

Framework Development of Carbon Management Software Tool in Sustainable Supply Chain Management of Indian Industry

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Abstract : This framework development explored the status of GSCM in manufacturing SMEs and concluded that there was a significant gap w.r.t carbon emissions measurement in the supply chain activities. The measurement of carbon emissions within supply chains is important green initiative toward its reduction. The majority of the SMEs were facing the problem to quantify the green house gas emissions in its supply chain & to make it a low carbon supply chain or GSCM. Thus, the carbon management initiatives were amalgamated with the supply chain activities in order to measure and reduce the carbon emissions, confirming the GHG protocol scopes. Henceforth, it covers the development of carbon management software (CMS) tool to quantify carbon emissions for effective carbon management. This tool is cheap and easy to use for the industries for the management of their carbon emissions within the supply chain.

Keywords : w.r.t carbon emissions, carbon management software, supply chain management, Indian Industry

Conference Title : ICESE 2014 : International Conference on Environmental Science and Engineering

Conference Location : Melbourne, Australia

Conference Dates : December 16-17, 2014