

Demotivating factors of manufacturing industries effecting the implementation of carbon footprinting: Sri Lanka

Shirekha LAYANGANI¹ and Suneth DHARMAPARAKRAMA¹

¹ Department of Transport and Logistics Management, University of Moratuwa, Moratuwa, Sri Lanka

Abstract— currently carbon footprint is not a widely used term in Sri Lanka and also no standard procedures and processes are identified as to measure the carbon footprint of a particular organization. This research discusses the reasons as to why Sri Lankan manufacturing organizations are not motivated to implement carbon footprinting. Further it also identifies the benefits that a Sri Lankan manufacturing organizations can gain by implementing calculation of carbon footprint.

This paper has summarized the results obtained by the surveys and segregated depending on the level of annual sales of the manufacturing organizations. Further it has indicated the benefits that can be obtained by implementing carbon footprint calculation, depending on the level of annual sales of the manufacturing entity.

It is the aim of this research to support the business owners of Sri Lanka to identify the common prevailing barriers to implement carbon footprinting in Sri Lanka and to educate them on the benefits that can be gained by implementing carbon footprinting in Sri Lanka. Furthermore to direct the manufacturing industries in Sri Lanka towards a more healthy carbon free environment.

Key words— Carbon footprint, environmental management system, sustainability, supply chain management.

AUTHORS

A. Lect. Shirekha Layangani, is with the University of Moratuwa/ Department of Transport and Logistics Management, Moratuwa, Sri Lanka.

B. Suneth Dharmaparakrama, undergraduate student, is with the University of Moratuwa/ Department of Transport and Logistics Management, Moratuwa, Sri Lanka (e-mail: sunethchamarad@gmail.com).

Abstract received by 1 May 2015.