

Project proposal on establishment of shade net house for horticulture production

1. Introduction

Horticulture plays a significant role in providing quality food and nutritional security as well as poverty alleviation in urban and peri-urban areas such as Mombasa County. They are embedded with vitamins, proteins, minerals, carbohydrates and fibers. The population of the county is constantly increasing day by day. Therefore, the daily nutritional requirement of the County will also grow simultaneously. Hence, there is need for overall development and expansion in horticulture production. In order that we achieve higher production levels, productivity has to be increased through the adoption of hybrid varieties and improved production technology. Presently, the agribusiness minded farmers are quite aware about the importance of hybrid varieties as they are high yielding, uniform in maturity and can tolerate the impact of abiotic and biotic stresses and have better quality produce as compared to standard varieties / cultivars.

With this back ground the present project entitled "Establishment of shade net house for horticulture production" is submitted to the Principal, St. Elizabeth School by Katessy ville enterprises for sanctioning with a budget of Kshs 70,000.00.

2. Objectives

The establishment of a protective shade net house at the school farm plot will serve the following benefits.

1. Production and distribution of healthy, uniform, disease free horticultural produce to the community in and around the school
2. To serve as Training cum demonstration unit for pupils/unemployed youth to motivate them to establish community shade net houses
3. Encourage and equip the pupils and teachers to start their own small scale ventures in horticultural production under protected structures leading to self employment and to generate more jobs.
4. Generation of additional income to the school and the community by sale of horticultural produce.

3. Production duration

Two months (march 2018-April 2018)

4. Methodology to be adopted

a. Establishment of a shade net house

A shade net housing of 30 m x 8m dimension will be erected using GI pipes (or otherwise) as a support. UV stabilized HDPE shade net of 45 per cent shade intensity will be used to cover the house area at a height of 7.5 feet. Wire grid is to be provided at the top of the structure as support for shade net. To prevent insect entry, 40 mesh UV stabilized nylon insect proof net is fitted on all the four sides of the house (optional since shade net can also cover the sides).

5. Item description

<p>1. Purchase of materials for erection of the frame work as well as for laying foundation (use of mikoko; for use of metal bars fabrication will be done by metal fabricators)</p> <p>2. Labor for fabrication work if using metal (agree with metal fabricator)</p> <p>3. Cost of insect proof net (optional), pro tray</p>	<p>4. Cost of the shade net for the structure (450m²)</p> <p>5. Labor for erection of the frame work, construction of a protective base structure, painting work, stitching and spreading of shade net and insect proof</p> <p>6. Cost of budding knives, Seeds, Fertilizers and Plant; Protection Chemicals for raising the seedlings and the plants</p> <p>7. Care and maintenance of the seedlings/plants</p> <p>8. ¼ drip irrigation kit and setting up of the system on the ground</p> <p>9. Water harvesting and storage: 300M laying of gutters together with clips 60pcs; 2x10,000litres plastic tanks; Construction of underground tank 65,000litres capacity</p>
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