

Right Selection of Equipment by Using Analytical Hierarchy Process

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Abstract: Selection of construction equipment play's very crucial role for a successful completion of project. Today's construction projects are going highly mechanized day by day and equipment cost goes up to 10% to 30% of total project cost. Selection of construction equipment is always a key factor to achieve economy & proper execution in projects. The AHP (Analytical Hierarchy Process) considers best alternative option's among which the best decision is to be made. The AHP use makes selection process easy & informative. In this paper we are going to analyse how AHP helps to select a proper set of equipment's to overcome the time delay also to increase the profit in project. This method makes the selection process easy, flexible. Equipment cost always plays a major role in construction projects. This paper aims to use of AHP for right selection of equipment to complete project economically & successfully.

Keywords: Construction Equipment Selection, Execution in projects, AHP in Equipment Selection, Mechanized Construction.

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