ABSTRACT

Vellinezhy panchayat of Ottappalam taluk in Palakkad district is located about 54 km east of Palakkad town. It is bounded on the North by Vadakkepuzha or Thoothapuzha, on the East by Sreekrishnapuram Panchayat, on the South by Pookottukavu and Trikkaderi Panchayats and on the West by Cherpulassery and Thrikkaderi Panchayats. The Panchayat lies between 76° 20' 03'' - 76° 23' 54'' E longitude and 10° 51' 40'' - 10° 55' 44'' N latitude.

The detailed soil survey of Vellinezhy panchayat was conducted during 2005-06 and a detailed report on soil and land resources was prepared. This report deals with different soil types occurring in the area, their potential and limitation for different uses and their spatial distribution in relation with other topographical features. The map showing the distribution and extent of soils and other interpretative maps are appended with the report. The soil perspective and its role in improving agricultural production and productivity were given special preference during the survey.

The major limitation or potential of the tract were studied in depth to arrive at strategic action plans. Soil mapping units representing individual managing units were identified and site specific developmental plans which are technically feasible and economically viable are suggested. Soil units identified in the panchayat are classified as per USDA Soil Taxonomic classification system, which enables information exchange and better understanding of the soils. In general, this report gives a complete account of the soil and land resources of the panchayat. Interpretive maps are also appended for the user.