

# **PROPOSAL**

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**Drip Irrigation System**

**for**

**Vegetable Gardens**

**at**

**SWAYAMKRUSHI**

## Purpose

The students of Swayamkrushi School have started a fledging vegetable garden at the school campus under the guidance of **Ms. Manjula Kalyaan** Founder and Director. The then government of A.P. has allotted us 4.22 acres of land, out of which we are using 1 acre to cultivate and grow vegetables. The aim is to teach the students new skills in agriculture, and to increase the level of nourishment in their diets. As the cultivated area increases they will be able to sell some of the vegetables to the community, and in so doing generate sufficient income to (1) purchase more seeds/fertilizer to grow even more produce, (2) operate and maintain the equipment used in the garden.

## Background

The current infrastructure consists of two boreholes, which has a submerged pump, and currently watering the garden is done by plastic pipes over long distances. During summer we have water shortage so we propose to use drip irrigation that has potential to save water and nutrients by allowing water to drip slowly to the roots of plants, either from above the soil surface or buried below the surface.