

A STUDY OF SAFETY WORK METHODS IN THE CONSTRUCTION INDUSTRY-PERSPECTIVE CIDB

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ABSTRACT

This study about to solve problems related to the safety work method in the construction industry. This study was conducted to identify the problem occurred among workers at the construction industry in Malaysia, to propose the safety work method in the construction industry and to develop a new model of safety work method in the construction industry. Data collection will be conducted by using qualitative methods by interview CIDB construction personnel. The expected finding from this study is can provide a solution for reduced the problem accident among workers construction site for give the best protection while at the site. The conclusion, the contribution from this study is to develop a new model to reduce the problem about safety work in the construction building industry in the Malaysia. This study also can interpret or give scenario the good safety work method in the construction industry can reduce the accident at the site. The significant from this study is can provide a method for safety workers for reduce the accident at construction site, can give a clear picture about the methods use to improve the safety works and to emphasize the personnel construction to carry out these methods on an ongoing basis at the construction site.

Keywords: Safety Work Method, Construction Industry

INTRODUCTION

The construction industry is an important component in the economic growth of our country as the heartbeat of agriculture, mining, manufacturing and services. The economic crisis in mid-1997 has led to the construction sector was hit hard and the heat is still felt to this day. According to the Economic Report 2004/05, in 2004 the economy has grown to 7.1% and this is the fastest growth since 2000. However, according to the Governor of Bank Negara Malaysia, Tan Sri Dr. Zeti Akthar Aziz when announcing the GDP for the second quarter of 2005, the construction sector continued to decline for the fifth quarter and the second quarter of 2005, it had dropped to 2 percent.

However, the construction industry plays an important role and consistency in economic growth. In general, the country's economy can be seen in terms of infrastructure and demonstrate the

connection between the construction industry and the national economy where it is seen as one of the major industries in Malaysia. The progress of a country can be seen significant progress by looking at the successes construction of skyscrapers and big factories. In the construction industry is not about to make the building but also belongs to overhaul, break and keep building. The construction industry also includes iron work and electrical engineering projects other (CIDB Malaysia, 2004). The construction industry plays an important role and consistency in economic growth. In general, the country's economy can be seen in terms of infrastructure and demonstrate the connection between the construction industry and the national economy where it is seen as one of the major industries in Malaysia.

In the bustle and excitement many parties who wish to profit from this sector. The construction industry is an industry that plays a vital element in the national economy. The industry is also a generator in the economic development of the country through the 'multiplier effects' on other industries such as manufacturing, services, finance, and education. Currently, the construction industry has contributed to the national economy rapidly. In this case, the construction industry is one of the major contributors to the national economy and the construction sector is booming with construction existence in rural areas and rural areas effectively. This can be seen with the construction of mega-construction projects in the country such as Kuala Lumpur International Airport; KLIA), Project North-South Expressway Berhad (PLUS) and Penang Bridge.

STATEMENT OF PROBLEM

Research on safety work method in construction industry is broad attention in construction industry. The correct way of working is important in the construction industry as intended to prevent accidents to workers in the construction sector. Implementation of the workings of the construction industry is a sector that is dangerous. According (Jannaidi& Bu-Khamsin, 2002) construction industry is the most one the hazardous industries. The construction industry showed significant growth starting from the era of the Stone Age humans have started to create a home using natural resources either wood or stone. However, Today various methods have been discovered and used by human beings for construct buildings and infrastructure facilities. Malaysia is also not behind in keeping up with current technology, this construction. Agencies The government has played an active role and also among CIDB Public Works Department (PWD) (MohdSharulNizam, 2008).

YB Datuk Seri Dr Fong Chan Onn (Minister of Human Resources) 2007, informed, the construction sector is a catalyst or engine to development and economic growth. It is proved in the implementation of the 8th Malaysia Plan, where infrastructure development has priority to support economic growth. A total of RM38.7 billion has been spent to increase capacity and upgrade and repairing infrastructure networks and public facilities to meet increased demand and improve service quality. Within 9th Malaysia Plan, the focus will be on increasing coverage networks and use existing facilities more optimal for support economic activity. Among the construction projects that have been identified would be implemented within RM9 is the Penang Bridge, Development of Iskandar Malaysia in Johor and double-tracking railway project. A total of RM46.8 billion has been allocated for various projects in RM9.

LITERATURE REVIEW

Safety work method is related to attitude, behavior, system, and environmental factors which effectively means safety in construction. How to work safely has been a discussion in philosophy about the cause of the failure of a construction project and the processes involved responsibilities that must be played by employers and best practices that should be adopted to ensure safety in construction (Goetsh, D 2003).

The security aspect is important in the construction industry that have practiced and majored. However, the emphasis on safety in the construction industry is only as decorations to shoot only and should not be practiced with. This can be proved by the events that have become a black spot in the history of the country's construction sector at international level, namely the collapse of the roof of the Sultan Mizan Zainal Abidin Stadium in Gong Badak, Terengganu has invited not only people's attention, and even have caused the issue that has been issued at the international. This situation raises the concern and responsibility of the contractor in the completion of a project. (Sunday Times, 22 December 2009).

Safety in the workplace is a subject that should be considered by organizations in carrying out their responsibilities to protect the human resources (workers) (W.L. Eddie Cheng et al., 2004). In the construction industry, it's not a easy task to ensure the safety of workers. This is because the construction industry has recorded the highest rate of accidents (including disability and death) compared to other industries. Pursuant to Section 15 (1) of the Occupational Safety and Health Act 1994 (OSHA), it is the duty of every employer to ensure, so far as practicable, safety, health and welfare at work of all his employees. Section 16 This Act also requires that employers provide a policy or general policy written with respect to the safety and health of workers and the policies should be reviewed from time to time. It is clear that employers should compliance with any of the safety requirements laid down by the authorities.

Environmental Work

The situation environmental work is one way of influencing the work in the construction industry. Safe working environment is important for the comfort of the employees to do the work in comfort.

Safety awareness of top leader

In the construction industry, the top leader also has an important role in a construction project. The problem of accidents occurring on construction sites are actually more influenced by poor contractor management.

The lack of discipline by worker

According to A. Roy Duff (2001), describes the factors that surgery is among the reasons that can create crash. Among them are the failure to comply with either the attitude or misunderstanding about the instruction, use of equipment and machinery in the wrong way, do not use protective equipment workers or equipment are not enough other work under the influence of drugs and alcohol.

Safety awareness of workers

Roy Duff also said one of the factors that influence the accident at the construction site is negligence or an employee attitude are less careful work besides making rude jokes employee (Horseplay) when using equipment that has the potential to create accident.

Safety training

Liska et al., (1993) has also identified that safety orientation training to the employees to achieve zero accident rates on construction sites. Safety training is a fundamental problem in creating a safe environment while doing construction work.

Meeting safety on construction sites

According to Hinze and Figone (1988) contractors who hold a meeting or a special meeting on safety on the construction site between the site supervisor and staff involved in the construction sector has managed to reduce the number of accidents compared to a security meeting was an important step and should be implemented among staff involved the construction

Security checks on construction sites

DOSH is responsible for conducting inspections related to the safety and health at construction sites. Generally, this position will provide an assessment form known as Form security review to evaluate the safety and health at construction sites.

Safety equipment

Provision of safety equipment on construction sites is essential to establish a good security system at the construction site. This can be proved in sections 15, 16 and 30 of the Occupational Safety and Health Act 1994 (OSHA).

METHODOLOGY

The research methodology discussed about the method, process and procedure is needed to obtain data. Apart from that, the research methodology also for analyzed the data. This research followed a description in the information collected with various sources. In this case, the researcher has conducted a redundant to gain knowledge about using a study of safety work method in construction industry. Research methodology can be divided by two methods likes qualitative and quantitative method. The primary data and secondary data used in the qualitative method. Qualitative method can be conducted through interview, research and observation direct analysis and other way. Qualitative methods also refer to structure question that given to respondent to get information. Quantitative method mean is a implementing by using the software as known as the Statistical Package for Social Science (SPSS) to key in data from respondents.

This methodology is important to gain efficiency data and to get some knowledge and information to further the research study. This chapter describes concept applied for this study including methodology, research design, a description of the population and sample, the type of collection data and the analysis of data. This research analysis is done by the interview and support the data which primary data and secondary data. For further parking information obtained, data were also obtained through journal, articles, magazines, book and including

interview with the CIDB construction personnel. This stage is very important to elaborate the report at the end can provide an accurate report.

RESULTS AND FINDING

Many factor that have been found in the safety work method in the construction industry. Based on studies of safety work method in the construction industry discussed about the problem occur by safety work method on worker. According to A. Roy Duff (2001), the attitude of the workers who fail to comply with the instructions issued by their employer, such as not using safety equipment provided invite danger. Among them are the failure to comply with either the attitude or misunderstanding about the instruction, use of equipment and machinery in the wrong way, do not use protective equipment workers or equipment are not enough other work under the influence of drugs and alcohol.

In the construction industry, the employers have an important role in a construction project. According to AkhmadSuraji (2001), outlined three factors that cause accidents due to the weak management. Among them is the construction of the pipeline in terms of the less effective or efficient. In this aspect, the management has ignored the accuracy of a few things like the design of construction works, site investigation is less than perfect, less effective security planning and preparedness training for employees who are not perfect and fail to identify and assess the risks that exist.

RECOMMENDATIONS FOR FUTURE RESEARCH

This study offers and recommends direction for future research is strengthening the findings and overcoming suggested that can give the more knowledge to a future researcher. This research of study focused to identify a study of safety work method in the construction industry and to propose the best way to reduce the problem accident among the workers in the construction industry. There are suggestion can used in future research, firstly creating a technology and software to reduce the rate of accidents in the workplace. Secondly, research on methods to improve safety management in construction site is more focused on using quantitative methods. Thirdly, the research more too open up a wider scope is not made up of respondents CIDB but rather a questioner to the contractors and safety officer at the construction site.

CONCLUSION

As a conclusion, this study proves that there is a problem among works employed in construction industry. Many factors that cause problems for safe work method among construction workers that exist in the construction sector. The attitude of the workers is a major factor contributing to the accident at the construction site. How safe is an important work in the construction industry to reduce the percentage of accidents at construction sites that could lead to injury and death. Therefore, safe working methods should be taken seriously by all parties to create a safe working atmosphere and advance the construction sector in the country.

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