



**COP26 2021**

**5 November 2021**  
11.30 AM - 12.45 AM (UK time)



**Local Climate Solutions & Eco-Village Development, 100% RE in NDCs,  
East Africa, South Asia, Europe**

## **Eco-Village Development in Bangladesh**

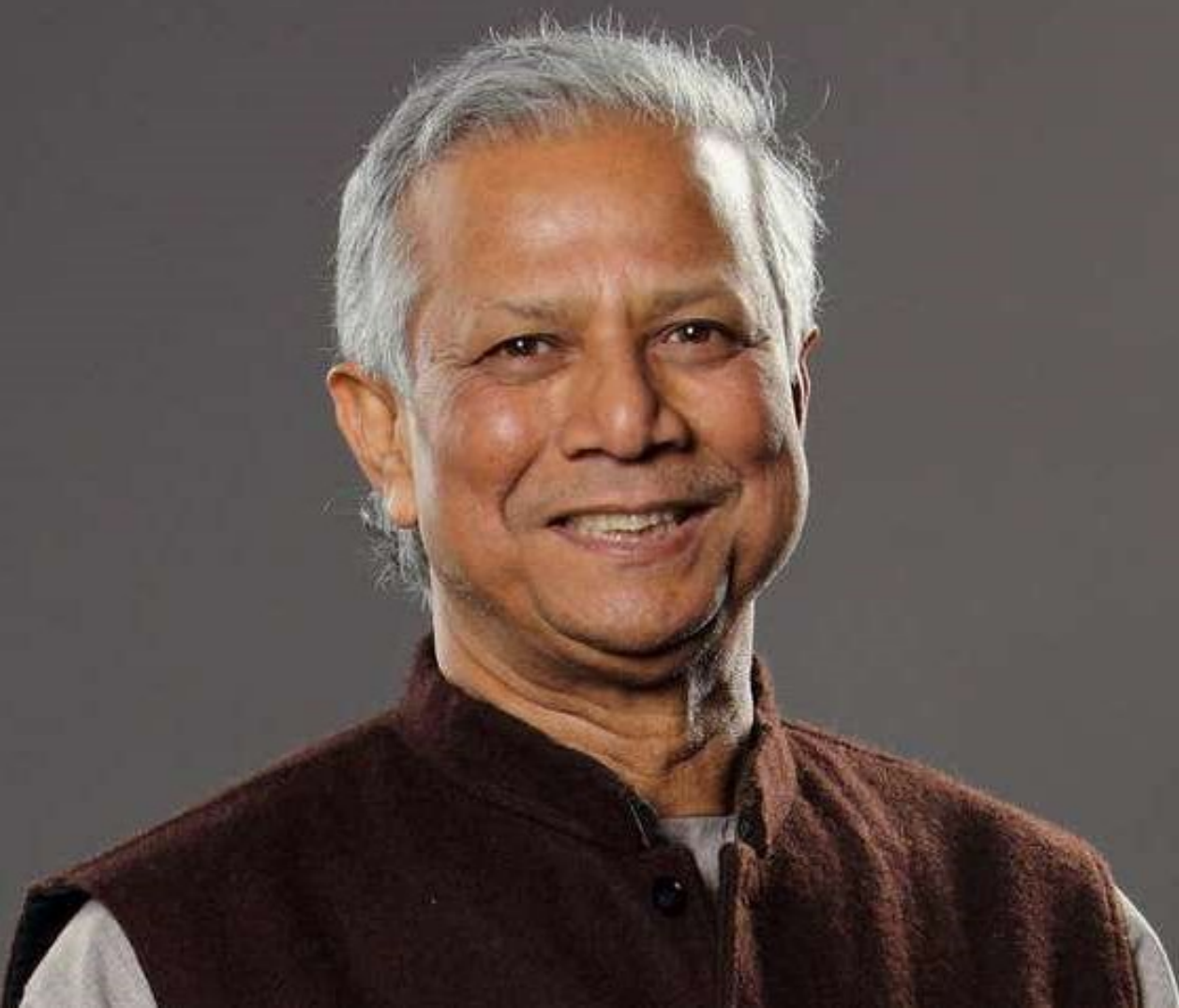
**Eco-village Development as Key Climate Solutions, also in NDCs**

**Sohel Ahmed**

Managing Director

Grameen Shakti, Bangladesh





**Grameen Shakti** was  
established in **1996** as a  
Not-for-profit company by  
Nobel Laureate

**Professor Muhammad  
Yunus**

with the Objective of providing  
**Access to Energy** to  
the rural people of Bangladesh



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## Major Achievements

Solar Home System



**1,80,0000**

units installed

**397,417**

CO2 reduction/annum

Improved cooking stove



**1,000,000**

units installed

**124,069**

CO2 reduction/annum

Biogas plant



**35,000**

units installed

**890,862**

CO2 reduction/annum

**Total 15,00,000 CO2 reduction/annum**



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# Eco-Village Development

Grameen Shakti is Country **Focal Point** of **INFORSE** as well as one of the **Founders** for **INFORSE-South Asian Chapter**



**Eco-village Development (EVD)** is an integrated socio-economic development concept, in which Individual Solution combines in clusters to provide synergic benefit to the **COMMUNITY**



# Nationally Determined Contributions (NDCs)

## Adaptation Focus

1. Community based conservation of wetlands & **coastal areas**
2. Increased Rural Electrification
3. Salinity intrusion and **coastal protection**
4. Food security, livelihood & health protection (incl. **water security**)

## EVD Solution

1. Rain water harvesting System
2. Solar Home System
3. Solar Drinking water pump
4. Saline tolerant crop cultivation





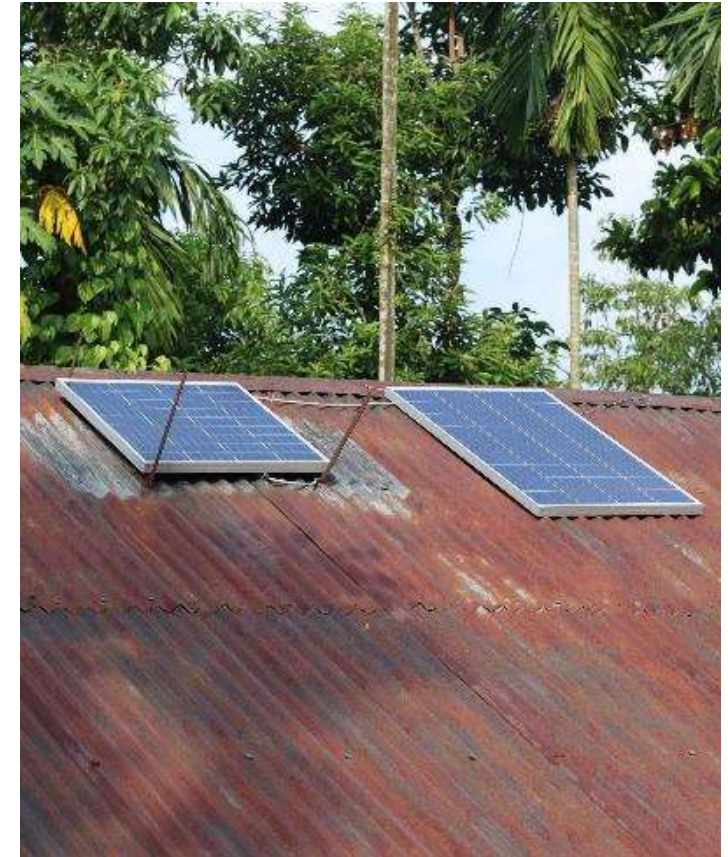
# Nationally Determined Contributions (NDCs)

## Mitigation Focus

1. Providing **off-grid electricity access** to rural areas
2. **Lower emissions from agricultural land**
3. **Replacement of biomass** fuel for household
4. Increase the share of **organic manure** in fertilizer mix

## EVD Solution

1. Improved Cook stove
2. Solar Home System
3. Biogas for cooking
4. Bamboo made slurry pit
5. Organic fertilizer



## Adaptation Solutions for Climate Vulnerable Coastal Communities



### Clean Drinking water from Rain Water Harvesting System (RWHS)

We will implement model of  
RWHS for household, will  
develop model for scale-up



### Saline Tolerant crop Cultivation

Will introduce Saline Tolerant  
crop variety to the coastal  
farmer.



### Floating Garden

Will train costal communities to  
grow vegetable in floating  
garden.



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## Mitigation Solutions for Climate Vulnerable Coastal Communities



**Clean Cooking Solution**

Will introduce clean cook stove in new areas and will create awareness for scale-up



**Solar Nano-grid (P2P)**

Will introduce the solar Peer-to-peer electricity trading concept for optimization of existing SHSs



**Portable Biogas plant**

will introduce portable biogas plant and will promote this for further dissemination



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30.09.2021

UK PRESIDENCY

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THE CONFERENCE

PRE-COP

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TOGETHER FOR OUR PLANET

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# FEATURE FILM: 'THE SALT IN OUR WATERS', AN EPIC TALE FROM BANGLADESH'S CLIMATE FRONTLINES – CERTIFICATE 15

Made with support from Director Spike Lee, 'The Salt in Our Waters' portrays an epic clash-of cultures in a remote seaside village of Bangladesh.



## Bangladesh Village in 'The Salt in Our Waters' Disappears Ahead of COP26 Screening (EXCLUSIVE)

By Naman Ramachandran



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# THANK YOU

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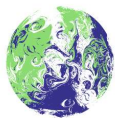
## Do it with Joy!



More info: Grameen Shakti <https://gshakti.org/>  
Proceedings: [www.inforse.org/cop26.php3](http://www.inforse.org/cop26.php3)



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**Welcome & Intro:** Judit Szoleczky, INFORSE

**Local Solutions in East Africa / Catalogue:**

Mary Swai, TaTEDO, INFORSE-East Africa, Tanzania

**INFORSE-East Africa Position to COP26:**

Richard Kimbowa, UCSD, JEEP INFORSE-EA, Uganda

**100 % Renewables Scenarios:**

**Kenya:** Nobert Nyandire SusWatch Kenya

**Europe:** Gunnar Boye Olesen, SE/INFORSE

**UK:** Paul Allen, Centre for Alt. Technology

**Eco-Village Development in South Asia**

**India:** Sanjiv Nathan, INSEDA /INFORSE-SouthAsia

**Nepal:** Niraj Shrestha, CRT/N

**Sri Lanka:** Dumindu Herath, IDEA

**Bangladesh:** Sohel Ahmed, Grameen Shakti

**Questions & Answers**

**More:** <https://inforse.org/cop26.php3>