



CER *Fact Sheet*

NAME	PoA 3223: CFL lighting scheme – “Bachat Lamp Yojana”
LOCATION	Programmes of activities spread across India
PROJECT TYPE	Energy efficient lighting
METHODOLOGY	AMS-II.J. ver. 3 – Demand-side activities for efficient lighting technologies
REGISTRATION DATE	29 April 2010
UNIT TYPE	UN Small-Scale CDM Programme of Activities (CDM SSC-PoA)
VOLUME	Volume available upon request
UNFCCC NUMBER	PoA 3223
CDM REGISTRY LINK	https://cdm.unfccc.int/ProgrammeOfActivities/poa_db/CZ59J1XMR8K4ELUS6WY3BA0IVTGQ2F/view
SUSTAINABLE DEVELOPMENT	Document attached



SUSTAINABLE *Development*

The Bachat Lamp Yojana PoA is a scheme developed by Bureau of Energy Efficiency to promote energy efficient lighting in India. There are no mandatory requirements in India requiring the use of energy efficient Compact Fluorescent Lamp at the household level.

Domestic appliances and lighting sector accounts for almost 22% of the total electricity demand in India, and contributes almost fully to the peak load as well.

It is estimated that there are over 400 million light points in India lighted using Incandescent Lamps (ICLs). ICLs are extremely energy in-efficient, with just 5% of the electricity input converted to light. The remaining is lost as heat. In recent years the Compact Fluorescent Lamp (CFL) has emerged as an energy efficient alternative, as a CFL uses only one-fifth as much electricity as an ICL to provide the same amount of illumination.

The replacement of the ICLs by CFLs would lead to a potential reduction of over 6,000 MW in electricity demand. The replacement potential of ICLs with CFLs is also borne out of the fact that in the year 2008, ICL sales in India were 734 million whereas CFL sales were just 199 million. The penetration share of incandescent lamps for lighting in commercial and residential sector put together is thus nearly 80% in India.

The efforts of the Bureau of Energy Efficiency under the Bachat Lamp Yojana scheme are focused towards enhancing the uptake of CFLs. The demonstration of energy savings using quality long-life CFLs under the Bachat Lamp Yojana scheme would bring about consumer trust in using CFLs.

The Bachat Lamp Yojana scheme focuses on building credible public-private partnerships wherein resources from both entities are pooled in together to procure, distribute and monitor CFL use in households which are likely to be institutionalized over a period of time. The enhanced consumer confidence should result in higher CFL demand leading to sustainable market transformation to CFLs.

To bridge the cost differential between the market price of the CFLs and the price at which they are distributed to households, the Clean Development Mechanism (CDM) is harnessed.