Abstract

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

Vengola Panchayat comprises an area of 3565 ha. The detailed soil survey was done during 1992 and eight soil series have been identified during the course of survey. Main problems faced in the panchayat and also data pertaining to the village were collected.

The garden land covers an area of 2540 ha. Major crops cultivated are rubber, and coconut. The wetland cultivated with Paddy, vegetables etc, and covers 1025 ha.

During the soil survey, eight soil series have been identified in the panchayat. These include Thodupuzha, Anjur and Odakkali which occupies garden land. Major portion of the wetland is occupied by Kothamangalam series, followed by Pezhakapally, Karikode, Mulanthuruthy and Ikkarand. Virippu paddy is raise in an area of 654 ha. Third crop paddy is raised in some areas with water from P.V.I. canal.

Based on the characteristics of the soils, land capability classes such as II, III, IV and VI and land irrigability classes viz. 2, 3, 4, & 6 were recognised. IVes is the predominant land capability subclass and 5t the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility and production potential of the soils were made. The main problems encountered in the panchayat are dealt with briefly. Interpretative maps are also appended.