

LABOUR PRODUCTIVITY IN CONSTRUCTION ACTIVITY

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Abstract

Previous studies have been aimed to develop effective methods to improve productivity in construction industry. With the demand for labour and increase in labour rates, there is a need to have looked into entire construction activity and its impact on the final project cost. It is necessary to improve the efficiency of the production by means of raising the labour productivity of the construction industry for the contribution to the progress of life, the growth of the national economy and the improvement of the international competitiveness. This paper describes the importance of labour productivity and the preparation of the formats for collection of data. The data have been collected by using time study technique. Initially method study has been completed for erection of precast column and beam. Then time study has been carried out using stop watch to determine the time required to complete one cycle of placing one precast column and beam in proper position. The construction industry is valued at two lacks forty thousand crores rupees and is galloping ahead at a rate of 7 to 8% per annum. Over next ten years, the government has planned in the Infrastructure roads, Irrigation, water supply, housing ports, energy, telecommunication etc, to the tunes of twenty lacks crores. Of this total amount nearly 40% to 50% would be spent on construction activities. Today construction activity serves to catalyze the economic growth of the country. A vibrant construction industry is essential in developing economy like India to meet the need to deficient infrastructure facilities. Moreover, investment in construction has a positive domino effect on the supplier on industries, thereby kick starting economic development. With the demand for labour and increase in labour rates, there is a need to have looked into entire construction activity and its impact on the final project cost. The advanced economy has taken advantage in terms of mechanizing the construction operation by adding more content of prefab works, precast sections, introducing modular design concepts and adopting industries method of construction.

Keywords : Labour Productivity, Developing Economy, Labour Intensiveness, Lower Unit Cost, Seasonal Fluctuations, Lower Unit Cost, Contract System, Efficiency of Labour, Saving in Time & increasing Profit, Reduced Efficiency of Labour, etc.