ABSTRACT

Chunakara panchayat comprising an area of 1732 ha is located in Mavelikara thaluk of Alappuzha district. Out of the total area, 427 ha is occupied by wet land. Paddy forms the main wet land crop of the area. During the third crop season, sesamum, pulses and vegetables are also grown in paddy fields. Coconut and rubber are the major crops of the garden lands.

Based on soil survey, five soil series identified in the panchayat are Adoor, Palamel series occupying the area under garden lands and Vetticode, Sooranad and Nooranad series under wet lands. Three land capability classes, viz., II, III & IV and three land irrigability classes, viz., 2, 3 & 4 are identified in the panchayat.

In garden lands, soils are prone to excessive drying and moisture stress during the hot dry months, which could be effectively checked by mulching. Soils have low to medium nutrient status and production potential is medium.

Interpretative maps like soil, land capability and irrigability, soil fertility, present and proposed land use, soil conservation priority, location and ward maps are included in this report. This report provides information on location specific problems and their management for integrated development of the panchayat.