

PUBLIC INFRASTRUCTURE AND AGRICULTURAL PRODUCTIVITY GROWTH:

AN EVALUTATION OF PAST 3 DECADES SCENARIO IN INDIA

ABSTRACT

Most of the recent research works are based on analyzing the relationship between infrastructural development and economic growth in India. But, the present dissertation work, aims to analyze the impact of basic infrastructural development like roads, irrigation, and electricity on the agricultural productivity in India. The study aim is also evaluate the crop diversification in respect to public infrastructural growth for the past three decades in India. Trongvist-theil index and Simpson index on diversity were used to calculating the total factor productivity and crop diversification. The result shows that the rainfall variable is statistically significant and positively influences the TFP, whereas electricity is negatively impacting the TFP. The present research work concludes with the observation that the public infrastructure helps to increase the total factor productivity in India.

Keywords: total factor productivity, crop diversification, irrigation, road density, electricity, India.

JEL Classification: Q1; R12; R14; R52; R53