ABSTRACT

This report includes an assessment of the soil and land resources of Bharanikavu panchayat and presents their characteristics along with an evaluation of their limitations and managerial requirements for sustained use. Bharanikavu panchayat comprising an area of 2331.95 ha is located in Mavelikara thaluk of Alappuzha district. Out of the total area, 650 ha is occupied by wet land. Paddy forms the main wet land crop of the area. During third crop season, sesamum is also grown in wetland. Coconut is the major crop of the garden land.

Based on soil survey, five soil series identified in the panchayat are Mannar, Palamel and Adoor (garden land), Cherukole, Vetticode(wet land). 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 are included in this report. This report provides information on location specific problems and their management for integrated development of the panchayat.