



## AFFORESTATION- CHENGALPATTU

# REQUEST FOR PARTNERS

Afforestation and creation of Green Spaces for sustainable cities

## Project focus

The project focuses on Afforestation and Environmental Sustainability through the development of an urban green space which is aimed at increasing the green cover by planting native species and creating a self-sustaining ecosystem with biodiversity enhancement, carbon sequestration, soil improvement, and microclimate regulation.

## Location

**12°56'18.2"N 80°05'15.4"E**

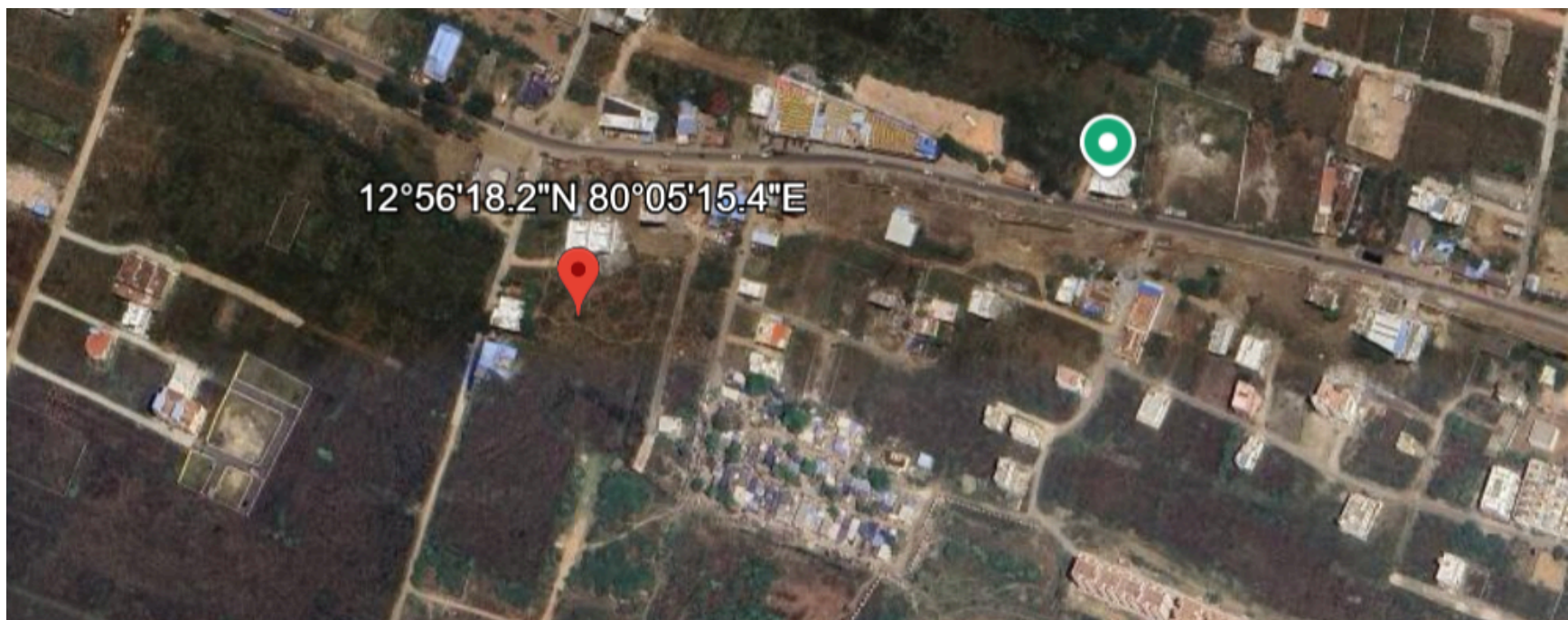
AGS Colony, Perungalathur-  
Tamabaram, Chengalpattu dist.,



Contact us at [info@thuvakkam.org](mailto:info@thuvakkam.org) for more details

## About the Problem

The primary issue addressed by the project was the lack of adequate green cover in urban areas, which contributed to environmental challenges such as climate change, increased heat stress, reduced air quality, and declining biodiversity.



### Why did we want to make a #Change here?

Before the project implementation, the site existed as an unutilized open space with excessive weed growth and minimal ecological value. The land lacked proper planning, infrastructure, and vegetation diversity which can be characterized by:

- Dense and unmanaged weed cover
- Absence of structured plantation or native biodiversity
- Vulnerability to waste dumping and encroachment
- Poor soil quality due to lack of enrichment practices
- No facilities for public use or community engagement

# Site present conditions



**Area available for Plantation**

**1.8 Acres**

**Plantation scope**

**18,250**

**Potential CO<sub>2</sub> Sequestration**

**164 Metric Tons**

**People benefitted**

**10000+**



Growth of  
Invasive species

# Scope of Work

Thuvakkam shall take care of the end- end project execution in creation of the Urban forest with strategic Project Design

1



**Baseline Assessment**

2



**Land Preparation**

3



**Tree Plantation**

4



**Infrastructure development**

5



**Sapling Maintenance**

6



**Monitoring & Evaluation**

# Expected Outcomes

- Transformation of a degraded urban space into a vibrant green hub
- Improved air and soil quality through bio-shielding and organic treatment
- Creates Micro-climate, reduce Urban heat island effect
- Water efficient Project Design
- Increased biodiversity and pollinator presence
- Creation of an accessible space for learning, relaxation, and volunteering
- Long-term ecological sustainability through community participation



*The makeover of the Butterfly Forest in Taramani Chennai- Timeline*



## Why Thuvakkam?

- ✓ End-to-end project design & execution
- ✓ CSR Utilization certificates & other mandatory compliances
- ✓ Government & community collaboration
- ✓ Impact reports
- ✓ Branding on-site & social media
- ✓ Media visibility & recognition

**Be the Change  
you wish to see**

Contact us at

Mail: [info@thuvakkam.org](mailto:info@thuvakkam.org)

Call: **+91 94448 88937**

for more details

