects are found almost everywhere.

However, these problems are severe in developing countries (Wanjari & Dobariya, 2016). The effect of time overrun and cost overrun causes a serious problem in service delivery as well as the economic development of those country (Rasul et al., 2016). Past research in this regard examines many causes for time overruns and cost overruns. Most of the study have been indicating managerial, financial, bureaucratic and external issues behind time and cost overrun.

(Mohammad Saiful Islam, Bambang Trigunarsyah, Mohammad Hassanain, 2015), identifies 73 causes of eight categories for time overrun and cost overrun in large scale construction projects in Saudi Arabia. The authors pointed out managerial, financial and external factors. (Mohammad Saiful Islam, Bambang Trigunarsyah, Mohammad Hassanain, 2015) in their study focused on the time overrun of large construction projects in Bangladesh. They found 79 factors that causes time overrun which are related to managerial and financial issues.

Taking a sample of over 1200 different construction projects in Bangladesh from 2003 to 2013, (Rasul et al., 2016) found that 23% of projects deviated from planned complete date, and 77% deviated from their first approved cost. However, this research intensively discuss on the overall bureaucratic efficiency in project implementation. The infrastructure sector is quite wide and water sector is an important part which spend large allocation of annual budget. In Bangladesh, the expenditure for water resource infrastructure project is around eight percent which is second highest of total infrastructure projects expenditure (Rasul et al.

, 2016). Bangladesh is one of the most flood and river erosion prone country (Das Gupta, Babel, Albert, & Mark, 2005). To protect the lives and resources government initiate many infrastructure projects.

But failure in timely completion of projects create more sufferings and loss of wealth. So, finding the causes of and solution for time overrun and cost overrun of project in water sector is very important. But there is very few literatures are available on this issue.

This research is an attempt to identify the causes of the time and cost overrun of water sector construction projects.