



ঢাকা চেম্বার অব কমার্স অ্যান্ড ইন্ডাস্ট্রি

The Best of Bangladesh is Business®

**Dhaka Chamber of Commerce & Industry (DCCI)**  
65-66, Motijheel C/A, Dhaka- 1000, Bangladesh

## **Presentation on**

**Science Technology and innovation as an Enabler of  
Promoting National and Regional Renewable Energy  
Technology Innovation Systems**

Presented by:  
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***Dhaka Chamber of Commerce & Industry (DCCI)- A voice of confidence and credence in Bangladeshi business Arena.***

- DCCI established in 1958 and is the pioneer business representative aiming to promote trade, investment, and industrialization in the country.
  - The Best of Bangladesh is Business- the motto that enabled DCCI to successfully support the business community.
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- DCCI bridges between government and entrepreneurs, stakeholders and service providers and media to uphold business interest.
  - Country's largest Chamber having around 14,000 members.
  - DCCI puts forward recommendations on trade and investment related issues to the government to incorporate those in the govt. policies.
  - Membership composition is – Export 30%, Import 30%, Sales & service 20%, Manufacturing 20%
  - Mostly driven by large number of SME sector.

# Bangladesh Energy Sector-at a Glance

- Installed National Capacity-8304MW
- 84% of Total capacity Generated from Natural Gas-High Dependency
- Access to Electricity-49%

# Where we are...



1.5 million Solar Home System (SHS)



30+ solar water pumping system



1 MWp of solar hybrid solution



5MW solar rooftop installation



138+ solar powered BTS

# In the pipeline...

- Another 4 million SHS under IDCOL financing
- Six solar module PV manufacturing facility of 80MW
- 300 Solar powered BTS
- Another 200 Solar Irrigation System for the pilot phase
- Around **2MW** of roof-top solar solution is planned in Govt. & private sector
- Gob. Policy Target of Installing
  - 340 MW of Commercial Solar Power Projects
  - 160 MW of Social Solar Power Projects



# Two key focused areas for us

*A large agrarian economy hugely dependent on rice irrigation...*

*Solar powered  
irrigation*



*Increasing urbanization...*

*Roof-top solar  
solution*



# Roadmap for 2015

## 500 MW Solar PV 1.25b USD (BDT 10,625 Crore)

<b>Roll out</b>	<b>: 150MW</b>	<b>150MW</b>	<b>200MW</b>
<b>Year</b>	<b>: 2012-13</b>	<b>2013-14</b>	<b>2014-15</b>
<b>Development Fund</b>	<b>: 1650 cr</b>	<b>1650 cr</b>	<b>2200 cr</b>
<b>Soft Loan (FI)</b>	<b>: 900 cr</b>	<b>900 cr</b>	<b>1200 cr</b>
<b>Private Investment</b>	<b>: 640 cr</b>	<b>640 cr</b>	<b>845 cr</b>

# SHS Program- at a Glance

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- The Program started as a key component of the rural electrification and renewable energy development project of the World Bank
- The initial target of installing 50,000 SHSs was achieved through 15 partner organizations in August 2005
  - 3 years ahead of deadline and US\$ 2 million below the estimated cost
  - At present 30 Pos are installing SHSs
- Subsequently GIZ, KFW, ADB, IDB and others extended support
- IDCOL has revised its target to 4 million SHS by 2015
- It is one of the fastest growing renewable energy programs in the world



# Achievements



## ● Status:

**1.9 million Solar Home Systems installed up to January 2013 (equivalent to 95 MW)**

- **Monthly installation is 60,000 systems**

## ● Beneficiaries:

**9.5 million, 5.5% of the population**

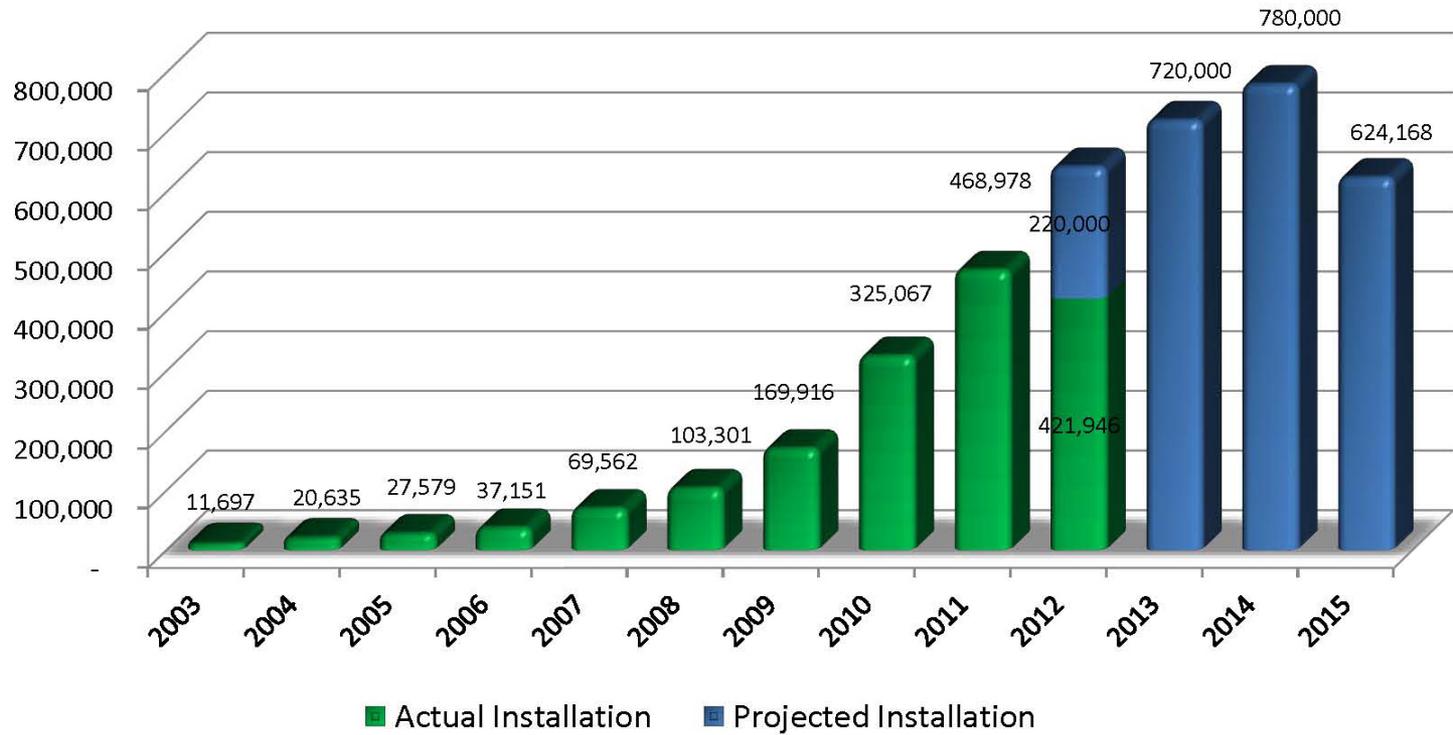
## ● Savings:

**110,000 tons of kerosene worth USD 90 million per year**

## ● Job creation:

**30,000 direct and 40,000 indirect**

### Installation of SHS



# Biogas Program- at a Glance

- With support from SNV and KfW, IDCOL undertook biogas program in 2006
- The objective is to develop and disseminate domestic biogas plants in rural areas in Bangladesh
- 38 NGO/MFIs/private firms are working under the program
- IDCOL provides grant and refinancing facility and technical assistance to its partner organizations
- A total of 1,00,000 biogas plants will be financed by 2016
- Up to January 2013 about 26,000 biogas plants have been constructed

# Government Initiatives for RE

- ✓ Remote area power supply systems guidelines were adopted in 2007
- ✓ Sustainable and Renewable Energy Development Authority (SREDA) Act 2012 has been enacted
- ✓ Rules under SREDA is being prepared with support from ADB
- ✓ The rules will provide for licensing of suitable areas for mini-grid projects through Public-Private Partnerships (PPP)



**IDCOL SHS program**



**11.2 kW solar irrigation pump**



**100-kW solar mini-grid project**



**IDCOL Biogas program**



**Solar powered solution for telecom tower**



**Biomass gasification based power plant**

Thank You  
for your patient hearing