

APPLICATION AND ANALYSIS OF LAST PLANNER SYSTEM IN THE CONSTRUCTION INDUSTRY

S. M. ABDUL MANNAN HUSSAIN¹, B. VAMSI KRISHNA² & V. RANJITH KUMAR³

¹Research Scholar, Gitam University, Visakhapatnam, Andhra Pradesh, India

^{1,2,3}Assistant Professor, Department of Civil Engineering, Malla Reddy Engineering College,
Secundrabad, Telangana, India

ABSTRACT

Lean construction is a relatively new construction management philosophy which has evolved from Lean manufacturing principles. Lean construction along with its various tools like the Pull Approach, Just in Time, Continuous Improvement, Last Planner System, etc. has gathered a lot of momentum in the developed nations. The challenge now lies in implementing it in the developing countries. The Last Planner system is a production planning system designed to produce predictable work flow and rapid learning in programming, design, construction and commission of projects. The essence of Lean Construction is to increase in efficiency by elimination of non value adding activities.

KEYWORDS: Master Schedule, Look-Ahead Schedule, Weekly Workplan, Percent Planned Complete, Make Work Ready Planning