



# Carbon Farming Practitioner

## Overview

The Carbon Farming Practitioner program is designed for actors who support farmers to adopt a whole farm approach to enhance the storage of carbon into soil/trees and or reduce CO<sub>2</sub> and other greenhouse gas emissions using various land, water and crop management practices. The program's participants are tasked with providing expert advice and practical assistance to actors to ensure that they understand the effects of climate change as a factor in farm/land management. Practitioners also create and share digital content across various media platforms to disseminate knowledge effectively.

## Curriculum Content

At the end of the program, learners will have gained comprehensive knowledge and skills in carbon farming. They will be able to discuss the role of a Carbon Farming Practitioner and explain key concepts, activities, and methods involved in carbon farming. Additionally, they will understand good agricultural practices to reduce greenhouse gas emissions and the benefits of effective management practices. Learners will also be equipped to explain the significance of reducing greenhouse gas emissions, the concept of carbon trading, and the types of carbon markets. They will demonstrate practices and technologies that qualify for carbon farming, best land management practices to increase carbon sequestration, and evaluate site suitability for certified carbon farming strategies.

Furthermore, learners will be able to identify strategies for measuring, auditing, and recording carbon levels, and demonstrate input management practices to improve soil organic carbon. They will discuss methods for crop residue management and demonstrate procedures for measuring and recording soil carbon as a baseline for change assessment. The program also covers the requirements for collecting and reporting geographic information, relevant carbon farming legislation, rules, methods, technical guidance documentation, and related procedures. Finally, learners will be able to demonstrate the procedure to receive carbon credits, ensuring they are well-prepared to implement and manage effective carbon farming practices.

The potential participants for this course include: Agriculture Department Staff; Agriculture Extension Personnel of KVKs, NGOs, Private Sector; Employees of Startups and Agricultural students who would like to undertake

career in Forestry, Environment and Renewable Energy Management.

The eligibility criteria for the course is: Completed 1st year of 3-year/ 4-years UG; Pursuing 1st year of 3-year/ 4-years UG and continuing education; Pursuing 3rd year of 3-year diploma after 10th and continuing education; Completed 3-year diploma after 10; Completed 1st year of 2-year diploma after 12th; Pursuing 2nd year of 2-year diploma after 12 and continuing education; 12th Grade Pass with 1-year relevant experience; 10th Grade pass with 3-year relevant experience; and Previous relevant Qualification of NSQF Level 4 with 1.5-year relevant experience.



Activity	Details
Duration	Minimum 480 hours
NSQF Level	4.5
Pre-requisites	No minimum age; minimum requirement for Education Qualification prior to undertaking this course is UG certificate or equivalent.



## Contributors

Course Title	Contributor	
	Australia	India
Standards development		
Course content development and pilot delivery		

## Contact details

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