

Power Sector Development With Carbon and Energy Taxes

AN ASSESSMENT IN SIX ASIAN COUNTRIES

Ram M. Shrestha

This book presents country-specific analyses of the effects of carbon and energy taxes on the development of the power sectors of *China, India, Indonesia, Sri Lanka, Thailand* and *Vietnam*. The implications of the taxes on capacity requirements, the mix of renewable- and fossil fuel-based power generation technologies and energy resource-mix in electricity generation were assessed.

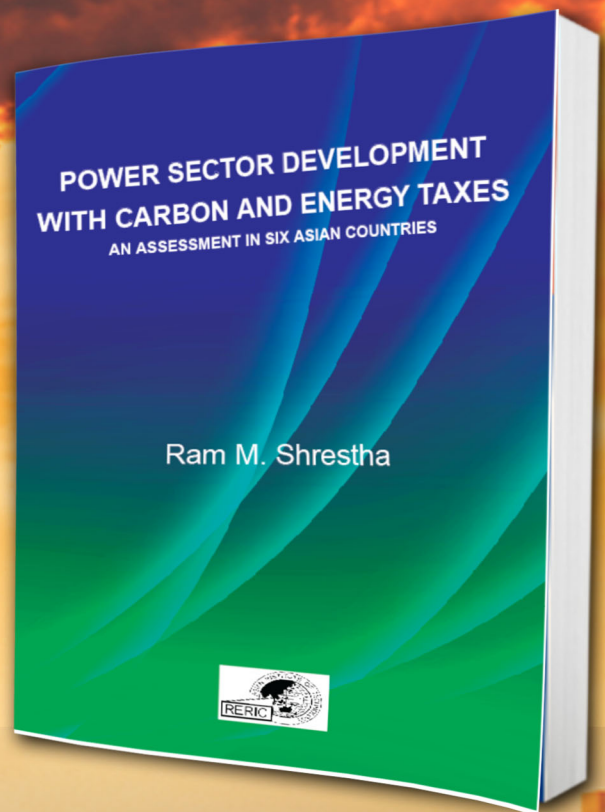
Effects of the taxes on overall efficiency of thermal power generation, capacity utilization and emissions of CO₂, SO₂ and NO_x as well as the estimates of the the carbon and energy tax elasticities of CO₂ emissions from the power sectors from each countries were also discussed.

The book also addresses the roles of changes in the demand- and supply-sides due to the taxes in the reduction of CO₂ emissions and includes the methodological framework used to analyze the various effects in the studies.

This 252-page book will be of significant interest to researchers and climate and energy policy makers involved in the sustainable development of the power sector in developing countries.

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