

# Capacity Building for Distributed Renewable

## Constraints

- Variety of technologies, require different professions – Even with one technology, it requires professions in generation, distribution, sales/operations and maintenance
- Rapid change technology, prices and business models
- Few renewable projects have been implemented in the country

## Capacity building requirements should be look at 3 levels

- National Institutions:
  - Ministry responsible for Energy: design favorable policy – Need for demonstration/pilot projects
  - Rural Electrification Agency to identify renewable energy resources, map areas suited for distributed renewable, undertake studies and appraise projects
  - Regulatory Authority to formulate appropriate guideline and licensing to create good enabling environments to enable private companies to implement RE mini-grids.
  - Academic and research institutions involved in training and research.
  - Electricity utility to analysis the suitability of the grid to absorb grid connected renewables.
- Private sector: Lack of the broader understanding of distributed renewable technologies, skills for design, installation and maintenance (consultants, developers and financial institutions)
- Local communities: To be able to organize themselves, operate and maintain isolated renewable energy systems