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EXPERIMENTAL STUDY ON UTILIZATION OF SUBWAY SPRING WATER FOR DOMESTIC PURPOSES

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ABSTRACT: Few millilitres of water are itself made up of billions of molecules. Each molecule is made of one oxygen and two hydrogen atoms held together by strong covalent bonds. Water on our planet flows as liquid in rivers, streams, and oceans; as solid in ice at the North and South Poles; and as gas (vapour) in the atmosphere. Water is essential for human being. Our body consists of 60 % of water. Water is "used from any combination of domestic, industrial, commercial or agricultural activities, surface runoff or storm water, and any sewer inflow or sewer infiltration". This paper intends to Ashok Leyland to provide an overall vision of usage of spring water as in different domestic applications. The present short review shows use of spring water from subway for domestic applications Spring water used in Ashok Leyland for washing machine, cooling towers for Engine testing and drinking water applications by taking input of raw water. The spring water collected that is been directly pumped to storm water line for the filtration and purification purposes. Spring water quality tested by (Total dissolved solids, Hardness, pH) by third party laboratory as per IS 10500:2012 tested water are within its permissible limits. Based on the above mentioned laboratory report, the spring water used for our domestic application and reduces raw water consumption.

Keywords: Spring Water, Filtration, TDS, pH & Hardness

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