IDENTIFICATION OF PHYSICAL & ENVIRONMENTAL RISK AND HAZARD IN MANUAL HANDLING LABOURERS ON SACK HANDLING OPERATION AT KHANPUR PORT, NARAYANGONJ,DHAKA, BANGLADESH

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1. ABSTRACT

Introduction: A quantitative descriptive study was conducted to find out possible environmental and physical risk and hazard in manual handling operation in sack handling worker. It explores problems that occurred after doing sack handling operation in manually. And according to that problem provide some recommendation.

Methodology: Cross sectional quantitative Descriptive survey was used in this research. The sample selection was convenience sampling. Forty workers are selected for data collecting. Close ended questions was used in this research to obtain the information about the environmental and physical risk and hazard in manual handling operation. The researcher was collected data by a questionnaire set on a paper. The duration of data collection was 4- 6 weeks and the data was analyzed by statistical analysis.

Results: It was found that the worker of that port area suffers many physical and environmental problems due to lack of knowledge about safe working procedure and proper way of safety handling operation management. Different area in risk and hazards is come out. Worker in that port area is now in many risky and hazardous position and they need safety procedure immediately has come out from these data analysis.

Conclusion: Proper feedback of knowledge, with specific training needs for every worker who is doing manual handling operation. Also there is need a government monitoring agency to control and take care of the worker in any type of injury and also has to make some roles about load, wearing personal protective equipment has come out from these research.

Key word: manual handling operation, risk, hazard, environmental risk, physical risk.