5th International Conference on Materials Processing and Characterization

Lean Integrated Management Systems in MSME

Reasons, Advantages and Barriers on Implementation

Ajay D Jewalikar*, Dr. Abhijeet Shelkeb

* Research Scholar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Sr. Engineer, Indo German Tool Room, Aurangabad, 431006, India
b Associate Professor & Director, Dept. of Mgmt. Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431006, India

Abstract

MSMEs have been globally considered as an engine of economic growth and as key instruments for promoting equitable development. The organization with the help of the lean integrated management system will be able to attain the quality objectives and targets with the lesser paperwork, simpler integrated system requirements and also the better hygienic conditions and environment friendly waste disposal practices. 5 S coupled with safety now becomes 6S. The implementation of 6S with Integrated EHS management system will lead to safer working conditions with increased productivity and building the image of MSMEs to customers. Basic concept on lean integrated management system (IMS) into MSMEs and analysis on reasons, advantages and barriers at lean IMS implementation are presented in this paper.

Keywords: MSME, Management Systems (MS), EHS (Environment, Occupational Health & Safety Management System), integrated management systems, Lean Manufacturing, 5S

* Corresponding author. Tel.: +919422709608 +912402335095
E-mail address: ajayjewalikar@gmail.com

©2017 Elsevier Ltd. All rights reserved.
Selection and peer-review under responsibility of Conference Committee Members of 5th International Conference of Materials Processing and Characterization (ICMPC 2016).
1. Introduction

Micro, Small and Medium Enterprises (MSME) sector has emerged as a highly vibrant and dynamic sector of the Indian economy over the last five decades. MSMEs not only play a crucial role in providing large employment opportunities at comparatively lower capital cost than large industries but also help in industrialization of rural & backward areas, thereby, reducing regional imbalances, assuring more equitable distribution of national income and wealth. MSMEs are complementary to large industries as ancillary units and this sector contributes enormously to the socio-economic development of the country.

The Sector consisting of 36 million units, as of today, provides employment to over 80 million persons. The Sector through more than 6,000 products contributes about 8% to GDP besides 45% to the total manufacturing output and 40% to the exports from the country. The MSME sector has the potential to spread industrial growth across the country and can be a major partner in the process of inclusive growth.

Micro, small and medium enterprises as per MSME Act, 2006 are defined based on their investment in plant and machinery (for manufacturing enterprise) and on equipment for enterprises providing or rendering services. The present ceilings on investment for enterprises to be classified as micro, small and medium enterprises are as follows:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Manufacturing Enterprises*</th>
<th>Service Enterprises**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro</td>
<td>Rs. 2.5 million / Rs. 25 lakh</td>
<td>Rs. 1 million / Rs. 10 lakh</td>
</tr>
<tr>
<td>Small</td>
<td>Rs. 50 million / Rs. 5 crore</td>
<td>Rs. 20 million / Rs. 2 crore</td>
</tr>
<tr>
<td>Medium</td>
<td>Rs. 100 million / Rs. 10 crore</td>
<td>Rs. 50 million / Rs. 5 crore</td>
</tr>
</tbody>
</table>

* Investment limit in Plant & Machinery ** Investment limit in equipment.

The objective of the MSME Tool Rooms is to provide Technical Support to Micro, Small & Medium Enterprises (MSME) by manufacturing various tooling items and providing assistance in designing, manufacturing of tools, dies, jigs and fixtures for increasing productivity, improving quality and adopting improved methods of production as well as conducting the Long Term, Medium Term, and Short Term Training courses in the field of Tool & Die Technology. MSME Tool Room’s philosophy of Integrated Solution for industrial growth is based on the provision of trained, skilled and innovative manpower to bridge up the gap between industrial need and aspiring Engineering Profession technology and high-end CAD/CAM solutions. A total of 18 MSME Tool Rooms fall within the purview of Ministry of Micro, Small and Medium Enterprises.

The adoption of the Environmental Management system (EMS) is growing in the MSMEs today because of the increasingly demanding environmental legislation. MSMEs are nowadays required to seriously take into consideration not only environmental aspects related to the products manufactured and also forced to reduce environmental impacts by implementing environment friendly waste disposal practices.

The Occupational health and Safety Management System (OHSMS) was introduced by British Standards Institution. The fundamental objective of this standard is to support and promote good practices in the area of occupational health and safety via a systematic and structured management. The efficiency of the workman and the processes will be increased by the creation and maintenance of a safe working environment. Tsai and Chou (2009) investigated that the health of the workers will be improved with reduction in accident rates. This will lead to the higher recruitment attractiveness. Resulting in increasing company’s competitiveness while decreasing social costs leading to sustainable competitive advantage.

Rajkovic et al (2008) finds that there are no standard elements that may neither easily or effective be applied to activity and size of the organization.[1].
دریافت فوری
متن کامل مقاله

امکان دانلود نسخه تمام متن مقالات انگلیسی
امکان دانلود نسخه ترجمه شده مقالات
پذیرش سفارش ترجمه تخصصی
امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
امکان دانلود رایگان ۲ صفحه اول هر مقاله
امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
دانلود فوری مقاله پس از پرداخت آنلاین
پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات