

Interlinkage of United Nations' SDG 1 "No Poverty" and SDG 2 "Zero Hunger" Goals: A Study on India with World Development Indicators

Dr. Paritosh Chandra Sinha¹ and Koyel Majumder²

¹ Department of Commerce, Rabindra Mahavidyalaya, Hooghly, W.B.
e-mail: paritoshchandrasinha@gmail.com

² Department of Commerce, Rabindra Mahavidyalaya, Hooghly, W.B.
E-mail: koyelmajumder375@gmail.com

Abstract

The United Nations' (UNs') Sustainable Development Goals (SDGs) provide a comprehensive framework for addressing global challenges ranging from poverty and hunger to inequality and climate change. Among these, SDG 1, "No Poverty," and SDG 2, "Zero Hunger," are intrinsically linked since the both seek to eradicate the root causes of deprivation, suffering, and malnutrition, which disproportionately affect vulnerable populations worldwide. These goals are not isolated objectives but are part of an integrated approach to achieving broader social and economic development. In exploring this expected interrelationship of interconnectedness, the present study has examined the World Bank's sustainable performance indicators for SDG 1 and SDG 2 along with the World Development Indicator variables empirically over the study period of 2004 to 2022. The study has employed correlation analysis, causality analysis, and cointegration analysis methodologically. The results show that with the sustainable performance indicator (SPI) data, there exists little causality or interlinkage between "No Poverty" i.e., SDG 1 and "Zero Hunger" i.e., SDG 2, in the context of India. The variable measures are either insufficient to examine the true theoretical interrelations between the variables of two sustainable development goals or the development performance of India is an exception of the said theoretical relationship, if so, exist in reality. However, there is presence of long-run speed of adjustment which runs out of self-targeting motives for both the SDG variables rather than through the impetus from the other development variable. Nonetheless, the world development indicators appeared to be ineffective in addressing the "Zero Hunger" as a sustainable development goal while the same are very much effective to address the goal for "No Poverty".

Key Words: Interlinkage of Sustainable Development Goals (SDGs); No Poverty and Zero Hunger; Causality and Intercorrelation; Sustainable Performance Indicator (SPI); and World Development Indicator (WDI).

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