
INDC of Bangladesh & Approach of Eco-Village Development (EVD) for Achieving Sustainability

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Focus of Bangladesh

**Vision 2021**

*Energy For All*

- 10% Electricity from Renewable Energy (RE) by 2020
- 170 MW Electricity from solar by 2015 under Rural Electrification Program
- 4 Million Solar Home Systems installed & 20 Million people get benefit

*1.7 Million Solar Home Systems installed by Grameen Shakti so far*
INDC of Bangladesh

• Bangladesh’s emission- less than 0.35% of global emission

• Without any ambitious action by world, the cost to Bangladesh of climate change – annual loss of 2% of GDP by 2050 & 9.4% of GDP by 2100

Aim of INDC:

- To limit temperature to two degrees or preferably 1.5 degree above pre-industrial level.

- To move to a low-carbon, climate resilient economy with ensuring it will not cross the average per capita emission of the developing world.
Mitigation Contribution

Three sectors have been focused in INDC: Power, Transport, and Energy.

**Unconditional Contribution**
Bangladesh would reduce 5% below Business as Usual level of emission from these sectors by 2030.

**Conditional Contribution**
- Bangladesh would reduce 15% below Business as Usual level.
- It depends on international supports like Finance, Investment, technology development & transfer & capacity building.

![Graph showing GHG emissions (MtCO2e) for Power, Transport and Energy demand in Industry to 2030.](image-url)
Existing Mitigation actions in INDC

Focus of Eco-Village Development (EVD)

The Solar Home Program providing electricity to off-grid villages
4 Million homes connected by solar power

Improved Cooking Stove all over the country
1.5 Million ICS

Biogas plant all over the country
50,000 Biogas plants

Solar Irrigation pump replacing diesel
300 pumps in field with target of 1,550 by 2017
### EVD partner in Bangladesh: Grameen Shakti
**Outreach: Till April 30, 2016**

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<th>Solar Energy</th>
<th>1.7 Million Solar Home Systems</th>
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<td>Biogas</td>
<td>32,000 Biogas Plants</td>
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<td>Improved Cook Stove</td>
<td>950,000 Improved Cooking Stoves</td>
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<td>Better Life</td>
<td>Above 18 Million Beneficiaries</td>
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5/25/2016
EVD Solution: Solar Home System
Ensuring sustainability

1.7 M Solar Home Systems installed by Grameen Shakti

8.5 M villagers get benefits

180 M liter of Kerosene saved
Adaptation issue in INDC: Key area to address adverse impact of climate change

1. Food security, livelihood & health protection
2. Comprehensive disaster management
3. Costal zone management
4. Flood control & erosion
5. Climate resilient infrastructure
6. Increased rural electrification
7. Enhanced urban resilience
8. Eco-system based adaptation (Forestry co-management)
9. Community based conservation of wetland & coastal areas
10. Policy & institutional capacity building
Thanks and...

...do it with joy