ABSTRACT

The soil and land resources report of Chengala panchayat gives a detailed account of the general characteristics of its area, soils, major problems and management requirements, interpretations and recommendations for various uses.

The panchayat spreads over an area of 5379.05 ha. The garden land covers an area of 1197 ha and is cultivated with arecanut, coconut, tapioca, banana, vegetables etc. Wetland covers an area of 1776 ha. 191.76 ha comprises of converted land. The soil series identified in the panchayat are Arathil, Meeyanganum, Edanad, Padi, Kolathur, Nekraje, Narikot, Kalakkara, Thekkila and Muttathy.

Based on the characteristics of the soils, seven land capability classes as II, III, IV, VI and VII and eight land irrigability classes under 2, 3, 4 and 6 were recognised. IVe is the predominant land capability subclass and 3t 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 encountered in the panchayat are dealt with briefly. Interpretative maps are appended.