ABSTRACT

This report deals with the soil and land resources of Muthukulam panchayat of Karthikapally 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.

Muthukulam panchayat comprising an area of 1163 ha is located in Karthikapally taluk of Alappuzha district. Out of the total area, 383 ha is occupied by wet land. Paddy forms the main wet land crop of the area. During the third crop season, sesamum, pulses and vegetables are also grown in paddy fields. Coconut and banana are the major crops of the garden lands.

Based on soil survey, three soil series identified in the panchayat are, Mannar series occupying the area under garden lands and Ariyad, and Cherukole series under wet lands. Two land capability classes, viz., III & IV and three land irrigability classes, VIZ., 2, 3 & 4 are identified in the panchayat.

Interpretative maps like soil, land capability and irrigability, soil fertility, present and proposed land use, soil conservation priority, location and ward maps are included in this report. This report provides information on location specific problems and their management for integrated development of the panchayat.