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A STUDY ON EMPLOYEE HEALTH, SAFETY & CLEANLINESS IN MECHANICAL INDUSTRY

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ABSTRACT

This project provides a summary of the current state of knowledge regarding best practice for workplace health and safety also while this review primarily focused on workplace safety. The study also focuses what are the safety equipment is necessary and how it protect the employees from the accident at the work spot. This study is very useful for the organization & future to make use of it for their development. Also added some diagrams, advantages, limitations and importance of safety and cleanness in mechanical industry.

Keywords: work spot, organization, accident, development.

1. INTRODUCTION

Safeguards for workers' health and safety are the legislative response to the problem of accidents at work and occupational illnesses. In order to keep employees producing at least at the level indicated by their potential at the time of their employment, it is essential to prevent anything from happening to them that might result in a temporary or permanent reduction in output because of sources such as accident or injuries and illness due to ill health. Since accident and illness not only disrupt output but also carry with them sizeable monetary costs. It becomes extremely important for industrial organization to take all possible steps to prevent or reduce accident & severity as well as to eliminate anything that might contribute to the onset or prolongation of an illness. And when new employees were taken on then the majority of organizations would review their health and safety risk assessments to take into account new employees.

According to recent estimates released by the International Labour Organization (ILO), each year 2.78 million workers die from occupational accidents and work-related diseases (of which 2.4 million are disease-related) and an additional 374 million workers suffer from non-fatal occupational accidents.

Work-related stress and no communicable diseases are of growing concern for many workers in all parts of the world. At the same time, many workers remain challenged by persistent work-related safety and health risks and it is important not to overlook the workers who face these risks as we look to the future.

Occupational accidents and work-related diseases have a major impact on individuals and their families, not only in economic terms, but also in terms of their physical and emotional wellbeing in the short- and long-term.

Furthermore, they can have major effects on enterprises, affecting productivity, leading to potential disruptions of production processes, hampering competitiveness and reputation of enterprises along supply chains, and impacting on the economy and society more widely.

JICA technique is used for the collection of the quality data from the workshop premises for analysis safety & cleanliness issues related with the workers. For this 4W1H format is used for data collection.

2. LITERATURE REVIEW

1. Jane et.al. [2001]-

'Employment health and safety after privatization' the paper states that whether work status after employment misfortune because of privatization impacts health and utilization of health administrations and whether money related strain, psychosocial measures, or health related practices can clarify any discoveries. The finish of the examination is insecure re- business and joblessness after privatization result in increments in minor mental horribleness and interviews with a general specialist, which are conceivably because of the expanded minor mental dreariness.

2. Abdullah, Spickett, Rumchev and Dhaliwal [2007]-

Study on organizational factors on safety in Taiwan and Japan reported that the impact of organizational factors in the two nations were diverse because of disparate culture. For instance, they discovered that Taiwanese leadership style was "Top- Down Directive" where top management conveyed safety strategies and associated with safety exercises while Japanese safety leadership was more focused on "Bottom-Up Participative" where top management promoted representatives investment in any safety exercises.

3. Josephine .M Rudolph L. [2011]-

'Safety practices in small enterprise' the purpose of this research is to understand the views of different employees in small and medium enterprises about what can be done to improve the health and safety in work places. It shows that when good health and safety practices are not put in place, accidents ,major and minor injuries can happen, and it is what most of the employees in other companies have so far experienced. This implies that if health and safety is not managed effectively, both the two parties being employees and the organization would suffer because for the organization to function effectively, it needs employees and for the people to survive, they need to work.

4. Sulaiman .J ,Alaguthankamani[2013]-

'A study on employee health and satisfaction' The examination is to know the general welfare of a worker with unique inclination to Safety and Health programs, at bike save parts fabricating industry in Chennai. Studies are directed to know how the Safety, Health and Environmental Improvements measures are taken by the business. The aftereffect of this investigation demonstrates that majority of the employees perceive the present efforts taken by the two wheeler spare parts manufacturing industry in Chennai, on safety measures and work environment is satisfactory.

3. CONCLUSION OF LITERATURE REVIEW

To overcome the problems in the workshop premises regarding safety, cleanliness & maintain the health related issues of the operators or workers while performing duties in workshop premises. For this JICA technique is used & collects the quality data about the factors.

4. OBJECTIVES OF INDUSTRIAL SAFETY

4.1 Problem Description

A practical goal of industrial safety is to lighten the environmental impact on the manufacturing unit and each person and the role of the industrial safety professionals is to find leverage or opportunities for considerable improvement using practical effort.

4.2 Objectives

The objectives of industrial safety systems are as follows:

- a) Industrial safety is needed to check all the possible chances of accidents for preventing loss of life and permanent disability of any industrial employee, any damage to machine and material.
- b) It is needed to eliminate accidents causing work stoppage and production loss.
- c) It is needed to reduce workman's compensation, insurance rate, and all the cost of accidents.
- d) It is needed to achieve better morale among industrial employees.
- e) It is needed to increase production means to a higher standard of living.
- f) It is needed to prevent accidents in the industry by reducing any hazards.

4.3 Need for Safety in the Workplace-

It is not possible to measure the effects of human casualties. They can have grave consequences for employees and their families and friends as well. This is why workplace safety and health measures are necessary. They are essential for the well-being of employers and employees alike. The feeling of assurance that one has, knowing that he will return safely from work, is more significant than anything else. There are occupational safety and health risks in every company. Factors affecting workplace safety include unsafe working conditions, environmental hazards, substance abuse, and workplace violence. For example, employees working in an IT company may have to work with faulty wires or electronics. Whereas in a construction company, employees may be exposed to the dangers of operating heavy equipment.

Employers should also learn the desired aspects of their employees in terms of safety and protection. This will help increase productivity and the quality of the products and services.

5. METHODOLOGY

5.1 Flow Chart



6. ADVANTAGES AND LIMITATIONS

6.1 Advantages

1) Protecting your staff:

Health and safety guidelines are primarily to protect employers and their staff from injury, illness or coming into any other form of harm in the workplace.

2) Reducing absences:

Health and safety guidelines and maintaining a safe work place will reduce the risk of work-related illnesses and injuries, and therefore reduce staff absences.

3) Improving productivity:

If your colleagues and employees are able to work in a safe environment, this will improve morale and overall productivity.

4) Saving money:

By maintaining health and safety practices in the workplaces, and therefore reducing absences and improving productivity, you will be saving money by retaining staff. Money spent on absences and recruitment processes will decrease, and the business' profits will increase.

5) Reducing Workplace Stress:

Workplace stress can cause many health problems like anxiety, depression, etc.

6) Better Relationships with Your Employees:

Executing a comprehensive safety program fosters improved connections. If your workers feel safe on the job, theyappreciate the effort you take to prevent injuries or illnesses.

6.2 Limitations

- Excessive data required to be collect for quality assessment regarding safety & cleanliness
- 2) Time consuming technique.

7. CONCLUSION

In this project we studied about safety and cleanliness in mechanical industry. We also got the information about importance of safety and cleanliness in mechanical industry or workshop. We also learned how to protect our self from accidents and how to reduce the risk of work-related illnesses and injuries.

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