

WATER CONSERVATION IN RESIDENTIAL BUILDINGS (A CASE STUDY)

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ABSTRACT

Even though it is a well-known fact that we should conserve water as it is a 'sustainable resource' and to protect the water environment is the need of the hour, the efforts initiated by the citizens and others concerned are not sufficient. Out of the many strategies that are there in action towards the conservation of water, this paper highlights the most simple and economical method. That is conserving fresh potable water by using automatic water level controllers. A case study is undertaken to highlight the use of Automatic Water Level Controller in a household and the corresponding benefits are analyzed in depth.

KEYWORDS: Water Level Controller, Over Head Tank (OHT), Under Ground Tank (UGT), Pay Back Period (PBP), Programmable Logic Controllers (PLC)