ABSTRACT

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

Perayam panchayat extends over 1545 ha in Kollam taluk of Kollam district. Updating of detailed soil survey of the area was carried out during March - April, 2001. Coconut is the major crop in the panchayat. Two upland series viz., Varkala and Thonnakkal and one wet land series, Umayanalloor were identified in the panchayat. Nearly 80% of the cultivable area is under Varkala series. Gravelly clay loam is the predominant surface texture in the panchayat. Erosion is moderate and 777.18 ha the area falls under 10-25% slope.

Two land capability classes viz., III and IV and 3 irrigability classes such as 2, 3 and 4 are encountered. The major land capability sub class is III es( 220.72 ha) and land irrigability sub class, 3st (377.12 ha). Crop suitability classification, hydrologic grouping, production potential and fertility status are briefly described in the report. The major problems of the panchayat and suggested ameliorative measures have been included. Various interpretative maps are appended.