This report deals with the soil and land resources of Maneed panchayat of Ernakulam district. The report gives a detailed account of the general characteristics of the panchayat viz., area, soils, major problems and management requirements, interpretations and recommendations for various uses.

Maneed Panchayat comprises an area of 2619 Ha located in the western portion of the Muvattupuzha taluk of Ernakulam district. The garden land occupies an area of 2176ha with coconut as the major crop. Coconut, Banana, vegetables, pepper and tapioca are the other garden land crops. Wetland covers an area of 443 ha, of which paddy is cultivated.

A detailed soil survey of Maneed panchayat was undertaken during 1995 and updating done in 1998 to collect soil and land use information of the area. During the soil survey six soil series have been identified in the panchayat. These include Odakkali, Perumbavoor, Punnamattom, Kothamangalam, Pezhakkapally and Ikkaranadu. Perumbavoor series occupies major portion of the garden land with an area of 1496 ha. Followed by Odakkali 653 ha. Based on the characteristics of the soils, land capability classes such as II, III, IV & VI and land irrigability classes viz. 2, 3, 4 & 5 were recognised. IVe is the predominant land capability subclass and 4t the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility and production potential of the soils were made. The main problems encountered in the panchayat are dealt with briefly. Interpretative maps are also appended.