ABSTRACT

Today Researches all over the world are focusing on ways of utilizing either industrial or agricultural wastes as a source of raw materials for the construction industry. This waste utilization would not only be economical but may also help to create a sustainable and pollution free environment. Sugar cane bagasse ash one such fibrous waste product of the sugar refining industry along with ethanol vapour. Bagasse ash mainly contains aluminium ions and silica. In this paper, untreated bagasse ash has been partially replaced in the ratio of 0%, 10%, 20%, 30% and 40% by volume of fine aggregate in concrete Hardened concrete tests like compression strength, split tensile strength and flexural strength were undertaken. The result shows that bagasse ash can be suitable replacement to fine aggregate.