ABSTRACT

Detailed soil survey of Malapattom panchayat in Taliparamba taluk of Kannur District was undertaken with a view to assess the resource status of the panchayath for integrated development. The report provides a detailed account of the general characteristics of the panchayath, description of various soils, their problems and management requirements, interpretations and recommendations for various uses etc.

The panchayath extends over an area of 1930 ha. Rubber is the major crop, followed by cashew, coconut and arecanut. The main wet land crop is paddy. Seven soil series have been identified in the panchayath. They are Arathil, Pilathara, Pudukai, Kolikkadavu Muthathy, Narikkot, Pilathara and Vayalpra series. Eight land capability classes and six land irrigability classes have been derived. Soil unit-wise crop suitability classification has also been arrived at. Fertility studies have been undertaken by collecting surface soil samples from suitable locations.

The soils were also grouped into various hydrologic groups. The general problems and suggestions with respect to soils have been discussed in detail. Soil taxonomic classification and soil series description are also appended. Soil, land capability and irrigability map and related maps are also prepared and attached with the report.

It is earnestly hoped that this report will serve as a document to evaluate and evolve suitable, efficient location specific programme for integrated development of the panchayath area.