

BEST MANAGEMENT PRACTICES TO IMPROVE LABOUR PRODUCTIVITY IN HIGH-RISE BUILDING CONSTRUCTION PROJECTS IN SRI LANKA

KHCH FERNANDO¹ and TC KATHRIARACHCHI²

¹Undergraduate, ²Lecturer (Probationary)

**Department of Quantity Surveying, Faculty of Built Environment and Spatial Sciences
General Sir John Kotelawala Defence University, Sri Lanka**

ABSTRACT

Productivity plays a vital role in the construction industry. It helps construction organizations to be competitive, to achieve objectives and goals and to meet the value propositions. The first objective of this dissertation is to identify relationship between management practices and labour productivity. The second objective is to identify management practices to improve labour productivity in high-rise building construction projects in Sri Lanka and third objective is Rank the identify management practices. The above-mention objectives have achieved through literature review and Questionnaires. A total of fifty questionnaires have distributed to randomly selected industry professionals and 45 respondents replied to the questionnaire. The quantitative data analysis through correlation method using SPSS software to identify relationship between labour productivity and management practices. Relative important index data analysis method is used to prioritize the identified management practices. There are ten practices identified as more essential to improve labour productivity. They are Clear scope of work, Safety and Health Policy, Safety and Health Plan, Safe Work Method Statement, Hazards Analysis, Safety and Health Training, Safety and Health meetings, Procurement Plan for Construction Equipment, Construction Equipment Maintenance. Least important factors effecting the productivity as Site Security Plan, Use of Software in planning Work Packages, Skill Assessment and Evaluation, Retention Plan for Experienced Personnel were also identified.

Key words- *Construction, Labour Productivity, Management Practices, Improve*