ABSTRACT

This report deals with the soil and land resources of Thevalakkara panchayat of Karunagapally taluk of Kollam 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.

The panchayat covers an area of 1571ha. The panchayat comes under lowland region of Kollam district. An area of 85.02 ha is occupied by Ashtamudi kayal. Updating of Thevalakkara panchayat was undertaken during February and March 2000 by the Soil Survey Organisation. The garden land occupies an area of 1156.56 ha with Coconut, tapioca, banana as the major crops. In the wetland first crop of paddy followed by pulses and vegetables are grown.

The soil series identified are Edavanassery, Kallada, Thazhava, Mannar and Cherukole. Mannar soil series is the major series identified in the panchayat which occupies 44% of the area. Coconut based mixed cropping system is the most suitable cropping pattern of the garden land. In the wetland first crop of paddy followed by pulses and vegetables are the ideal combination.

Based on the characteristics of the soils three land capability classes such as II, III and IV and one land irrigability classes viz. 2 is recognised. 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 appended.