

**IDENTIFICATION OF PHYSICAL & ENVIRONMENTAL RISK  
AND HAZARD IN MANUAL HANDLING OPERATION IN RICE  
MILLS AT KALIAKOIR-A SURVEY STUDY**

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March 2004

## **1. ABSTRACT**

### **Introduction:**

At work and in everyday life, postures and movements are often imposed by the task and the workplace. When people injury or suffer work-related disease which called occupational health problem. Manual handling is one of the oldest activities in the world. There are different types of activities in manual handling which carry lots of physical and environmental risk and hazard. In rice mills rice sac handling is big area of manual handling operation. In occupational therapy view risk and hazard is identifiable by work place assessment. There is a great lacking in systematic research on manual handling operation in Bangladesh.

### **Methodology:**

A quantitative prospective survey design was chosen for this study. Data collected from Kaliakoir Thana rice mills, Gazipur, Bangladesh. A sample of forty participants was selected by convenience sampling.

### **Analysis:**

The data was analyzed using descriptive of table and bar chart.

**Results:**

The study shows that majority of the workers are live in physical and environmental risk and hazard such as heavy load, uneven and slippery surface, long carrying distance, twisting movement, repetitive movement.

**Conclusion:**

Identification of risks and associated hazards is necessary recognition, control further prevention of work related injuries.

Key Words- **manual handling, risk, hazard, environment**