ABSTRACT

Soil and land resource inventory of Vazhakkad panchayat in Ernad taluk of Malappuram district was undertaken by the soil survey wing of Department of Soil Survey and Soil Conservation during 2009-2010 to assess the resources of the area to identify the problems and suggest suitable development programmes for sustained and integrated development of the area. Vazhakkad panchayat extends over an area of 2378 Ha. The panchayat lies in the midland and midup land region and has normal to excessive relief. Coconut is the major crop of the garden lands and paddy, of the wetland. Ramapuram, Valampur, Ponmundam, Naduvattom, Angadipuram, Mannamkulam, Palamallur, Chaliyar, and Vattallur are the nine soil series identified in the tract. Vattallur series extends over the major area. Valampur and Ramapuram are the wetland series. The soils of Vazhakkad panchayat are classified into six land capability classes and six land irrigability classes. The predominant land capability class is 1Ve and land irrigability class is 4t. Interpretative studies include crop suitability, fertility status and hydrologic grouping. Various interpretative maps viz; soil, land capability and land irrigability map, soil conservation priority map, proposed land use map, fertility map etc. are appended.