

Industrial Safety and Well-Being of Fireworks Employees in Sivakasi

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Abstract- Fireworks industry is a very flourishing one in Virudhunagar District especially in Sivakasi. But in this industry, the employees are not given adequate safety measures for their safe working. In fireworks the employees have lot of risk on their safety and well being. There has been lot of health afflictions due to air quality. In fireworks industry, safety is most important for the employees. Officials of the state and central government organisation should help in implementation of safety system in fireworks units in Sivakasi to ensure misfortune free fireworks industry. So the study is referring to the main intention of to discover the safety measures in the fireworks industry. According to the factories act the safety instrument should be very important because the safety of the employees is very essential. In fireworks industry lot of fire disaster is happening this is a time to identify the safety materials and well-being of the employees. Because the researcher conducted survey in vijayarangapuram near Sivakasi. The total population 250 employees through this the researcher took 30 samples from the population. This study mainly focused on the employees safety and well-being. The majority people said they need more safety measures like gloves, face mask.

Keywords: Well being, Safety system, safe working

I. INTRODUCTION

The word safety refers to freedom from danger, injury and damage, and to personal security. According to the Factory's Act, the safety is most important to the employees. Under the act fencing machinery, dust, working without safety materials is not safe for the employees. If the factory gives safety to the employees they will work peacefully in the workplace. It will affect the employees health and their well-being also. Many health issues will come because of the safety issues in fireworks and it will affect their livelihood also. The study is mainly focused to know the safety measures among the employees in fireworks. It is therefore essential to identify and examine the causes of industrial accidents and take steps to control them. Many disciplines are concerned with this safety approach. Industrial engineering is one field which deals with design of efficient work place, equipment and industrial layout design. Improper handling of fireworks could lead to all sorts of serious injuries and lasting consequences such as eye trauma and burns. It's important to take time to learn how to stay safe and happy in the presence of fireworks companies. This research study aims at exploring the safety of the employees in the fireworks. The word well-being refers to being comfortable in their place. Safety leads to well being. Well-being is the experience of health, happiness, and prosperity.

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IV. OBJECTIVES OF THE STUDY

The main aim of the study is to analyze the industrial safety and well being of firework employees in Sivakasi. The main objective of this study is to know about safety measures and well being among firework employees in Sivakasi.

V. METHOD OF STUDY

The study conducted in Virudhunagar district especially in Vijayarangapuram. The total number of population 250 in Vijayarangapuram area, from that researcher select the 30 respondents by using Simple Random Sampling. Survey method is used for the study. In order to gather information on the effectiveness of fireworks industries researcher conducted survey among the fireworks employees. The researcher used Interview Schedule as the tool for data collection.

VI. RESULT AND DISCUSSION

The researcher conducted the survey related to industrial safety and well-being of fireworks employees in Sivakasi. Gender of the respondents show that 23.3 percent are male, 76.7 percent are female. The researcher conducted the survey question regarding safety measures of the employees in fireworks. 56.7 percent of respondent said there are no safety guards around the machines and 43.3 percent of respondent said there are safety guards around the machines. The next was asked about the safety measures during fire accidents. 100 percent of respondent feel adequate safety measures are taken during fire accidents. The next question was asked about the safety materials provided for the workers. 93.3 percent of respondents are provided with safety materials during the work, 6.7 percentage of respondent said they dont have safety materials during work. 96.7 percent of respondent feels that building and machines are maintained in proper way and 3.3 percent of respondent said there is no proper maintenance of building and machines. The researcher asked about air circulation in the company. 100 percentage of respondent said the air circulation is perfect in the industry. The next question was regarding conducting medical camps 100 percent of respondent answered there is no medical camp in the industry. Question was asked regarding their well-being of the employees in their workingplace.

100 percent of respondents said first aid box is available all the time. 100 percent of respondents felt the work place is always clean and neat. 100 percent of respondent said they have separate toilet facilities for men and women. And this question is asked because of the restroom is very essential for reduce their work pressure the 63.3 percent of respondent said they have restroom and 37.7 percent of respondent said there is no restroom for taking rest. The researcher analyzed the safety measures among the fireworks employees. The majority of the respondent said they have no safety materials so the respondent feel they need more safety materials while like gloves, face mask while they working near chemicals and machines in the factory. And they said they need medical camp 6months once. And they feel they need restroom for the relaxation in the break time. And they said the building and machines are maintaining in properway. These all the discussions are happened among the researcher

and the employees.

VII. CONCLUSION

Safety and well-being is very essential for firework employees because in fireworks they are handling dangerous things every day. So the safety measures are most important in the fireworks industry. In Sivakasi, most of the people working in fireworks industry mainly the rural people. They are handling chemicals which will affect their health too. According to the Factories Act, safety and well-being is very necessary. For safety fencing machinery, safety materials, air circulation are required. For well-being first aid kit, toilet facilities, cleanliness and medical camp are very essential. To promote the safety in work place risk assessment should be conducted in the workplace. investigation about the incident which happened and finding the root cause of the incident is also required to be examined. This will ensure the compliance with safety measures. Employees should also understand the risk in the workplace, reduce the stress, take regular break while working and wear safety equipment which suits the task in industry. Employees are to be motivated about safety and make the employee an important part of the companies culture, the leadership team should be champions of safety and use reinforcement in positive way. If some of these points are taken up by the factory, the workers will be working peacefully and protectively in their workplace.

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