

Side Event: South Asian Eco-Village Solutions in NDCs and Climate Finance -
Renewable Energy and Organic Farming at
UNFCCC SB44, Bonn. 16.45 - 18.15, 20 May 2016, Room: Berlin

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

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Grameen Shakti



inseda



women's action for development

INFORSE-South ASIA

International Network for Sustainable Energy



Grameen Shakti



IDEA



Proceedings : www.inforse.org/europe/conf16_SB44-Bonn.htm www.inforse.org/asia/EVD.htm

UNFCCC SB44: <https://seors.unfccc.int/seors/reports/archive.html>

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 & Energy

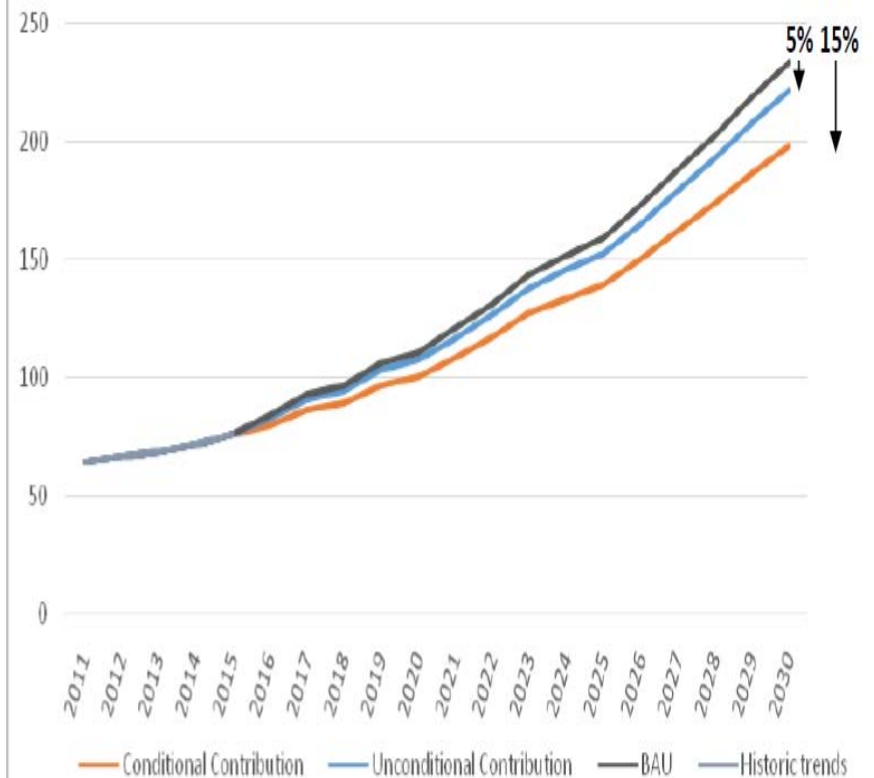
Unconditional Contribution

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.

GHG emissions (MtCO₂e) for Power, Transport and Energy demand in Industry to 2030



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

Solar
Energy

1.7 Million Solar Home Systems

Biogas

32,000 Biogas Plants

Improved
Cook
Stove

950,000 Improved Cooking Stoves

Better
Life

Above **18 Million** Beneficiaries

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. Coastal 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

