

ESTD - 2021



SOW & REAP

AGRO PVT LTD

WHO WE ARE

Sow & Reap is a carbon-offsetting projects company that empowers corporates to strive towards Net Zero Emissions. We enable them to reduce their carbon footprint with easy access to carbon credits generated through our regenerative agriculture and other sustainable resilient solutions.



S&R VISION & MISSION



To lead the carbon credit industry by developing innovative solutions and generating offsets that contribute to a sustainable future. We are committed to fulfilling the corporate triple bottom line and enabling them to achieve net-zero emissions.

Empowering farmers by incentivising carbon credits generation, regenerate soil health, fostering high yields and sustainable agricultural practices and driving significant carbon reductions for a greener future.



CARBON PROJECTS

PROJECT VARRI

This project aims to reduce methane (CH₄) emissions through improved water management practices involving alternate wetting and drying (AWD) of the paddy lands.



PROJECT BIO-GAS

Project Biogas is a biogas to energy initiative in Siddipet, Telangana, that captures biogas from poultry manure and uses it to generate electric energy using biogas systems.



PROJECT BIO DIGESTER & COOK STOVE

Project aims at provide Bio Digesters and Improved Cook Stove units to Households of societies offering a clean and sustainable source of renewable energy for cooking



CARBON PROJECTS



PROJECT MIYAWAKI

Hyderabad's Stone Craft Woods is the largest Miyawaki project in India spread over 18 acres. S&R enables carbon sequestration from the project for trading and reducing emissions.



PROJECT EV

Project uses charging infrastructure resulting in the avoidance of fossil fuel-powered vehicle usage and therefore a reduction in the greenhouse gas emissions from the alternative energy supply.



PROJECT SAFE DRINKING WATER

This project, aims to solve the problem of domestic water supply. The project selects groundwater with good quality as water source, and water disinfectant is used for purify the water

PROJECT VARRI



Project Varri aims to reduce methane (CH₄) emissions through improved water management practices involving alternate wetting and drying (AWD) of the paddy lands. AWD is a proven method to reduce CH₄ emission by as much as 48% compared to continuously flooded conditions

Project Locations: 6 Districts in Telangana

Extent Covered: 20,000 Hectares

Project Listed Under: Gold Standard

Crediting Period: 10 Years

Carbon Credits Expected: 5,78,000

Sustainable Development Goals (SDGs) Achieved:
Goal 2 - Zero Hunger, Goal 4 - Quality Education,
Goal 8 - Decent Work & Economic Growth, Goal 13 -
Climate Action



Green House Gas Emission Reductions Achieved

- **57,000 tCO₂eq Annually**

PROJECT MIYAWAKI



Hyderabad's Stone Craft Woods is the largest Miyawaki project in India spread over 18 acres. Project aims to enhance the forest cover, improve local livelihood opportunities and adopt sustainable forest management practices through a sustainable forest society combination

Project Location: Shamshabad, Telangana

Extent Covered: 18 Acres with a Plantation of 5 Lakh Saplings per Acre

Project Listed Under: VERRA

Crediting Period: 30 Years

Carbon Credits Expected: 50,000

Sustainable Development Goals (SDGs) Achieved:

Goal 3 – Good Health & Well Being, Goal 13 – Climate Action, Goal 15 – Life on Land

Green House Gas Emission Reductions Achieved

- **49,000 tCO₂eq**

PROJECT BIO GAS

Project Biogas is a biogas to energy initiative in Siddipet, Telangana, that captures biogas from poultry manure and uses it to generate electric energy using biogas systems. Project aims to improve the air quality by reducing methane emissions

Project Location: Siddipet, Telangana

Units Installed: 2

Capacity of Each Unit: 1500 m³

Project Listed Under: VERRA

Crediting Period: 21 Years

Carbon Credits Expected: 1,37,466

Sustainable Development Goals (SDGs) Achieved:

Goal 3 – Good Health & Well Being, Goal 7 – Affordable & Clean Energy, Goal 13 – Climate Action, Goal 15 – Life on Land

Green House Gas Emission Reductions Achieved

- **46,000 tCO₂eq Annually**



BIO DIGESTER & ICS

Project aims to provide clean and renewable energy by providing Household Biodigesters and improved cook stoves(ICS) to socially deprived societies in the state of Karnataka. It substitutes firewood/other fossil fuels

Project Location: **Karnataka**

Units Under Installation: **15,000**

Capacity of Each Unit: **2 m³**

Project Listed Under: **Gold Standard**

Crediting Period: **15 Years**

Carbon Credits Expected: **13,50,000**

Sustainable Development Goals (SDGs) Achieved:
Goal 1 – No Poverty, Goal 3 – Good Health & Well Being, Goal 7 – Affordable & Clean Energy, Goal 13 – Climate Action, Goal 15 – Life on Land

Green House Gas Emission Reductions Achieved

- **60,000 tCO₂eq Annually**



PROJECT GOALS

Short term goal

- Project Varri - Onboarding 50,000 Farmers by end of 2023
- Bio Gas Project - Installing & Commissioning of two 1500 m³ Plants by end of 2023
- Installing 20,000 Bio Digesters by Mid of 2024

Long term goal

- Project Varri - Onboarding 3,00,000 Farmers by end of 2026
- Bio Gas Project - Installing & Commissioning of Five 1500 m³ Plants by end of 2026
- Installing 2,00,000 Bio Digesters by End of 2025
- Setting up Miyawaki forest by end of 2025

EMISSION REDUCTION GOALS

Short term goal

- Project Varri - 50,000 tCO₂eq
- Bio Gas Project - 46,000 tCO₂eq
- Bio Digester Project - 60,000 tCO₂eq
- Miyawaki Project - 49,000 tCO₂eq

ERs Achieved 205,000 tCO₂

Long term goal

- Project Varri - 3,00,000 tCO₂eq
- Bio Gas Project - 2,00,000 tCO₂eq
- Bio Digesters Project - 6,00,000 tCO₂eq
- Miyawaki Project - 1,00,000 tCO₂eq

ERs To Be Achieved by 2026 - 1.2Mn tCO₂

SOCIAL IMPACT



We partner with different stake holders to support farmers in implementing sustainable practices, particularly through the Alternate Wetting and Drying (AWD) methodology. By leveraging the knowledge and enthusiasm of the younger generation, we empower farmers to adopt environmentally friendly techniques and reduce greenhouse gas emissions.



We actively contribute to the UNSDGs, particularly focusing on Responsible Consumption & Production, Climate Action, Life on Land, and Partnerships for the goals. Through our initiatives and collaborations, we work towards a more sustainable future, promoting responsible consumption, combating climate change, protecting biodiversity and fostering partnerships for collective impact.



PARTNERSHIP



Sow and Reap teams up with Student Tribe, empowering students to lend a helping hand to farmers through an AWD program, cultivating a sustainable future for agriculture.



COMMUNITY ENGAGEMENT



LEADERSHIP TEAM



SURAJ TEJA

FOUNDER & CEO

A serial entrepreneur who has launched and successfully led leading businesses in real estate, telecom and healthcare. Owing to his family roots embedded in the agricultural farms in Telangana, Suraj is passionate about preserving the environment. He is on a mission to help corporates achieve net zero goals with sustainable practices and technology using bright minds and the right resources.

LEADERSHIP TEAM



SRINIVAS ARIPIRALA

CO-FOUNDER

Srinivas is a sustainability expert and a PhD from Johns Hopkins where his research focussed on cost effective drugs for vulnerable communities. He currently works at a transformative sustainable fashion company. Owing to his illustrious experience which includes AT Kearney with specialty in the energy sector and passion for the environment, Srinivas is committed to bring a positive change to the planet.

JOIN HANDS



Contact us at contact@sowandreap.in