

Lean Six Sigma in Light Engineering Clusters in Tamil Nadu

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Abstract

Lean Six Sigma manufacturing concepts have been widely recognized as an important tool in improving the competitiveness of Industries of 2 Light Engineering Clusters (LEC) in India. The objective is to study on five Six Sigma tools like Define, Measure, Analyze, Improve and Control (DMAIC) and 15 Lean Manufacturing Tools. The methodology adopted is collection of primary and secondary data from 2 LEC and Government of India. To conclude, all the two LEC are in the 5.0 to 4.4 sigma levels from 4.6 to 4.1 sigma levels and have to reach the six sigma levels. The Lean Six Sigma Model helped LEC to think on innovation and Quality Management a necessary condition for sustainable development of Light Engineering Clusters in India.