



Factors Influencing the Adoption of E-procurement in the Construction Industry of Pakistan. A case Study of the Public Sector

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Abstract—E-commerce had thoroughly reformed the method of the operating system of business nowadays. E-procurement now being used all over the world to exclude the operation and phases of the traditional procurement. E-procurement has carried benefits in the industry such as productivity, cost saving, reduced procurement process, improved compliance and regularization of procurement. Construction industries should attempt the latest tools for implementing the E-procurement process in the public sector. The system of E-procurement in the Pakistan construction industry is still in its initial stages due to lack of understanding, Thus, this study aims to list out the critical factors of E-procurement and to provide necessary measures for controlling the factors which affect the adoption of E-procurement in the public sector. Extensive literature review and unstructured interviews carried out among the stakeholders working in the construction sector. The questionnaire survey was filled out from the stakeholders working in the construction sector to determine their perception of E-procurement. The finding of the study shows that the critical factor which affects the adoption the E-procurement is lack of training, Information technology, Interest of top management, Security and authentication of transactions, and experience in the construction industry of Pakistan. This study allows the procurement practitioners to overcome the critical factors which are affecting the E-procurement and to highlight the necessary measures on behalf of the implementation of the E-procurement system in the Pakistan construction industry.

Keywords—E-procurement, critical factors, Pakistan, construction industry, public sector