



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:
Nessar Maksud Khan
Senior Vice President, DCCI
13 March, 2013



***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)

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

SHS Program- at a Glance

- 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

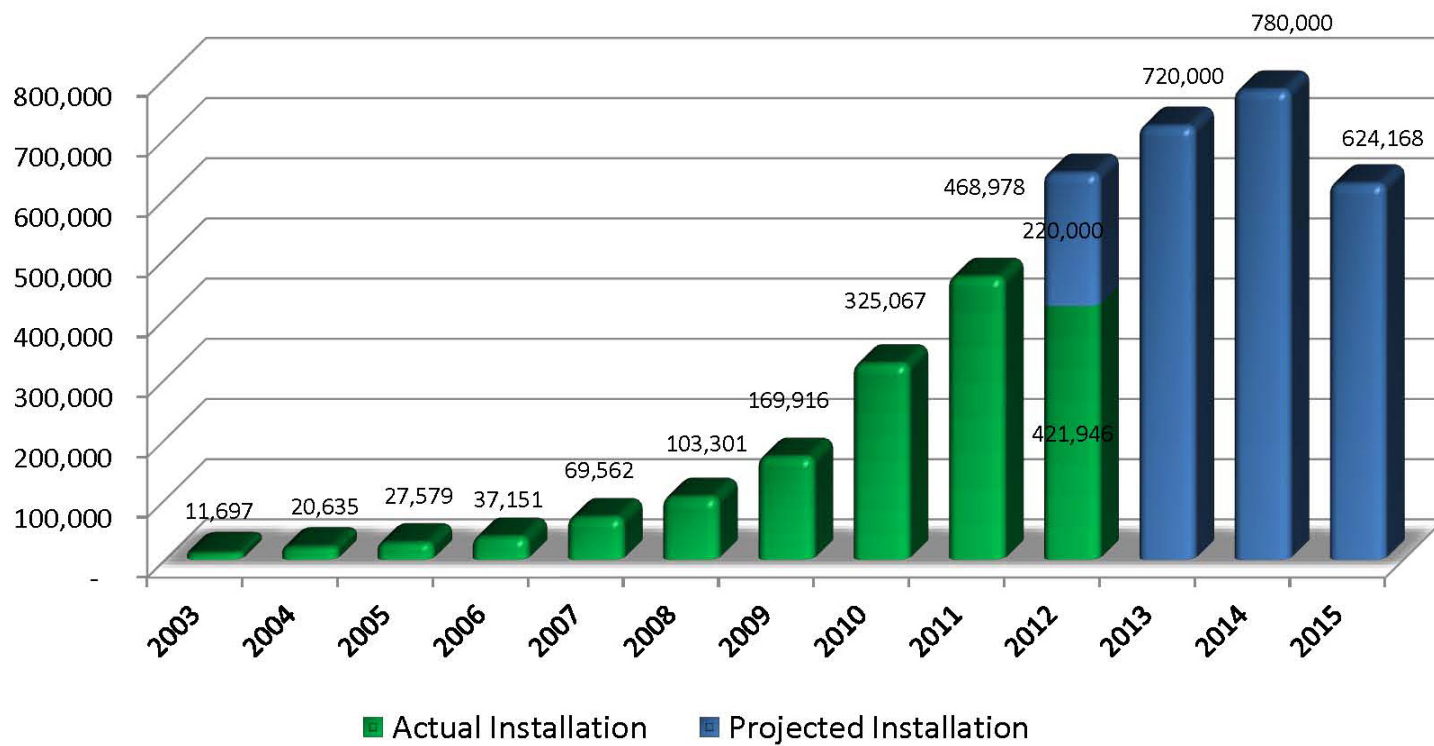
● Savings:

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