



# Bangladesh VERRA Mangrove Afforestation



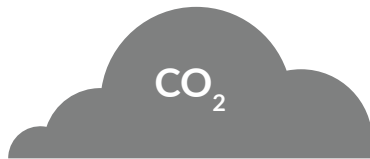
## Brief

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- A significant percent of global greenhouse gas (GHG) emissions are caused by forest destruction and poor agricultural practices.
- Boosting carbon sequestration in the Agriculture, Forestry and Other Land Use (AFOLU) sector is an effective approach to reduce and remove emissions.
- Verra is one of the most widely used standards in the-Afforestation, Reforestation and Revegetation (ARR) sector.

## Benefits of Mangrove

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### Carbon

- Mangrove forests are among the most carbon-rich habitats on the planet
- On average, mangroves have double the living biomass of tropical forests overall



### Ecosystem and Biodiversity Conservation

- Mangrove habitats are rich in biodiversity



### Mangroves as Natural Barriers

- Protection against storms
- Protection against soil erosion
- Protection against increased salinity of soils

## Project Implementation

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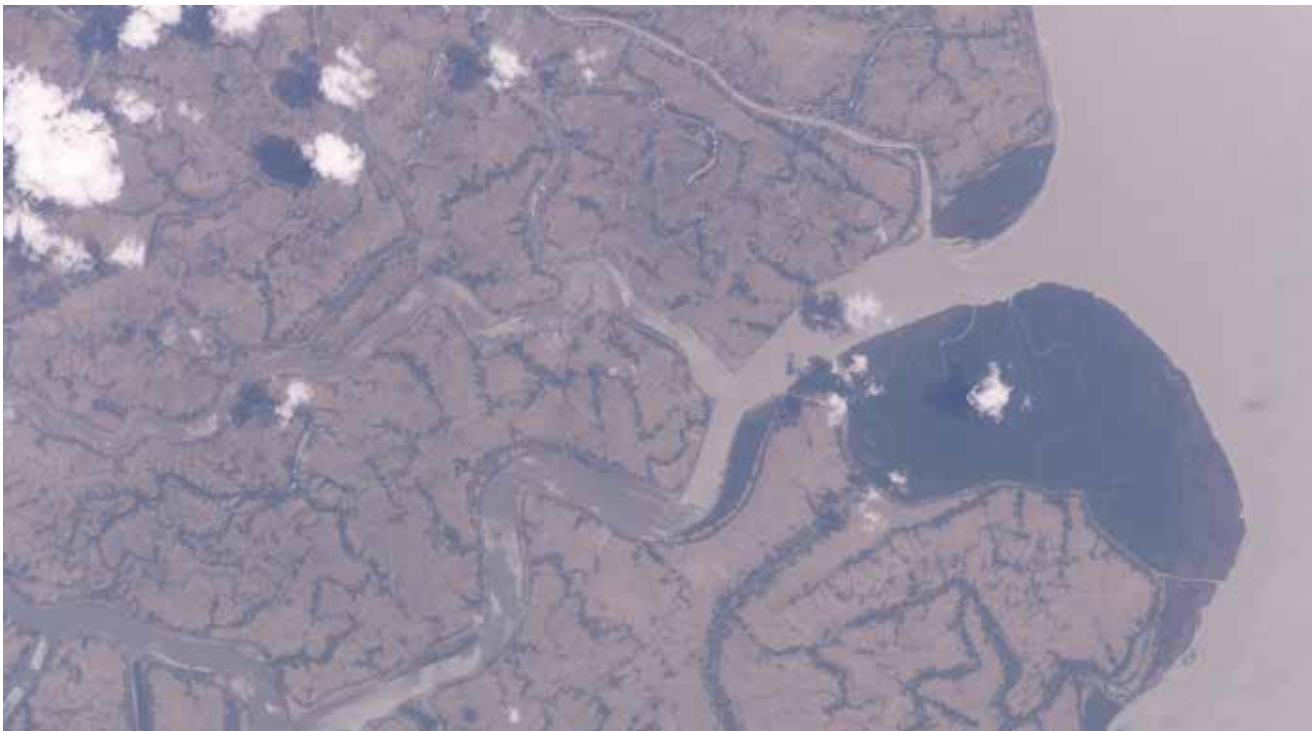
### OBJECTIVE:

To establish and maintain a sustainably managed mangrove ecosystem for carbon sequestration, natural disaster risk reduction, poverty reduction with sustainable livelihoods in the coastal communities

### PILOT

5000 ha of mangrove planting in the Noa Khali, Bhola and Lakshmipur regions of Bangladesh.

Estimated Total emission reductions in 10 years  
**4 million**



## Methodology

### AR-AM0014 Afforestation and reforestation of degraded mangrove habitats

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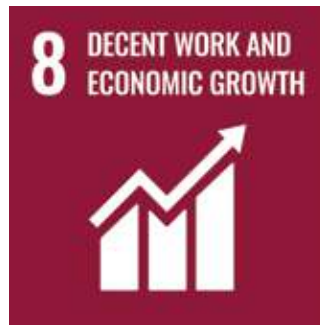


### Location

Noa Khali, Bhola and Lakshmipur Regions

## SDGs addressed by the project

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## Project Benefits

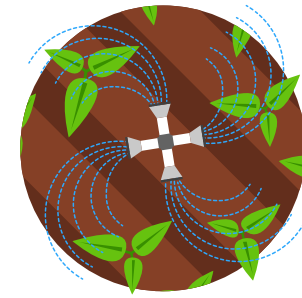
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Improved biodiversity and habitats



Improve food security by reducing danger of erosion and salt intrusion in low lying agricultural land due to rising sea level.



Carbon sequestered in trees and soil



Development fund for livelihood and sustainable development programme for the community



Substantial increase in sea food resources thereby contributing to the livelihood of the local communities



Increased income for the community through sale of carbon credits



## BANGLADESH BONDHU FOUNDATION (BBF)

Bangladesh Bondhu Foundation (BBF) is a non-political, non-profitable, non-government voluntary and social organization established in 2015. Bangladesh Bondhu Foundation based on six pillars: Skill, Honesty, Transparency, Cordiality, Equality of All People irrespective of Gender, Religion & Ethnicity and Love for Nature.

## VNV ADVISORY

VNV Advisory Services has been at the forefront of working with climate change and livelihoods. Our decade-long experience has seen us develop low-carbon projects that support these communities in getting their basic needs while adapting to and mitigating the harsh impacts of climate change. We work in areas of clean cooking, social forestry, sustainable agriculture, rural energy access and many other related community based technologies. With support from over 40 NGOs and implementation partners, our work encompasses over 4 million rural households and 50,000 hectares of forest areas under management across the South Asian (India, Bangladesh, Nepal, Laos, Myanmar and Sri Lanka) region. We have also been able to engage with businesses to address issues of Social Responsibility, Environmental Sustainability and Carbon Neutrality.



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