

# BSF SGP Project Progress Report

## 'Greens on Wheels'

Report no. 04

05.11.2025

Prepared by: Neha Niranjana  
Reporting Period: July 2025 - September 2025

### Key Accomplishments

Phase	Status	Key accomplishments
1	In progress	Identification of 25 native species that will be the first set of champion species to start propagation for the Greens on Wheels project
2	Completed	Preparing a concise presentation for the Greens-on-wheels mobile exhibit to describe/pitch the initiative to prospective collaborators, detailing each component required for the layout and design.
3	In progress	Detailing out the workflow diagram for the Green-on-wheels nursery network chain, reaching out to potential nursery resource people/organisations to collaborate on the initiative.
4	In progress	Initial costing and Layout of the central stock nursery, and identification of nursery managers and trainers.
5	In progress	Website design and branding design with VillaCMYK
6	In progress	First small pop-up exhibit at RV College of Architecture, in collaboration with Socratus

### Upcoming Milestones

- Branding and marketing through social media with key campaign messages
- Talk to prospective nursery collaborators to set up satellite nurseries and begin the propagation of selected species
- Begin the design process for the kiosk for the mobile nursery

### Financial Summary

Initial costs have been incurred for recce and planning activities. Budget utilisation is being closely monitored to ensure alignment with project objectives.



2. Presentation to pitch to collaborators

## 01 Project Introduction

**Introducing Greens on Wheels**

**1. Growing Cities through Indigenous Plants**

- A mobile nursery and pop-up nursery
- Designed to bring the richness of indigenous plants into the urban scene
- Combining ecology, culture, and design for urban resilience

**Why it Was Conceived**

**2. Rethinking Urban Green**

- Urban landscapes offer key to water, temperature, species in the recovery (however more central roles applied being commercial)
- Need to reimagine, re-examine, re-define, and re-define in the ecological context of the region
- To make biodiversity a visible and tangible part of everyday city life
- To increase ecological resilience and sustainable public resources

**The Research Foundation**

**3. From Knowledge to Action**

- Built on extensive research by PUC and UIC, with funding
- Focus on documenting the role of healthy ecosystems in urban greening
- Research on indigenous landscape and their ecological services to urban
- A better understanding of the design options across the region
- Integrates ecological data with cultural and urban design thinking

**Extension and innovation**

**4. Curating Plants: From species to Plant Recipes**

- Reflect diversity of forms and functions—groundcover to tree
- Support design for resilience, ecological value, and local adaptability with cultural experiences, making connections
- Highlight plants that provide shade, food, pollinators, and water benefits
- Curated plant combinations demonstrate functional ecosystems and landscape gardens
- Develop habitat, aesthetics, ecology, and cultural experience
- Demonstrate gardens that have their own narrative with a story

**The Cultural Layer**

**5. Reconnecting People and Plants**

- Offers an avenue of education, history, and heritage
- Encouraging citizens to reimagine ecology, culture, and urban life
- Creating new narratives for urban greening modern in place and location

**The Why Persever**

**7. Scaling the Research Vision**

- Pilot nurseries in Chicago, with phase 1 as the pilot
- Plans to expand across cities and regions
- Build a reputation of urban plant knowledge and design innovation
- Create networks of urban greening, ecological gardens
- Foster resilience, inspire, and catalyze urban urban environments

## Greens-on-Wheels Mobile Nursery

First of its kind, mobile exhibition and pop-up nursery advertising for sales of indigenous and native species. At each stop that the mobile nursery makes, visitors can see, touch, and smell the plants, experiencing their qualities firsthand. The initiative is an outreach programme of a large research foregrounding the value, use and application of indigenous species in urban spaces. This, along with educative materials, will be showcased alongside the display and sale of indigenous and native species. Visitors leave not just with inspiration but with practical knowledge for implementing these ideas in their contexts.

**Sales and purchase of plant starts**

Bringing to the urban context, plants that are water-efficient, ecologically beneficial, and culturally meaningful

**Education and awareness initiatives**

The Mobile Nursery will also be offering educational materials and a selection of plant species

**Equity residents in plant therapeutic gardens in UIC neighborhoods**

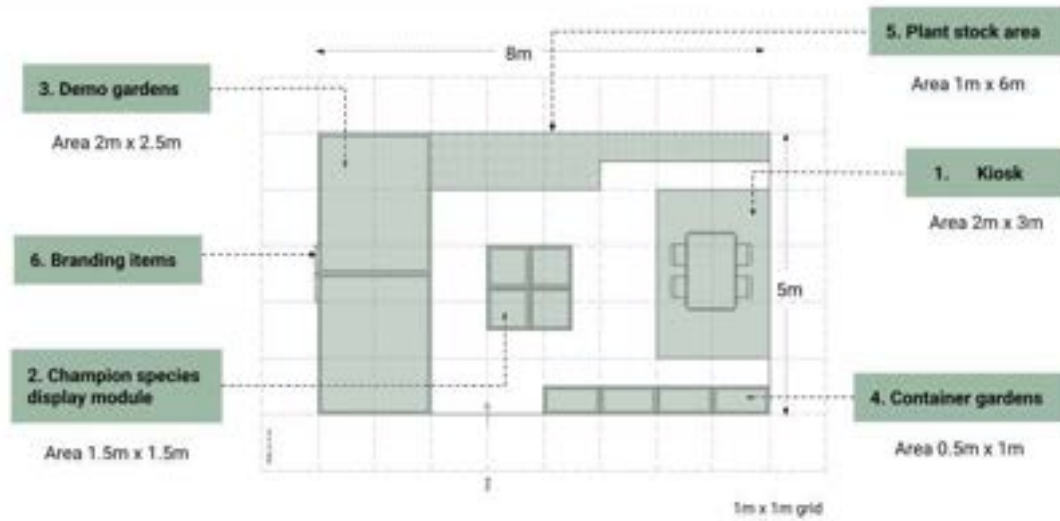
Innovation gardens at the nursery will bring the plant recipes to life, showing how these combinations can be applied in different settings

**Familiarize residents with native species**

Champion species will not just be on a special display, but introduced and familiarized with a few species at a time

## Schematic layout of the pop nursery with minimum footprint

Option 1



## Championed species



Key plan

### Description

A modular design to display the selected 10-15 championed species for the visitors to learn about.

### Requirements:

- Various sizes of display modules
- Plant information cards

### Placement

Should be clearly visible and allow close access to read the plant information and details. Can be placed in the centre or as a peripheral boundary.

### Footprint

Minimal footprint. The display can be expanded vertically for the species that allow vertical stacking.

### Design

Modular sizing of varying heights like 0.3m, 0.45m, 0.6m to be designed for different habits of plants based on their sizes.



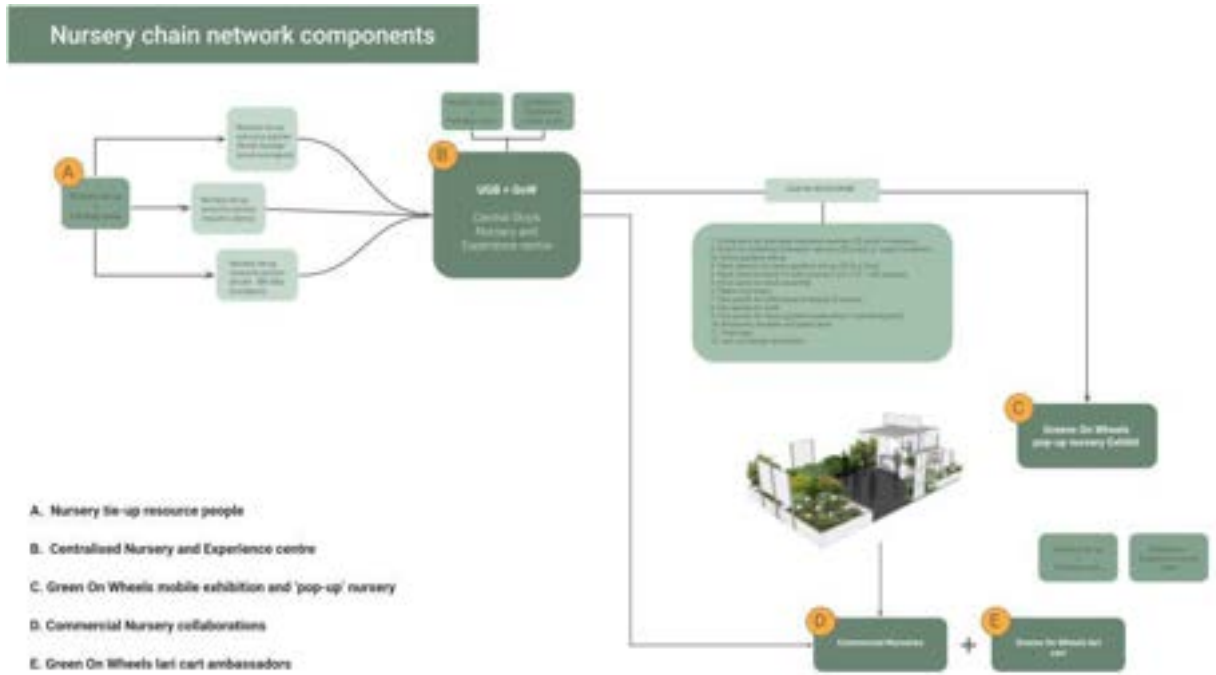
### Branding

The championed species display should contain plant cards for each species.

### Time of assembly

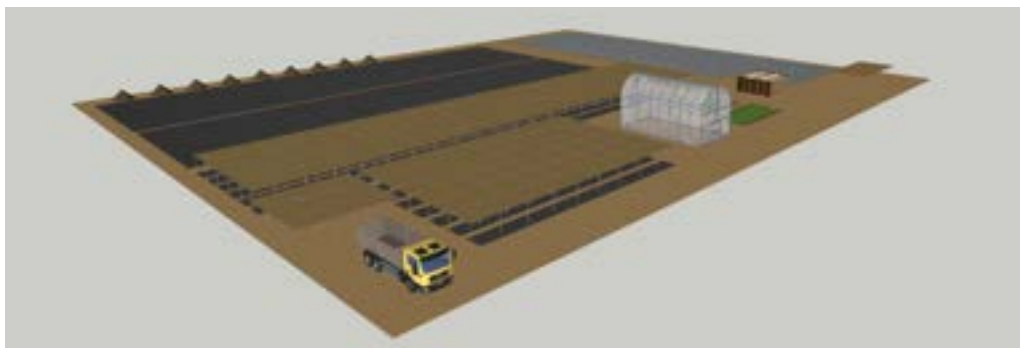
Should be a simple modular structure that can be assembled within half an hour.

### 3. Nursery chain network components



### 4. Costing for the central nursery

Plant	No. of plants		No. of bags		Stage 1 (2") Grow Bags		Stage 2 (3") Grow Bags		Stage 3 (5") Grow Bags		Stage 4 (10") Grow Bags		Total	
	No. per species	No. of species	No. per stage	Total number	Area (sq ft)	Cost (Rs)	Area (sq ft)	Cost (Rs)	Area (sq ft)	Cost (Rs)	Area (sq ft)	Cost (Rs)	Area (sq ft)	Cost (Rs)
Trees	100	11	1100	4,400	120sq ft	1,400Rs	270sq ft	4,400Rs	800sq ft	16,000Rs	1,400sq ft	28,000Rs	3,700sq ft	14,800Rs
Shrubs	500	10	5000	20,000	1,340sq ft	1,600Rs	2,680sq ft	11,070Rs	6,270sq ft	11,070Rs	10,902sq ft	26,400Rs	30,852sq ft	119,210Rs
Half-commercial/woody plants	500	10	5000	20,000	1,160sq ft	1,450Rs	2,810sq ft	11,240Rs	6,912sq ft	11,400Rs	11,371sq ft	28,000Rs	32,733sq ft	137,800Rs
Cacti and succulents	500	6	3000	12,000	400sq ft	4,000Rs	1,200sq ft	12,000Rs	2,400sq ft	24,000Rs	4,800sq ft	48,000Rs	8,800sq ft	88,000Rs
Grasses	500	11	5500	22,000	700sq ft	7,000Rs	1,400sq ft	14,000Rs	28,000sq ft	28,000Rs	56,000sq ft	112,000Rs	143,000sq ft	561,200Rs
Ornamentals and creepers	500	12	6000	24,000	800sq ft	8,000Rs	1,600sq ft	16,000Rs	32,000sq ft	32,000Rs	64,000sq ft	128,000Rs	137,600sq ft	549,600Rs
														87,400sq ft Approx 3 acres



5. Website and branding design



### Bauhinia variegata

**English:** Orchid tree, variegated Bauhinia, Bauhinia variegata, Bauhinia variegata  
**Malay:** Bauhinia variegata, Bauhinia variegata  
**Indonesian:** Bauhinia

**Description:**  
 This fast growing tree has distinctive large, showy, double flowers of pink, purple, white or yellow. It produces large, flat, papery leaves. It is a popular tree for landscaping and is often used as a specimen tree in gardens. The tree is also used for wood in the construction of furniture and for pulp in the paper industry. The plant is also used for landscaping in parks and gardens and for shade in parks and gardens. It is also used for wood in the construction of furniture and for pulp in the paper industry. The plant is also used for landscaping in parks and gardens and for shade in parks and gardens.

**Planting:**  
 This small tree is a low maintenance tree in well-drained soil. It is a popular tree for landscaping and is often used as a specimen tree in gardens. The tree is also used for wood in the construction of furniture and for pulp in the paper industry. The plant is also used for landscaping in parks and gardens and for shade in parks and gardens.

**Propagation:**  
 Seed, Cutting, Layer, Grafting, Air layering

**Growing Conditions:**  
 Sun, Partial shade, Shade, Wind, Frost, Drought, Salinity, Soil, Water, Humidity, Air quality

**Ecological Services (Provided):**  
 Air purification, Carbon sequestration, Noise reduction, Shade, Windbreak, Water conservation, Soil conservation, Biodiversity support

**Ecological Services (Supporting):**  
 Air purification, Carbon sequestration, Noise reduction, Shade, Windbreak, Water conservation, Soil conservation, Biodiversity support

**Provisional Services:**  
 Air purification, Carbon sequestration, Noise reduction, Shade, Windbreak, Water conservation, Soil conservation, Biodiversity support

**Planting Arrangement:**  
 Row, Cluster, Solitary, Mixed

### Tracing Ecology

Know Your Plants

### The Planting Toolkit

Plant Project UGB

Tracing Ecology Know Your Plants Planting Toolkit

Plant Project UGB

Tracing Ecology Know Your Plants Planting Toolkit



