ABSTRACT

This report deals with the soil and land resources of Chettikulangara panchayat of Mavelikkara taluk of Alappuzha district. The report gives a detailed account of the general characteristics of the panchayat viz., area, soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

Chettikulangara panchayat comprises an area of 2045 ha is located in Mavelikkara taluk of Alappuzha district. The panchayat has a garden land area of 1455 ha. Wet land area in the panchayat is 590 ha. Garden land area is mainly cultivated to coconut, tapioca, banana and sesamum.

During the course of Detailed Soil Survey of the panchayat, 5 soil series were identified. Only one series viz. Mannar series occur in the garden land. Of the wetland series encountered, the major portion is covered by Cherukole series (221 ha) followed by Vetticode (194 ha).

Land capability classes noticed in the panchayat are I1w, I1ws, I1es and I1les and the irrigability classes noticed are 2d and 2ts. I1es is the predominant land capability subclass and 2ts the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility, soil conservation priority and production potential of the soils were conducted. The main problems encountered in the panchayat are dealt with in brief. Interpretative maps are appended. This report is expected to serve as a reference guide for planning developmental schemes in the agricultural scenario of the panchayat.