

Case Study on Maintenance Management Framework of a LPG Cylinder Manufacturing Industry

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Abstract

Maintenance management is an important aspect for any organisation. Maintenance management may be described as the function of providing policy guidance for maintenance activities, in addition to exercising technical and management control of maintenance programs. There are maintenance guidelines provided by the manufacturers of different equipment's. However, for a specific industry with a specific location, modifications are required to get the overall comprehensive maintenance framework. In Bangladesh, Liquid Petroleum Gas (LPG) cylinder manufacturing industry has started its journey lately. Therefore a case study on maintenance framework considering technological, economic and environmental circumstances would be helpful for the industry.

Keywords

Maintenance Engineering, Total Productive Maintenance (TPM, life cycle cost analysis(LCCA)

Biography

Dr. A R M Harunur Rashid is an Associate professor of Department of Mechanical and Chemical Engineering (MCE) at the Islamic University of Technology (IUT). He earned his Ph.D. from Dublin City University (DCU) and B.Sc. in Mechanical Engineering from Bangladesh University of Engineering and Technology (BUET). His research activities include the area of Ergonomics, Engineering Design, Management, Operations Research and Renewable Energy.