

**The impact of Green House gas emission on
Corporate Climate change Policies in Apparel
Sector Organizations in Sri-Lanka.**

By

L.F.D.Z Gunathilaka

M.Sc. in Management

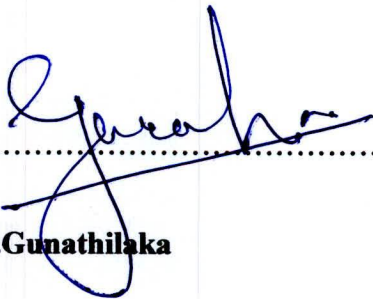
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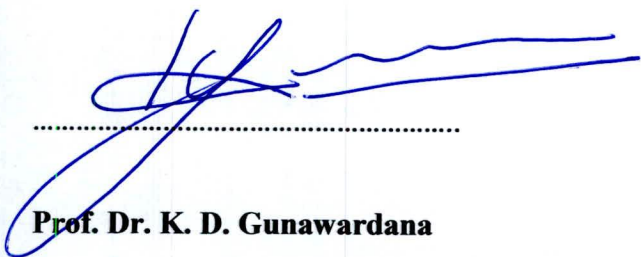
Thesis submitted to the University of Sri Jayewardenepura for the award
of the Degree of Master of Science in Management on 2013

The work described in this thesis was carried out by me under the supervision of Prof. Dr. K. D. Gunawardana and a report on this has not been submitted in whole or in part to any university or any other institution for another Degree/Diploma.

A handwritten signature in blue ink, appearing to read 'L.F.D.Z. Gunathilaka', is written over a horizontal dotted line. The signature is stylized and cursive.

L.F.D.Z. Gunathilaka

I certify that the above statement made by the candidate is true and that this thesis is suitable for submission to the University for the purpose of evaluation.



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ABBREVIATIONS

- CFC**-Chlorofluorocarbons
- CO2**-Carbon Dioxide
- CH4**-Methane
- CDA**-Computer aided design
- CDM**-Clean Development mechanism
- CAM**-Computer aided manufacturing
- CSR**-Corporate Social Responsibility
- ELV**-End of life Vehicle
- ERP**-Enterprise Resource Planning
- GHG**-Greenhouse Gas
- GWP**-Global Warming Potential
- GOLS**-Global Organic Latex Standard
- HFC**-Hydrofluorocarbons
- IPCC**-Intergovernmental Panel on Climate Change
- ICC**-International Competitive Coefficient
- ISO**-International Organization for Standardizations
- LCA**-Life Cycle Assessment

MFA-Malty fiber Agreement

N₂O-Nitrous Oxide

PFC-Perfluorocarbons

SF₆-Sulfur Hexafluoride

SAC-Sustainable Apparel Coalition

USDA-U.S Department of Agriculture

The impact of Green House gas emission on Corporate Climate change Policies in Apparel Sector Organization in Sri-Lanka.

Dedunu L.F.Z.G

ABSTRACT

Globally the Corporate Environmental Sustainability has become a focal point in all manufacturing & commercial activity, emphasizing attention to stay GREEN.

For the past decade an increasing number of companies around the world have been turning their attention towards environmental sustainability.

Many of the world's leading companies have taken a harsh look at the environmental -impact resulting from their operations and have set themselves challenging targets to achieve to minimize damage done in long term perspective. In today's increasingly competitive and uncertain economic climate, businesses small and large are looking for ways to lower the cost and increase the bottom line. Business is always under competitive pressure catering to a changing market place. The market is global thus your competition is also global. In present day manufacturing context where all are equal only the most efficient will survive.

The purpose of this study is to analyze different factors behind the disclosure of corporate Increased atmospheric CO₂-concentration is widely being considered as the main driving factor that causes the phenomenon of global warming. This paper attempts to shed more light on the role of atmospheric CO₂ in relation to temperature-based on a review-assessment of existing related literature. It is pointed out that there has an as exact impact that CO₂ has on global warming. This study will help to understand about awareness level and future strategies towards emission reduction and global warming.

Global warming has become familiar to many people as one of the most important environmental issues of our times. In this research will describe the impact of green house gas in Apparel and Textile industry in Sri-Lanka. As commonly understood, global warming refers to the effect on the climate of human activities, in particular the burning of fossil fuels (coal, oil and gas) and large-scale deforestation—activities that have grown enormously since the industrial revolution. These activities are currently leading to the release of about 7 billion tons of carbon as carbon dioxide into the atmosphere, each year, together with substantial quantities of methane, nitrous oxide and chlorofluorocarbons (CFCs).

The accumulation of carbon dioxide in the environment is recognized as a major contributor to the problem of global warming caused by greenhouse gases. Reducing carbon emissions and other air pollutants is a major challenge in Organizations. This paper was directed towards apparel sector organizations and their emission reduction programs through green supply chain management. (GHG) emissions are caused by a particular activity or entity, and thus organizations and individuals can easily assess their contribution to climate change.