

Tshering Tobgyel 2014: Study on Factors Affecting Construction Quality in Bhutan. Master of Engineering (Civil Engineering), Major Field: Civil Engineering, Department of Civil Engineering. Thesis Advisor: Assistant Professor SuphuwutMalaikrisanachalee, Ph.D. 165 pages.

Identification of the factors affecting construction quality in the districts of Thimphu and Chukha (Bhutan) were done for the first time. The main findings out of hundred seventeen factors affecting quality were quality procedures, improper planning, project budgeting, construction supervision, lack of commitment, period of project, project planning, inefficient site management, skill and experience supervision, project quality plan, implement quality control and assurance system and quality manual. The research study undertook proportional sampling comprising of 30 equal participations from both government and private organizations. Qualitative local quality factors were determined from one round processed questionnaire. Analysis by EFA, CFA, SEM interfering was conducted. Quantitatively SEM model resulted strategic guidelines such as project budgeting, improper planning, quality procedures, construction supervision, project planning, period of the project, lack of commitment, skill and experience supervision staff, inefficient site management and quality manual. Recommendations are made from the comparative findings.

Keywords: Bhutan construction, construction quality, SEM.

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