ABSTRACT

This report deals with the soil and land resources of Assamanur panchayat of Ernakulam 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.

Detailed soil survey of Asamannur panchayat in Kunnathunadu taluk of Ernakulam district was conducted in 2001 and updated during 2004 with a view to assess the resource status of the panchayat and to arrive at suitable development plans. Assamanur panchayat extends over 2127 ha. Rubber is the major crop of the garden lands and paddy of the wetlands. The six soil series identified in the panchayat are Odakkali, Kilikulam, Irapuram, Kurichilakode, Nadukani and Kothamangalam. Of these, the major share is under Odakkali series.

The land capability classes encountered are II, III, IV and VI and 2, 3, 4, 5 and 6 are the land irrigability classes. Vle is the predominant land capability subclass and 5t, the land irrigability subclass. Gravelly clay loam is the predominant surface texture. In general, the soils are moderately deep and erosion is moderate. Fertility studies, hydrologic grouping are undertaken in the report. Interpretative maps are appended.