

Performance Measurement and Process Improvement In Terms Of Overall Equipment Effectiveness in Specific Section of Specific RMG Sector

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Abstract

Performance measurement is concerned with process optimization through increased efficiency and effectiveness of the process or product. It is primarily managing outcome, and one of its main purposes is to reduce or eliminate overall variation in the work product or process. On the contrary, the overall equipment effectiveness metric is a powerful tool that can be used to measure performance and also perform diagnostics at the equipment level. OEE is just a number for relative comparison of equipment performance. The real benefits come from using the factors of OEE, which lead to root cause analysis and eliminating the causes of poor performance. This study is aimed towards the measurement performance and improvement process of number of 10 Sewing Production Unit used which is located at Gazipur, Bangladesh. In regarding improvement an integrated approach overall equipment effectiveness was selected as reference for the study. From the measurement, the overall equipment effectiveness of the existing process is 38.25%. By implementing a number of tools the improved score of OEE results 55.57% which is increased by 45.28%. In addition to, the world class score for OEE is 85%. The achieved value thus proved it if taking appropriate steps the existing process would be improved significantly. In reality, 10 Sewing Production Unit improvement solutions requires the ingredients of dedicated people, a proven, simple, proactive methodology and a flexible, easy to use application that supports organizations' initiatives. This study is a little effort of that kind of inventiveness.

Keywords

Performance measurement, Efficiency, Zero defects, productivity improvement