ABSTRACT

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

Edava panchayat is located on the southern part of Chirayinkeezh taluk in Thiruvananthapuram district and extends over 914 ha. The panchayat lies in lowland and midland region. The major crops in the panchayat are coconut, tapioca, banana, paddy and vegetables. During the course of soil survey, six soil series were identified viz; Varkala, Kazhakuttam, Amaravila, Sreekariam Poovar and Korani; Varkala series extends over the major area.

The soils of Edava panchayat are classified into six land capability classes and six land irrigability classes. The predominant land capability class is IVes and land irrigability class is 3st. Interpretative studies include crop suitability, production potential and hydrologic grouping. Various interpretative maps viz; soil, land capability and irrigability map, soil conservation priority map, proposed land use map, fertility map etc. are appended.