



Plant a Hope
Protect Environment & Earth

According to World Bank data, Bangladesh's total forest cover sits at approximately 14.49% of its total land area, falling critically short of the 25% minimum standard required for a balanced ecosystem. Rapid urbanization and industrial expansion have caused a 14% decrease in national tree cover since 2000, exposing vulnerable populations to intense urban heat islands, flash floods, and severe soil erosion.

Required Forest Cover: [===== 25%]

Current Forest Cover: [===== 14.49%] <-- 10.51% Deficit

Summary

"Plant a Hope; Protect Environment & Earth" is an evidence-based, community-driven climate action initiative designed to address Bangladesh's critical ecological imbalance. Operating at the intersection of environmental restoration and public engagement, the project targets rapid canopy loss by introducing a rigorous, tech-monitored afforestation model.

Challenge

Bangladesh's total forest cover currently stands at just 14.49% of its total land area according to data from the World Bank, falling critically short of the 25% minimum standard required for an ecologically balanced ecosystem. Although the government and local groups are pushing for environmental recovery, millions of citizens are at an increasing risk of extreme urban heatwaves, severe soil erosion, and climate-induced displacement due to a 14% loss in national tree cover since 2000.

Solution

To address this critical deficit, the "Plant a Hope" project implements a community-led "Adopt-a-Sapling" model that ensures long-term tree survival. Instead of traditional "plant-and-forget" methods, the project provides local youth and residents with climate-adaptive native saplings and tracks their health for 24 months using geo-tagging. By transforming vacant roadsides and urban spaces into monitored green corridors, this initiative directly restores canopy cover, lowers extreme temperatures.

Long-Term Impact

Carbon Sequestration and Climate Resilience: By transforming vacant urban spaces and regional roadsides into dense, permanent green corridors, the project directly reverses the environmental damage caused by rapid canopy loss. Socioeconomic Empowerment and Food Security: The strategic integration of fruit-bearing and medicinal timber trees ensures that ecological restoration yields immediate human benefits. A Lasting Culture of Climate Guardianship.

Report Summary

(July 2026 – September 2026)

Project Name

Plant a Hope

Protect Environment & Earth



Story of works

The “Plant a Hope; Protect Environment & Earth” project is an environmental initiative of PATHWAY designed to promote sustainable afforestation, restore green spaces, and strengthen community participation in environmental protection across Bangladesh.

Recognizing the growing environmental challenges associated with declining tree cover, rising temperatures, soil erosion, and climate change, the project adopts a community-driven approach to make environmental restoration a shared responsibility. Its central vision is to ensure that tree plantation becomes a continuous process of nurturing and protecting nature rather than a one-time activity.

The project introduces an “Adopt-a-Sapling” model that encourages local youth, volunteers, and community members to participate in planting and caring for trees. Native and climate-adaptive saplings are prioritized according to local environmental conditions and plantation-site suitability. Potential planting locations include roadsides, vacant public spaces, and other appropriate areas where trees can contribute to greener surroundings and improved environmental conditions.

A key feature of the initiative is its emphasis on long-term tree survival. Through geo-tagging, digital documentation, and periodic monitoring, the project aims to track plantation locations and assess the health of planted saplings over a 24-month period. Community participation in watering, maintenance, and protection is intended to strengthen local ownership and improve the sustainability of plantation activities.

Where appropriate, fruit-bearing and other multipurpose tree species may also be incorporated to generate additional environmental and community benefits, including shade, biodiversity support, and potential future food resources.

Beyond plantation activities, the project seeks to raise environmental awareness and inspire individuals to become active guardians of nature. By connecting afforestation with community engagement and technology-supported monitoring, PATHWAY aims to establish a practical model for responsible environmental restoration.

Through this initiative, PATHWAY envisions greener communities, stronger environmental awareness, and a lasting culture of climate responsibility. The project aspires to demonstrate that every tree planted and protected can contribute to a healthier environment and a more sustainable future for generations to come.

Expense Statement

SL	Area	No. of Trees	Cost (BDT)	Cost (USD)
01	Dhaka	100	7,200	60
02	Patuakhali	100	4,800	40
03	Satkhira	70	3,00	25
Total			15,000	125

**01 USD = 120 BDT*

Others

Our volunteers and office staff participated spontaneously in this activity. We Invite everyone to join us in this good work for the welfare of the world.



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