

COMPUTATION OF RELATIVE INDEX RANKING OF VARIOUS CONSTRUCTION PRODUCTIVITY FACTORS

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ABSTRACT

India is one of the biggest developing country in world. The construction industries is the major sector in India which governed the economic growth of country, However low productivity has been a major problem faced by this sector. Construction projects suffer various problems and complex factors such as cost, duration, quality and safety. This study is focused on improving the productivity in construction sector. For finding out the most important factors affecting construction productivity detailed survey is carried out with the help of questionnaire. Questionnaire survey is carried out by selecting major construction company in Pune region through direct and indirect employees. The analysis of the database collected is used for finding the most effective factors which influences the productivity in the construction.

Questionnaire is formulated on the basis of previous studies. And analysis of the survey questionnaire is useful to define and develop the factors governing productivity. The present study shows that factors such as salary expectation, promotion and motivational practices are found to be main reason affecting productivity. Finally further analysis seems to show that some factors affecting productivity are common to every project. The relative index has been found out to rank the factors according to the importance in productivity. Detailed case study is carried out for validating the most important and effective factors which influence the productivity of the construction.

KEYWORDS: Productivity in Construction, Productivity Improvement, Construction Factors, Relative Index