

Review of Clean Development Mechanism in Energy Demand Sector

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Abstract

This paper gives an insight into Clean Development Mechanism (CDM) projects related to energy demand and their methodologies. A total of forty three registered projects were implemented in the year 2011 using 10 methodologies across 10 countries. Most commonly used methodologies are, demand-side activities for efficient lighting technologies with fourteen projects; demand-side energy efficiency activities for specific technologies with ten projects and baseline methodology for steam optimization system with ten projects. The CO₂ equivalent (CO₂e) emission reductions from all forty three projects in energy demand are 20,32,376 metric tons. Thirty one CDM projects have been implemented in India from 2006 to 2011, resulting in 11,64,188 metric tons of CO₂e reduction, which is 57% of total reduction from all forty three projects. Thus, it is effective to have CDM projects in the area of energy demand as significant amount of CO₂e reductions are obtained through such projects.

Key words: *Energy demand, Clean Development Mechanism, CDM Methodologies, steam optimization system, demand-side energy efficiency activities*