

CARBON NEUTRALITY, CARBON FOOTPRINT AND CIRCULAR ECONOMY INDIAN INITIATIVES TO COMBAT CARBON FOOTPRINT

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DOI: 10.5958/2249-7137.2024.00012.X

ABSTRACT

The digital revolution has surpassed the interdependency of business to a greater height. Business organizations are involved in various interactive activities. Transition to digital technology through the extraction of resources has made businesses, widen the scale of operation. With positive developments, the global climatic environment has impacted India, the country is in 3rd place next to China and the USA. The government needs to build better policies for better lives. The man-made industrial revolution has pushed positive productive activities, as well, as caused a negative environment, and imbalance. Activities are measured based on emissions and carbon footprint. Carbon footprint is caused by to overall consumption of materials and energy, flora and fauna confiscation, as well as direct and indirect emissions caused by import and export of trade. World mineral extraction has manifolded 4 times, from 28 Gt to 101 Gt as of 1971 to 2021. This extraction is expected to move 6 times higher, by 2050. Based on this background, the study objectives are, to examine actions taken by India through policy developments to combat the carbon footprint, in aligning the domestic policy to cooperate with global agreements. Secondly, the readiness of Indian business organizations, to develop a systematic sustainable model, to mitigate environmental hazards. Selective case instances are taken from the Indian context to understand green industrialization. Lastly, a study has analyzed using statistical infographics with trend and time series, to understand the cumulative average rise in carbon footprint based on sector-wise variation.

KEYWORDS: Carbon Footprint, Neutrality, Circular Models, Policy.

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