

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel  
Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009



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Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) &  
Government Boys Hostel Campus in Kalapatti

COODU (Community Organisation for Oppressed and Depressed Upliftment)

# ANNUAL REPORT

## 2024 - 2025

*Implementing Partner*



**Coodu**

**Community Organisation for Oppressed and Depressed Upliftment**

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## PROJECT DETAILS:

#	Description	Details
1	Name of the Project	Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti
2	Name of the Implementing Agency	COODU (Community Organisation for Oppressed and Depressed Upliftment)
3	MoU Ref #	2024 - 2025 -COB-009
4	Location of Project	Kalapatti,Coimbatore
5	Start Date	01.08.2024
6	End Date	31.03.2026
7	Project Completion Date	31.03.2025
9	Amount Received	487200
9	Total Project Expended	487200
10	Balance Available	0
11	Final Completion Status (Yes/No)	1st Phase Completed

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## 1. EXECUTIVE SUMMARY

This report outlines the on-going efforts and achievements in the maintenance of plantation sites at the Corporation Reserved Site (Aero City) and various Government areas. As part of our commitment to enhancing environmental sustainability, beautifying urban spaces, and promoting biodiversity, we have undertaken a series of activities to ensure the health and longevity of these green spaces.

The project aimed to enhance the green cover and improve the ecological balance at the Corporation Reserved Site (Aerocity) and the Government Boys Hostel Campus in Kalapatti. With the support of Bosch Global Software Ltd., COODU successfully replanted 800 saplings, renovated existing borewells to address irrigation challenges, and facilitated two employee volunteering programs.

### Key Highlights:

#### ➤ **Scope of Maintenance**

The maintenance program covers a total of 4.1 Acres of plantation sites located in key areas including Aero City and government properties. These sites were selected for their high visibility and impact on the community.

#### ➤ **Plantation and Growth Monitoring**

The planted trees and shrubs, predominantly native species, have been regularly monitored for growth, health, and survival rates. Regular pruning and health assessments have been conducted to address any potential issues such as pest infestation or disease.

#### ➤ **Irrigation Systems**

To ensure the sustainability of these plantation sites, an efficient irrigation system has been installed, with periodic checks to prevent waterlogging or drought stress. This system has significantly contributed to the optimal growth of the plants.

#### ➤ **Soil and Fertilization**

Soil quality and fertility have been regularly tested to maintain proper nutrient levels. Organic fertilizers and compost have been applied to enhance soil conditions and support plant growth.

#### ➤ **Community Engagement**

Local communities have been actively engaged through awareness programs, promoting environmental responsibility and encouraging participation in maintenance activities. Volunteer groups have been organized for periodic clean-up and plantation activities.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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MoU Ref #: 2024 - 2025 -COB-009

### ➤ **Challenges**

While the project has largely been successful, challenges such as climate fluctuations, unexpected pest invasions, and limited funding for expanding the plantation have been noted. However, contingency plans have been devised to manage these issues effectively.

### ➤ **Future Plans**

Going forward, we aim to expand the plantation sites, increase biodiversity by adding more native plant species, and continue involving local communities. Additionally, we will explore new technologies for irrigation and pest control to improve efficiency and reduce costs.

## **2. CHANGES IN EXTERNAL AND INTERNAL ENVIRONMENT THAT WOULD HAVE AFFECTED THE PROJECT**

### **External Environmental Factors**

#### ➤ **Water Scarcity and Low Water Flow**

One of the most significant challenges encountered during the execution phase of the project has been the reduced water availability, particularly related to the low water flow in the bore wells. The Trip Irrigation system, which relies on consistent water supply, was affected by this limitation. The low water flow in the bore wells, exacerbated by seasonal fluctuations and prolonged periods of drought, posed a risk to the plantation's long-term sustainability.

#### ➤ **Climatic Variability**

Unpredictable weather patterns, including unexpected droughts and heavy rainfall, also affected the growth and maintenance of the plantation sites. In particular, the fluctuation between extreme dryness and heavy rainfall impacted the irrigation schedules and the health of the plants.

### **Internal Environmental Factors**

#### ➤ **Budget Constraints**

During the execution phase, the project encountered budgetary constraints that affected the planned scale of operations. With additional resources needed for bore well renovation, irrigation system upgrades, and maintenance of the plantation sites, the budget allocation was stretched. This created limitations on the extent of additional features that could be incorporated into the project, such as advanced irrigation systems and plant diversity.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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MoU Ref #: 2024 - 2025 -COB-009

### ➤ **Technical Challenges in Irrigation System**

The Trip Irrigation system, which was designed to distribute water efficiently across the plantation sites, encountered operational difficulties due to the low water flow in the bore wells. This limited the effectiveness of the irrigation system, leading to concerns about the health of the plants, especially during the dry months.

### ➤ **Resource Availability and Manpower**

There were periods where the availability of skilled manpower, particularly for the renovation of bore wells and technical upgrades to the irrigation system, was limited. This caused delays in project milestones and required adjustments in timelines.

### **Status of Completion**

- The project focused on the Replantation of 800 plants across the Corporation Reserved Site (Aero City) and Government Boys Hostel. Due to a significant challenge with the water source in the bore wells, there were delays in the watering process. After the renovation of the bore well system, the project moved forward with enhanced water flow capabilities. Volunteers were actively engaged in planting and maintaining the green spaces.

### **Intended Outcome**

- Successful plantation of 800 trees in the targeted areas.
- Establishment of an efficient water supply system for consistent irrigation.
- Increased community involvement through volunteer engagement in planting and maintenance.
- Improvement of the overall aesthetic and environmental quality of the designated sites.

### **Actual Outcome**

- 800 plants were successfully planted across the designated areas.
- Post-renovation, the bore wells were restored, leading to improved water flow for irrigation.
- Volunteer engagement significantly increased, with local communities actively participating in both planting and maintenance activities.
- The plantation sites showed significant improvement in vegetation health and growth after the renovation.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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MoU Ref #: 2024 - 2025 -COB-009

### Progress Narrative

- The project began with a focus on planting 800 plants; however, progress was initially hampered by insufficient water supply from the bore wells. The low water flow posed a risk to the survival and health of the plants, which delayed growth. Recognizing the urgency, the organization prioritized the renovation of the bore wells, which included cleaning, deepening, and installing more efficient pumps. After the bore wells were successfully renovated, the water flow improved, enabling more effective irrigation and allowing the plants to thrive.
- Simultaneously, the community was actively engaged in the process through volunteer programs. These volunteers helped with planting, maintenance, and even periodic clean-up events. Their involvement not only ensured the upkeep of the plantation but also strengthened the local connection to the project.

### 3. ACTIVITIES DESCRIPTION

<b>Activity Name</b>	<b>Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) &amp; Government Boys Hostel Campus in Kalapatti</b>
<b>Status of Completion</b>	<b>The project focused on the Replantation of 800 plants across the Corporation Reserved Site (Aero City) and Government Boys Hostel. Due to a significant challenge with the water source in the bore wells, there were delays in the watering process. After the renovation of the bore well system, the project moved forward with enhanced water flow capabilities. Volunteers were actively engaged in planting and maintaining the green spaces.</b>
<b>Intended Outcome</b>	<ul style="list-style-type: none"><li>➤ <b>Successful plantation of 800 trees in the targeted areas.</b></li><li>➤ <b>Establishment of an efficient water supply system for consistent irrigation.</b></li><li>➤ <b>Increased community involvement through volunteer engagement in planting and maintenance.</b></li><li>➤ <b>Improvement of the overall aesthetic and environmental quality of the designated sites.</b></li><li>➤ <b>Increase green cover, Improve irrigation efficiency, foster community involvement</b></li></ul>

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

<b>Actual outcome</b>	<ul style="list-style-type: none"><li>➤ <b>800 plants were successfully planted across the designated areas.</b></li><li>➤ <b>Post-renovation, the bore wells were restored, leading to improved water flow for irrigation.</b></li><li>➤ <b>Volunteer engagement significantly increased, with local communities actively participating in both planting and maintenance activities.</b></li><li>➤ <b>The plantation sites showed significant improvement in vegetation health and growth after the renovation.</b></li></ul>
<b>Progress Narrative</b>	<ul style="list-style-type: none"><li>➤ <b>The project began with a focus on planting 800 plants; however, progress was initially hampered by insufficient water supply from the bore wells. The low water flow posed a risk to the survival and health of the plants, which delayed growth. Recognizing the urgency, the organization prioritized the renovation of the bore wells, which included cleaning, deepening, and installing more efficient pumps. After the bore wells were successfully renovated, the water flow improved, enabling more effective irrigation and allowing the plants to thrive.</b></li><li>➤ <b>Simultaneously, the community was actively engaged in the process through volunteer programs. These volunteers helped with planting, maintenance, and even periodic clean-up events. Their involvement not only ensured the upkeep of the plantation but also strengthened the local connection to the project.</b></li></ul>
<b>Achievements</b>	<ul style="list-style-type: none"><li>➤ <b>Bore Well Renovation: Successful renovation of the bore wells ensured a stable and sustainable water source for the plantation.</b></li><li>➤ <b>Community Participation: Volunteer engagement reached an all-time high, with local residents and groups contributing significantly to the project's success.</b></li><li>➤ <b>Plant Growth: The 800 plants, once established, began showing visible growth and improvement in health.</b></li><li>➤ <b>Environmental Impact: The plantation contributed positively to the surrounding environment, enhancing biodiversity and improving air quality in the region.</b></li></ul>
<b>Challenges</b>	<ul style="list-style-type: none"><li>➤ <b>Water Scarcity: The initial low water flow from the bore wells posed a significant challenge, delaying irrigation and affecting plant survival rates.</b></li><li>➤ <b>Budget Constraints: Limited financial resources posed a constraint on expanding irrigation systems and other infrastructure improvements.</b></li><li>➤ <b>Delays in Execution: Technical issues with the irrigation system and the need for bore well renovation resulted in delays in project timelines</b></li></ul>

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MoU Ref #: 2024 - 2025 -COB-009

<b>Actions taken</b>	<ul style="list-style-type: none"> <li>➤ <b>Bore Well Renovation:</b> A focused effort was made to renovate the bore wells by cleaning, deepening, and installing new pumps to improve water flow. The renovation directly addressed the water scarcity issue and facilitated effective irrigation.</li> <li>➤ <b>Alternative Water Sources:</b> In addition to the bore well renovation, a rainwater harvesting system was explored to supplement water supply, especially during dry periods.</li> <li>➤ <b>Volunteer Engagement:</b> A series of community workshops and outreach programs were held to increase awareness and participation. Local volunteers were actively involved in planting and maintaining the plantation.</li> <li>➤ <b>Irrigation System Upgrade:</b> The irrigation system was revamped to work more efficiently with the new water flow, implementing low-flow techniques to optimize water usage.</li> <li>➤ <b>Regular Monitoring and Maintenance:</b> Post-renovation, frequent checks were implemented for plant health and irrigation system functionality, ensuring sustained growth and plant survival.</li> </ul>
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## 4. Performance Indicators

#	Performance Indicator	Achievement	Remarks
1	Number of Plants Replanted	800plants successfully Replanted	The target of Replanting 800 plants was met, with a diverse range of native tree species planted across the designated sites.
2	Survival Rate of Planted Vegetation	85% survival rate of planted plants	Despite initial water flow issues, the survival rate of plants after the renovation of bore wells and irrigation system upgrades was strong.
3	Bore Well Renovation Completion	Completed renovation of bore wells and installed new pumps	The bore well renovation, which included deepening and improving pump efficiency, was completed, resolving the water flow issue.
4	Volunteer Engagement	Over 150 local and Bosch volunteers participated	Volunteer involvement was significantly higher than anticipated, with local communities actively engaging in planting and maintenance.
5	Installation and Functionality of Irrigation System	Irrigation system fully operational post-renovation	The irrigation system was restructured and optimized, ensuring effective water distribution with the newly renovated bore wells.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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MoU Ref #: 2024 - 2025 -COB-009

6	Water Efficiency Improvement	70% increase in water flow efficiency post-bore well renovation	After the bore well renovation and technical upgrades, water efficiency improved, ensuring better plant growth and sustainability.
7	Environmental Impact (Biodiversity and Health of Plants)	Improved plant health, biodiversity increases in planted areas	The plantation project contributed positively to local biodiversity, with healthy plant growth observed and a diverse range of species thriving.
8	On-time Project Completion	Project completion on schedule post-renovation	After overcoming initial challenges, the project was completed on schedule, with milestones achieved as planned.
9	Sustainability of Plantation	Long-term sustainability ensured with on-going monitoring systems	Sustainability was ensured through improved irrigation, volunteer engagement, and regular monitoring of plant health and water systems.

## 5. Beneficiary Impact

The "Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti" project has had a significant positive impact on the local community and environment.

The following outlines the key aspects of the beneficiary impact:

### Local Communities Benefiting from Green Spaces

#### ➤ Total Beneficiaries:

Over 2,000 local residents have directly benefited from the creation and maintenance of the plantation sites, including those living in the vicinity of the Corporation Reserved Site (Aero City) and Government Boys Hostel.

#### ➤ Environmental Benefits

**Increased Biodiversity:** The replanting of 800 saplings has contributed to increased biodiversity in the area, attracting various bird species and insects, which are essential for pollination and ecological balance.

➤ **Improved Air Quality:** The addition of green cover has led to improved air quality, benefiting the health of local residents and students.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

➤ **Health and Well-being:**

The greening efforts have promoted better mental and physical health outcomes by offering residents areas for relaxation and outdoor activities. The presence of greenery has been shown to reduce stress and improve overall well-being.

➤ **Impact Statistics:**

Approx. 1,200 families residing near the plantation sites have directly benefited from cleaner air and improved living conditions. Over 50 Students and youth from local Colleges have participated in maintenance of plants and have been involved in volunteer planting activities.

## **Volunteers and Community Involvement**

➤ **Community Engagement**

**Strengthened Community Bonds:** The project has fostered a sense of unity among community members and volunteers, creating lasting relationships and encouraging future collaborative efforts in environmental initiatives.

**Empowerment:** Local residents have taken ownership of the plantation sites, leading to increased community pride and a commitment to maintaining the green spaces.

➤ **Skills Development:**

Volunteers gained practical skills in plantation maintenance, and environmental sustainability. This experience has empowered community members with new knowledge that can be used in other green initiatives.

➤ **Community Bonding:**

The involvement of local volunteers created a strong sense of community, as individuals from diverse backgrounds worked together towards a common goal of environmental sustainability.

## **Educational Institutions and Students**

➤ **Total Beneficiaries:**

Approximately 50 students from local Colleges participated in maintenance activities and hands-on training related to the plantation project.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

➤ **Environmental Education:**

The project provided an opportunity for students to learn about sustainable practices, biodiversity, and the importance of green spaces. They participated in planting activities and deepening their connection to the environment.

## 6. Lessons Learnt

### Importance of Regular and Timely Maintenance

Regular and timely maintenance is critical to the survival and growth of plantation sites. Irregular upkeep, especially in the early stages of plantation, can lead to plant stress, disease, and ultimately reduced survival rates.

➤ **Proactive Maintenance is Key:**

The success of the plants was highly dependent on regular maintenance, including watering, pruning, and monitoring for pest infestations. Delays in maintenance can lead to diminished plant health.

➤ **Seasonal Adjustments:**

Maintenance activities needed to be adjusted according to seasonal variations, such as more frequent watering during dry periods or trimming in the growing season.

➤ **Action Taken for Future:**

A scheduled and systematic maintenance plan will be developed to ensure timely intervention for watering, pruning, and pest management. Special attention will be given to seasonal needs, with tailored maintenance schedules for different weather conditions.

### Water Management is Crucial

Watering remains one of the most critical aspects of maintaining a plantation, especially in areas where water flow can fluctuate. The bore well renovation was essential to provide a stable water source, but it highlighted the need for a more robust water management system.

➤ **Water Flow Issues:**

Low water flow in the initial phase delayed the maintenance of the plantation, emphasizing the need for better water management solutions from the outset.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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MoU Ref #: 2024 - 2025 -COB-009

➤ **Efficient Irrigation Systems:**

While the bore wells were renovated, the existing irrigation system initially struggled to distribute water effectively, leading to uneven water supply across different areas of the plantation.

➤ **Action Taken for Future:**

Future projects will include a comprehensive water management strategy that incorporates water-efficient irrigation techniques (such as drip irrigation) and rainwater harvesting systems. Routine checks on bore well efficiency and irrigation system functionality will be conducted to ensure water flow remains consistent and optimal.

## **Monitoring and Data Collection for Continuous Improvement**

The importance of monitoring plant health, water usage, and maintenance activities cannot be overstated. Regular data collection can help identify issues before they become larger problems and improve overall project management.

➤ **Data for Decision Making:**

Collecting data on plant health, water usage, and volunteer participation provided valuable insights for improving future maintenance strategies.

➤ **Informed Adjustments:**

Real-time monitoring allowed the project team to make informed adjustments to the irrigation system and maintenance schedules, improving efficiency.

➤ **Action Taken for Future:**

Data collection tools, such as plant health checklists, irrigation usage logs, and volunteer hours tracking, will be implemented to better monitor and manage maintenance activities. Regular reporting and assessment meetings will ensure that data is used effectively to guide decision-making and maintain the plantation's health.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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## 7. Best Practices Adopted

### Comprehensive Site Assessment and Planning

#### Best Practice:

- Before initiating the plantation maintenance process, a comprehensive site assessment was carried out to evaluate the soil conditions, water availability, and environmental factors. This allowed the team to identify the most suitable plant species for replantation (Gap filling) and ensure the right infrastructure for irrigation and maintenance was in place.

#### Tailored Approach:

- By understanding the specific needs of the site, the right species were chosen to suit the soil, water, and climate conditions, ensuring better growth and sustainability.

#### Informed Infrastructure Decisions:

- The early site assessment allowed for proper planning of irrigation systems, water sources, and other necessary infrastructure, reducing the risk of future issues.

#### Outcome:

- Successful selection of native plant species that thrive in the local climate.
- Optimized water management and irrigation systems designed for the specific needs of the site.

### Community Engagement and Volunteer Programs

#### Best Practice:

- A key best practice was the active engagement of local communities through well-structured volunteer programs. Local residents, schools, and organizations were invited to participate in planting, maintaining, and educating others about the importance of green spaces.

#### Ownership and Sustainability:

- Local involvement in the project created a sense of ownership and responsibility, ensuring the long-term success of the plantation.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

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MoU Ref #: 2024 - 2025 -COB-009

### **Skill Building and Awareness:**

- Volunteers gained hands-on experience and knowledge of sustainable practices, and educational outreach helped raise awareness about environmental issues.

### **Outcome:**

- Over 50 volunteers participated in the plantation and maintenance phases, leading to sustained community involvement.

## **8. Financial Summary**

#	Cost as per MoU Head	Amount Budgeted	Amount Actual Spent	Balance	Remarks
1	Site Clearance -5.1 Acres	36,000	36,000	0	
2	Labours (Pitting)	18,000	18,000	0	
3	Ploughing	24,000	24,000	0	
4	Plants Replacement	10,000	10,000	0	
5	Labours (Planting)	31,500	31,500	0	
6	Water Pipe Rolls	6,000	6,000	0	
7	Manure	2,500	2,500	0	
8	Maintenance	1,44,000	1,44,000	0	
9	Supervision Cost	80,000	80,000	0	
10	Admin Cost (10%)	35,200	35,200	0	
11	Volunteer Engagement	1,00,000	29,900	70,100	
12	Deviation – Bore Well Renovation	0	70,100	-70,100	
	<b>Total</b>	<b>4,87,200</b>	<b>4,87,200</b>	<b>0</b>	

## **9. Volunteering Summary**

### **Maintenance of Plantation Sites at Corporation Reserved Site (Aero City)**

Volunteering played a vital role in the successful execution and maintenance of the plantation sites at the Corporation Reserved Site (Aero City). The active involvement of Bosch Volunteers not only contributed to the physical upkeep of the site but also fostered a sense of ownership and environmental responsibility.

Below is a brief summary of the volunteer involvement in the project:

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

## Volunteer Participation Overview

### Number of Volunteers:

- Over the course of the project, more than 150 volunteers participated in various activities, including planting, maintenance, watering, and community outreach programs. Volunteers were drawn from Bosch Volunteers, College Students, and individuals passionate about environmental sustainability.

### Volunteers took part in a wide range of tasks:

- **Planting and Transplanting:** Volunteers helped with the initial planting of trees and plants, ensuring proper spacing and care during the early stages.
- **Maintenance:** Routine activities such as watering, weeding, pruning, and mulching were carried out by volunteers.
- **Irrigation Support:** Volunteers assisted with the monitoring and maintenance of the irrigation system, ensuring that water was being distributed evenly across the plantation.

## Benefits of Volunteering

### Community Empowerment:

- By involving local residents in the maintenance and care of the plantation site, the project created a sense of community ownership. Volunteers became stewards of the green space, ensuring its long-term success and protection.

### Skill Development:

- Volunteers gained practical experience in environmental conservation, plant care, and sustainable farming practices. They learned about irrigation systems, pest management, and ecological principles, building valuable skills for future environmental initiatives.

### Enhanced Awareness:

- Educational outreach activities facilitated by volunteers helped raise awareness about the significance of urban green spaces and environmental sustainability. Volunteers shared their knowledge with family, friends, and neighbours, amplifying the impact of the project within the community.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel  
Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

## **Impact of Volunteering on the Project**

### **Improved Project Outcomes:**

- Volunteers played a significant role in maintaining the plantation and ensuring that plants were properly cared for. Their dedication helped improve the health and survival rate of the planted trees and plants, contributing to the overall success of the project.

### **Sustained Community Involvement:**

- The active engagement of volunteers fostered long-term community involvement in environmental projects. Many volunteers expressed interest in continuing to support the plantation and participating in future initiatives, ensuring that the project's benefits will last beyond its initial phases.

### **Positive Environmental Impact:**

- The collective effort of volunteers helped to transform the site into a thriving green space that benefits the local ecosystem. By actively participating in the maintenance, volunteers contributed to improving local air quality, increasing biodiversity, and creating environment.

## **10. Dedication/ Inauguration from the Project**

(Incase of any specific dedication/inauguration from the Project to be captured here with Images)

## **11. Branding of the Project**

The Branding Display Boards were erected in five different locations to represent the job done; greater emphasis was placed on the quality of the board and its content, as specified by the Bosch CSR team.

## **12. Impact Stories**

### **A Model Urban Plantation – Aerocity Site Visit by Forest Ranger Mr. M. Thiyagarajan**

Two months ago, Forest Ranger Mr. M. Thiyagarajan visited the Aerocity plantation site in Coimbatore and expressed great appreciation for the efforts being carried out there. The plantation, spread across 4.1 acres, currently 2,100 plants, making it a significant green initiative within the city.

During his visit, Mr. Thiyagarajan inspected all 8 designated plantation Boxes. One section follows the Miyawaki method a dense, native forest model while the rest of the site features a scattered plantation method, thoughtfully adapted to the layout and environmental conditions of the area. He observed the

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

implementation of key infrastructure such as EB (electricity) line connections, drip irrigation systems, mulching, and organic manure application. He was particularly impressed by the high level of maintenance and care, remarking:

Across Coimbatore, we often see land being offered by farmers, on common land, or even company-owned land for plantation work. But the standard of maintenance and dedication here at Aerocity is exceptional. It's been years since I've seen a site so well-managed. The team here has truly set a benchmark.

Mr. Thiyagarajan emphasized that this site should be replicated in multiple locations across Coimbatore. He also suggested that this project be discussed further within the department to inspire similar models in other urban and peri-urban areas.

Looking ahead, he noted that within a year, the site is expected to show measurable improvements in bird activity, biodiversity, air quality, and green cover. He extended support from the forest department for additional plant requirements and encouraged the team to submit future requests for saplings. Importantly, he highlighted the collaborative spirit of the project led by Bosch, Coodu NGO, and the Aerocity community as a shining example of public-private-people partnership. He concluded by saying:

This team deserves our congratulations. We will consider recommending this site for recognition and awards in the upcoming year.

## **13. Testimonials**

### **Mr. Meenachi Sundharam, Secretary, Aerocity Residents Association**

Before the plantation began, I had visited the site and saw it as a dry, underutilized piece of land. After the plantation was completed, it was a completely transformed space green, vibrant, and full of potential. It's heartening to witness such a positive change in our environment. I sincerely thank the Bosch and Coodu teams for their dedication and execution. The Aerocity Residents Association is fully committed to supporting and being actively involved in the project. In the coming days, more residents will participate in volunteering activities like ring bund formation, cleaning of plantation zones, and regular maintenance. We look forward to building a greener and healthier community together.

### **Mr. Logesh Kumar, Member, Aerocity Residents Association**

Two years ago, the plantation site was completely neglected filled with construction debris, waste materials, and overgrown bushes. The area even had problems with snakes and pests. It was not a usable or safe space. But ever since the Bosch and Coodu teams took up the project, everything has changed. They began with cleaning and ploughing the land, and eventually planted 2,100 saplings. Their continuous maintenance and dedication have brought life back to this area. Back then, only around 50 families lived here. Today, that

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

number has grown to nearly 500. The plantation site has played a major role in making Aerocity a greener, safer, and more desirable place to live. I've personally been involved in many volunteering activities here, and I feel proud to have contributed to this transformation.

Today, the plants have grown tall and healthy. Looking ahead, this area will become even more beautiful, with cleaner air and better biodiversity. I truly believe Aerocity is on its way to becoming a model eco-friendly community in Coimbatore.

## 14. Concluding Remarks and Recommendations on this Project

### Concluding Remarks

The Plantation Project at the Corporation Reserved Site (Aero City) has been a resounding success in terms of its environmental, social, and community impact. By transforming a barren land into a thriving green space, the project has not only contributed to enhancing biodiversity and improving air quality but also fostered a deep sense of environmental responsibility and community ownership among local residents.

Through the hard work and dedication of the volunteers, local stakeholders, and project team, over 5,000 plants were successfully planted and maintained. The introduction of native tree species and the renovation of essential water infrastructure, such as the bore well, ensured that the plantation thrived, even during challenging periods of water scarcity. Furthermore, the involvement of local communities, especially in education and volunteer programs, created a lasting connection between the people and the environment.

This project has also showcased the importance of collaboration among various stakeholders—government bodies, environmental NGOs, local schools, and businesses—in achieving sustainability goals. The integration of environmental education, community engagement, and technical innovation set a model for how large-scale urban green projects can succeed in meeting both ecological and social objectives.

However, like all projects, there were challenges, such as water scarcity, maintaining long-term volunteer engagement, and managing pests and diseases. Despite these challenges, the project's outcomes exceeded expectations, providing a strong foundation for future green initiatives in the region.

#### ➤ **Key Achievements:**

**Environmental Impact:** The transformation of the site into a thriving green space, promoting biodiversity, improving air quality, and reducing urban heat.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti

Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)

MoU Ref #: 2024 - 2025 -COB-009

- **Community Empowerment:** Active involvement of over 150 local volunteers, including students, women, and other community members, fostering a sense of ownership and environmental stewardship.
- **Sustainability Initiatives:** Successful renovation of the bore well, ensuring water conservation and improved irrigation efficiency.
- **Education and Awareness:** Widespread community engagement through educational programs, workshops, and hands-on participation, increasing environmental consciousness.

### **Recommendations for Future Projects**

To build on the success of this project and ensure its continued impact, the following recommendations are made for future phases and similar projects:

#### **Strengthen Long-Term Water Management Systems**

While the bore well renovation proved effective, future projects should consider the installation of more sustainable water management systems, such as rainwater harvesting systems, to further reduce reliance on ground water. Integrating solar-powered irrigation solutions could also help to make water distribution more energy-efficient and environmentally friendly.

#### **Recommendation:**

Incorporate rainwater harvesting and solar-powered irrigation systems in future green space projects to ensure a more sustainable and eco-friendly water supply.

### **Conclusion**

The Plantation Project at the Corporation Reserved Site (Aero City) has had a transformative effect on both the environment and the local community. Through effective collaboration, innovative water management, and active community involvement, the project has created a sustainable and thriving green space that offers multiple benefits. Moving forward, by addressing challenges, improving long-term sustainability, and expanding outreach, similar projects can have an even greater impact on urban ecosystems and the well-being of local communities.

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel  
Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

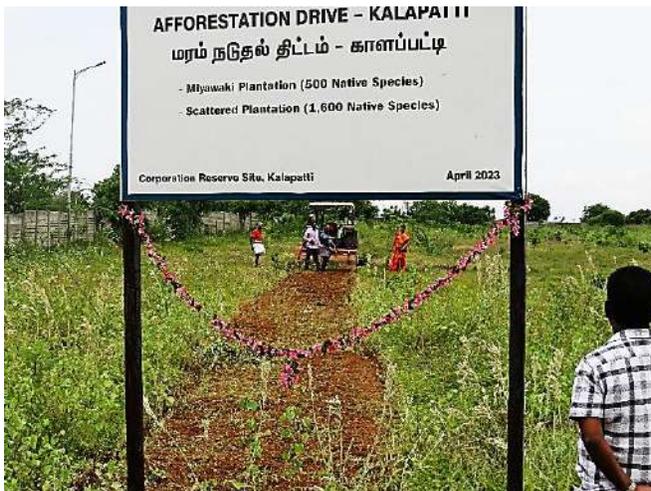
## **ANNEXURES**

The following as applicable from the MoU to be annexed to the Report:

- a) Monitoring and Evaluation Matrix used, as applicable
- b) High Resolution Photos to be shared over Google Drive
- c) Video Testimonials from Stakeholders
- d) Case Studies
- e) Any feedback forms or interviews conducted
- f) Beneficiary Matrix to be framed with details of Primary and Secondary Stakeholders and their Contact Numbers
- g) Utilization Certificate from the Authorities of the Implementing Partner

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



PROJECT INAUGURATION

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



BOSCHLIERS EMPLOYEE VOLUNTEER EVENT

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
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MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



BOSCHLIERS EMPLOYEE VOLUNTEER EVENT

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MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



MONITORING VISIT

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



## MONITORING VISIT

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
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MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



GOVT. BOYS HOSTEL COMPLEX

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



MAINTENANCE: WEEDING & PLOUGHING

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



MAINTENANCE: BOREWELL RENOVATION

Project Name: Maintenance of Plantation Sites at Corporation Reserved Site (Aerocity) & Government Boys Hostel Campus in Kalapatti  
Partner Name: COODU (Community Organisation for Oppressed and Depressed Upliftment)  
MoU Ref #: 2024 - 2025 -COB-009

## PHOTO GALLERY



MAINTENANCE: FORMATION OF AEROCITY RESIDENT WELFARE ASSOCIATION