ABSTRACT

Soil and land resource inventory of Pampakuda panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during 2004 to asses the resources of the area, to identify the problems and to suggest suitable development programmes for sustained and integrated development of the area.

Pampakuda panchayat is located in Moovattupuzha taluk of Ernakulam district and extends over 3009 ha. The panchayat is part of the midlandand midupland tract. The garden land covers an area of 2439.5 ha and is cultivated with rubber, coconut, pineapple, banana, arecanut, etc. The total wetland area is 569.5 ha. Paddy is the main crop cultivated. The soil series identified in the garden land are Odakkali, Perumbavoor, Kilikulam and Irapuram. The major portion of the garden land is under Odakkali series (1035.75 ha) followed by Perumbavoor series (559.25 ha). Kothamangalam (240.5 ha) and Ikkaranad (329.0 ha) and are the soils identified in the wetlands.

Based on the characteristics of the soils, land capability subclasses IIw, IIe, IIes, IVe, IVes and Vle and land irrigability subclasses 2d, 3t, 3st, 4t, 4st and 6t were recognized in the panchayat. IIe and 3t are the predominant land capability class and land irrigability class respectively. Other interpretative studies like hydrologic grouping, crop suitability, fertility and production potential of the soils are also included in the report. The problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.