



Time study, Bottleneck Analysis and MOST Analysis

Improving Production Efficiency Using Time Study

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Abstract

The purpose of this project is to create awareness about the value of time in industries. This project is implied on PEL (Pakistan Elektron Limited). The main aim of the company is to generate maximum out put in a least possible time .The main focus of our study is to define the standard time to do an operation. For this reason we conducted time study for every operation. After calculating the time we set the standard to produce maximum out put in a shift. The daily output of the company was around 800 units. There were some operations whom operating time was higher than other operation in the department which lead them to bottle neck .So to overcome this we analyzed the whole department and utilized the work force and enhanced the production of those operation by adding more work stations to keep them at level. There was also extra transportation of the worker so because of that it took more time to operate. So for that reason we change the lay out and eliminated extra motion of the worker and re calculated the standard time with respect to motion by using MOST (Maynard Operation Sequence Technique). From all these calculation we enhanced the production output around 2200 units. In the end we hope that this project will be helpful for the company.

ACKNOWLEDGEMENT

In the name of ALLAH, the most Gracious and the most Merciful
“All praises be to ALLAH, Lord of the World, the Beneficent and the Merciful. Owner of the judgment day, Thee (alone) we worship, Thee alone we ask for help. Show us the straight path, the path of those whom Thou has favored, not (the path) of those who earn Thine anger nor of those who astray.”

The completion of this project thesis is perceived as the fruitful result of an incredible effort and devotion. It can be stated without any hesitation that this subject thesis is the outcome of the joint efforts of all concerned by successfully negotiating the carious tedious problems and hurdles.

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“May ALLAH ALMIGHTY bless all these patrons and put them on the right path.” (Aameen)

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