

Estabilización electroquímica de suelos para caminos agrícolas en la comunidad el chaquito (provincia Oropeza, departamento de Chuquisaca)

Abstract

The present research seeks to propose an alternative solution to the problem of instability of soil stabilization by electrochemical (chemical agent DS-328) of low quality soil for the path to the fields of the Community the Chaquito, Oropeza Province Department of Chuquisaca.

The investigation consists in evaluate the current state of instability caminera The Chaquito community, using techniques such as interviews and questionnaires to opinion leaders, old settlers and landowners farming community. Later experimental techniques applied in the field, for the extraction of representative samples of natural soil of the farm road. Statistical data collected by instruments were evaluated, and in the case of soil samples the physical-mechanical analysis (particle size, Atterberg limits, density) and physicochemical (texture, organic matter, pH, sulfates) in the laboratory. The results gave data from which to propose a solution to improve the geomechanical properties of natural soil (density, compressive strength, impermeability).

Keywords: Soil instability, electrochemical stabilization