



# Project Brief

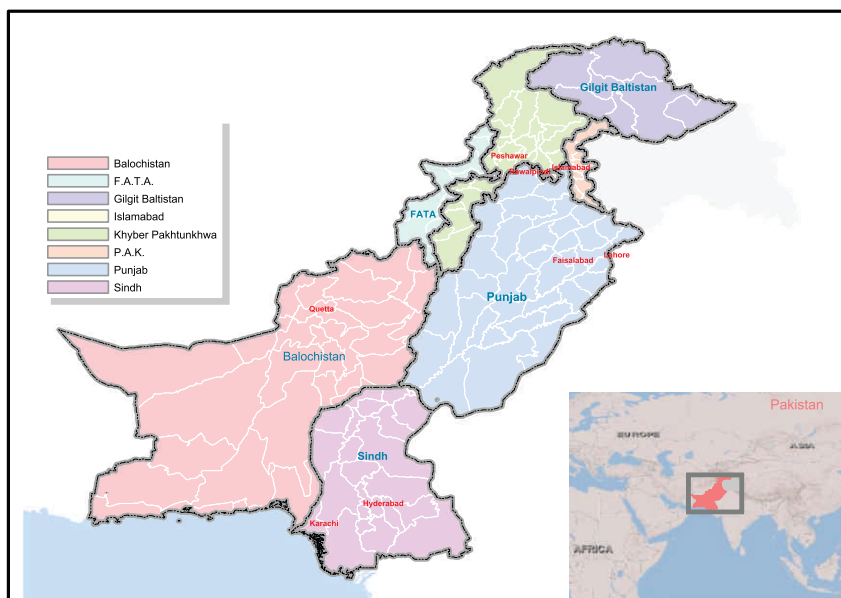
## Barrier Removal to Energy Efficiency Standards and Labeling



Pakistan

### Quick Facts

- Duration: 1 January 2010- 31 December 2013
- Funding Partners: Global Environment Facility
- Geographical Location: Countrywide
- Annual Budget (2013): USD 0.192 Million



“Barrier Removal to the cost-effective development and implementation of Energy efficiency Standards and Labeling” is a regional project being implemented in six countries of Asia region, namely, Pakistan, Bangladesh, Indonesia, China, Thailand, and Vietnam. The regional project management unit (RPMU) is located in China funded by Global Environment Facility.

In Pakistan, “Barrier Removal to the cost-effective development and implementation of Energy efficiency Standards and Labeling” is being implemented by United Nations development Programme with ENERCON being the implementing partner. Its implementation commenced in 2010 and is expected to be completed in 2014.

It focuses largely on capacity building and assisting government, manufacturing, distributing, retail, consumer and environmental stakeholders throughout the Asian region to implement the most cost-effective energy efficiency measures available. In each participating country, priority activities are being carried out to help foster each country's preferred process for developing or expanding its efficiency standards and labeling program.

### Objectives

The project targets at rapidly accelerating the adoption of Energy Standards and Labels in Asia, and in doing so bring about energy savings through the use of energy efficient appliances/equipment. The project also aims to facilitate harmonization of test procedures, standards and labels among developing countries in Asia.

Project includes six areas of intervention, i.e, fans, motors, compact fluorescent lamps, ballasts, refrigerators and air conditioners. It includes regional harmonization between six member countries, i.e, Bangladesh, China, Indonesia, Pakistan, Thailand and Vietnam. Pakistan has been nominated as lead country for fans.

## Expected Results

Energy standards and labeling regime is expected to reduce the energy consumption in residential and commercial sectors by 10%, once it is implemented in Pakistan.

## Main Achievements

Energy Efficiency Testing Protocols have been adopted for all the six targeted appliances.

### Minimum Energy Performance Standards:

- Minimum energy performance standards have been developed, approved/adopted and notified for Fans, CFLs, Electronic and Magnetic Ballasts.
- Minimum energy performance standards for electric motors are under process of approval.
- Minimum energy performance standards for air conditioners and refrigerators are under development/approval.

### Labeling

- Labeling procedure along with logo to be affixed on appliances has been approved by the project steering committee.

### Policy

- Pakistan Energy Efficiency and Conservation Bill submitted to Ministry of Water and Power for passage by the Parliament.
- Policy for energy efficiency and labeling submitted to Ministry of Water and Power for approval by the Federal Cabinet.

### Harmonization

- Feasibility Study Report for fans has been revised/updated
- Minimum energy performance standards for fans and CFL are being harmonized with other participating countries.

- Barrier Removal to the cost-effective development and implementation of Energy efficiency Standards and Labeling specifications for testing protocols and energy efficiency standards for fans have been developed.

### Coordination among Stakeholders institutions/organizations

- Effective coordination among stakeholders particularly ENERCON, PSQCA, PCSIR and universities
- Technical Working Group instituted for assistance of fans industry in Pakistan for improvement of energy efficiency

### Capacity Building

- Focused group workshop on energy standards and labeling regime
- Technical trainings for PSQCA and PCSIR staff in China
- Technical training on improvement of energy efficiency in fans industry

### What's Next?

- Promulgation of Pakistan Energy Efficiency and Conservation Bill
- Approval of energy standards and labeling policy by Federal Cabinet
- Harmonization of energy efficiency testing protocols
- Harmonization of Energy Efficiency Standards
- Launching/Implementation of energy standards and labeling Regime

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