

RAISING PRODUCTIVITY THROUGH WORK STUDY TECHNIQUE: A CASE STUDY

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Abstract

Increasing demands and more customization of products, the industries are facing problem in satisfying customer demands on time as daily production are not met and that results to loss of customers. Therefore, this makes the requirements for updating the system. Literature review revealed that there are techniques available for enhancing productivity, but the simplest technique found was the Work Study technique. There are two principles techniques of work study i.e. method study and work measurement. In this paper, both these techniques are used separately to analyze the work and select alternatives and then implement the best one to enhance productivity. In the present case study by implementing the new operation line 15000 strokes/month saved, which is equivalent to financial amount of Rs. 67500/-, along with two man power. As with the implementation of new line a 450T press was spared which results in saving of energy also. In order to find out production loss, time study was carried out to find out the recorded and unrecorded loss and it was suggested to replace the die changeover equipment i.e. cranes with chain conveyor (as chain conveyor is available) and use gravity based material handling equipments. This will somehow cut down large wastage of time. The other reason for production was the worker fatigue due to regular unproductive activities. Hence it was also suggested to make the system automation from semi-automation.