

Abstract

Sri Lanka Port city project was initiated with the expectation of economic development with a brand new city development built as an extension of the Central Business District of Sri Lanka's vibrant commercial capital, Colombo. With the identification of major risks in the project health and safety aspects were the key priority in terms audit action points. It was identified that there is no clear understanding on the specific factors affecting the efficiency of the workers due to health and safety issues in Port city project in Sri Lanka. Hence this research was carried out to assess the factors affecting the efficiency of health and safety of the workers in port city.

A mixed method research design consisting of qualitative and quantitative components was conducted among 120 port city workers. A questionnaire was used for data collection.

Responders were mainly local male skilled workers and only 22% had received safety training. Level of all four independent variables "Culture of the construction firm", 'Workers' behavior', 'Awareness of the workers' and 'Poor management practices within the organization' were high and the level of efficiency of health and safety was 4.09 (out of possible 5). All four independent variables had significant relationship with the outcome variable.

In conclusion, the current level of efficiency of health and safety of the workers in port city project was at a satisfactory level on which the culture of the construction firm had a greater bearing. It is recommended to have a review on the health and safety policy of the port city project and to have regular safety training programmes.

Key words: Construction health and safety, Organizational culture, Key influential factors, Efficiency of the workers.