Soil and land resource inventory of Vazhayoor panchayat was undertaken by the soil survey wing of the Department of Agriculture during 2006 to assess the soil and land resources of the area, to identify the problems and to suggest suitable development programmes for sustained and integrated development of the area.

Vazhayoor panchayat is located in Ernad taluk of Malappuram district and extends over 2119 ha. The panchayat lies in lowland, midland and midupland region. The major crops in the panchayat are coconut, arecanut, banana and cashew. Paddy is cultivated in 101 ha in I\textsuperscript{st} crop and 10 ha in II\textsuperscript{nd} crop season.

During the course of soil survey, nine soil series were identified viz; Naduvattom, Vattallur, Mannamkulam, Pazhamallur, Angadipuram, Chaliyar, Chiramangalam, Ramapuram and Valampur. Soils in the converted wetlands are grouped as miscellaneous soil.

The soils of Vazhayoor panchayat are classified into six land capability subclasses and six land irrigability subclasses. The predominant land capability subclass is IV\textsubscript{es} and land irrigability subclass is 4\textsuperscript{st}. Interpretative studies include land capability, land irrigability, crop suitability, production potential and hydrologic grouping. Various interpretative maps viz; soil and land capability and irrigability map, soil conservation priority map, proposed land use map etc. are appended.