ABSTRACT

Soil and land resource inventory of Venganur panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during December 2003 to June - July 2004 to assess the resources, to identify the problem and to suggest suitable development of the area. The report gives a detailed account of the general characteristics and soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

The panchayat spreads over an area of 1492 ha and is located in the eastern part of Thiruvananthapuram taluk in Thiruvananthapuram district. Physiographically, the panchayat comes under midland region. The major crops in the panchayat are rubber, banana, and tapioca. During the course of detailed soil survey five soil series were identified viz. Vellayani, Vizhinjam, Neyyatinkara, Vilappil and Korani. Out of these Korani cover the wetland area. Vellayani series occupies the major share of the garden land (455.5 ha). Paddy is cultivated in an area of less than one ha.

The soils of Venganur panchayat are classified into three land capability classes such as II, III and IV and 5 land irrigability classes such as 2, 3, 4, 5 and 6. The predominant land capability subclass is IVe 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 that are encountered in the panchayat and its suggested management are dealt with briefly. Interpretative maps are also appended.