Soil and land resource inventory of Koipuram panchayat was undertaken by the Soil Survey Unit, Department of Agriculture during May - August 2006 to assess the resource status of the panchayat and to arrive at suitable development plans. The report gives a detailed account of the general land characteristics, soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

Koipuram panchayat cover an area of 2226 ha in Thiruvalla taluk of Pathanamthitta district. Physiographically, the panchayat comes under lowland, midland and midupland region. The major crops in the panchayat are coconut, rubber, banana, tapioca, and pepper. The garden land covers an area of 1733 ha and wetland covers an area of 320 ha. 68 ha of wetland area have been converted for miscellaneous uses. At present paddy is cultivated only in 92 ha and most of the fields are cultivated with crops like banana, tapioca and vegetables or kept as fallow. During the survey, eight soil series were identified in the panchayat; Kaviyoor, Kallooppara, Chethakal, Poovanpara, Mannar, Ayroor, Mallassery and Mezhuveli series.

The area has been classified into seven land capability subclasses and seven land irrigability subclasses. IVes is the predominant land capability subclass and 4st, the land irrigability subclass. Gravelly clay loam is the predominant surface texture. In general the soils are deep to very deep and the erosion is moderate. 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.