Soil and land resource inventory of Kanjikkuzhi panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during May–June 2004 to assess the resources, to identify the problem and to suggest suitable development plans for the area. The report gives a detailed account of the general characteristics and soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

Kanjikkuzhi panchayat comprising an area of 1662 ha is located in Cherthala taluk of Alappuzha district. Physiographically, the panchayat comes under lowland region. The major crops in the panchayat are paddy and coconut. During the course of detailed soil survey two soil series were identified viz. Alappuzha and Cherukole series. Alappuzha series occupies the major share of the panchayat area (1336.25 ha).

The garden land covering an area of 1336.25 ha is under coconut, cashew, banana, tuber crops, etc. The wetland covers an area of 301.25 ha but paddy is cultivated only in 108 ha. The remaining area is kept fallow. A unique system of cultivation, popularly known as Koottumundakan is adopted.

The land capability classes encountered in the panchayat are III s, III w and IV s and 2s, 2d and 3s are the land irrigability classes. IVs is the predominant land capability subclass and 3s, the land irrigability subclass. Sand is the predominant surface texture of the soils of this panchayat. In general the soils are very deep and the erosion is slight. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility and production potential of the soils were made. The main problems that are encountered in the panchayat and its suggested management are dealt with briefly. Interpretative maps are also appended.