

**CBA through Application of FFF Model  
– A Mound Ditch Model to Adapt to  
Climate Risks**

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## **Community Based Adaptation to Climate Change through Coastal Afforestation (CBACC-CF) Project in Bangladesh**

**Enhancing resilience of communities and protective ecosystems through adaptation interventions (Coastal afforestation and Livelihood diversifications) so that proven adaptation measures are adopted, sustained and replicated**



**Capacity building at national, sub-national and local level so that the Government institutions are able to actively utilize these adaptation measures in local planning and programmes**



**Revising and developing coastal zone management policies in order to promoting and facilitating the use of climate change adaptation measures in coastal area planning by local government authorities**



**Capturing and sharing climate related knowledge so that implemented adaptation measures and the lessons learned are widely disseminated within and outside Bangladesh.**

## Periodically inundated and encroached coastal lands behind mangrove forests



# Community based digging ditch and building mound of FFF model



# FFF beneficiary is nursing own mound vegetation





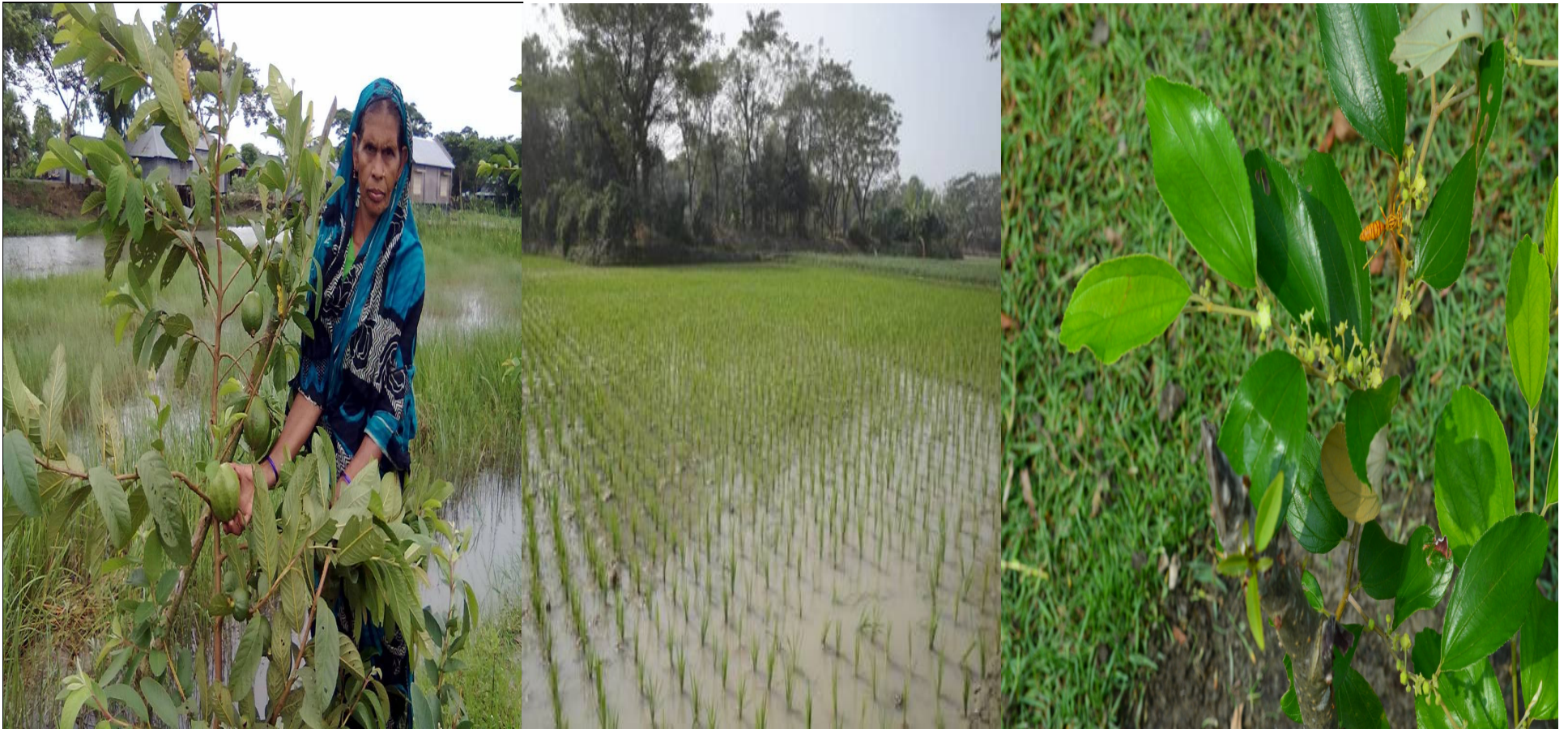


# Scaffolding for Climbing Vegetables





# Diversified and early yielding crop varieties



8 months old fruit variety:  
Guava (*Psidium guajaba*)

Salt tolerant rice variety  
BR 47

Early yielding (*Ziziphus mauritiana*) fruit variety

## **Significant Features of FFF Model**

- **FFF Model saves the land from encroachment**
- **The Model ensures water security through harvesting rain water**
- **It converted barren land into productive resource management regime**
- **It shows the way how to use voluntary role of coastal communities in protecting coastal forest**
- **The model accommodates 8-10 families/ha and appears as rational land use model**
- **The Model Increases adaptive capacity through providing at least \$ 1000 USD / family / year additional income in addition to their routine livelihood activities**
- **Due to recurrent income generation, FFF Model might reduce the vulnerability of coastal communities and sustain in any anticipated conditions induced by climate change**

**THANK YOU**