

Factors Affecting Occupational Safety and Health Management System: Special Reference to Cement Industries at the Mandalay Industry Zone in Myanmar

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Abstract

The purpose of this research is to identify the factors affecting to the protection of workplace safety and health in the cement factory. A systematic way of managing workplace safety and health is very important for organizational performance. It is generally considered that the factors of occupational safety and health management system not only reduces loss and cost of accidents and diseases, but it also improves the performance and efficiency of employees as well as organizations. The research was focused to analyze the relationship of factory related factors, and human related factors to effective implementation of occupational safety and health management system in the cement industries. to carry out this survey 150 sample was selected by using simple random sampling technique using quantitative method in five cement factories. Unit of analysis was individual such as head / managers / supervisors and workers. Descriptive statistics, correlation and regression analysis tools were used for analyzed the data. It shows a significant positive relationship between factory related factors and occupational safety and health management system at $r = 0.567$, and $p < 0.01$ and human related factors and occupational safety and health management system also at $r = 0.526$, 0.01 . Further, 32.1% explained by factory related factors while 34.7 % explained by human related factors. The findings show that the relationship between factory related factors, human related factors and occupational safety and health management system were an area concerned with protecting workplace safety and health, improving welfare facilities of all employees engaged in employment in the cement factory. The research provided insight into workplace protection about workplace safety and health for all employees regarding implementing OSHMS procedures and, Managing and OSH management in cement factories at the Mandalay Industrial Zone in Myanmar.

Keywords: Health and Safety Management System, Organizational factors, Human related factors, Cement Industry.