

BGO's 2022 Tenure in Trees Program Plants Roots in

## Andhra Pradesh, India

During this project, an area of approximately 350 hectares of mangroves will be restored through community participation. The capacities of at least 1,000 women and 1,000 men will be strengthened to integrate climate resilience into aquaculture and agricultural practices and 10 Women self-help groups will be organized for this project.



Throughout the restoration, approximately 3,300 saplings will be planted per hectare totalling over 400,000 trees. In addition to planting the needed mangrove trees throughout the area, 50 hectares of integrated mangrove fish and crab farming ponds will also be strengthened and created where most needed. It is also expected that at least 100 hectares of saline agriculture lands will be reclaimed and at least 2 seasons of crops will be cultivated within the project period, which will benefit over 5,000 women and men.

While the area is already very rich in biodiversity, the restoration of these mangroves will provide many ecological and community benefits to those living in the region. Specifically, this project will provide a habitat for many fish, as well as bivalve species including clams and mussels which in turn will deliver a huge benefit to the population which relies heavily on fishery resources. It is also expected that this particular restoration will result in a 10% increase (if not more) to the number of fish that are caught by the fisheries. Additionally, the mangroves planted will provide a buffer against strong winds and waves as well as give the agriculture lands access to saline water which is highly needed by the villages. These trees will also help to act as a bio-shield to allow for the growth of more diverse agricultural crops.



Some of the mangrove species being planted during this project include: *Avicennia marina*, *Avicennia officinalis*, *Excoecaria agallocha*, and *Rhizophora mucronata*. *Bruguiera gymnorrhiza*. **#TeamBGO** has proudly donated 1,000 trees to this project, and we are extremely excited to see the community benefit from our support.