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Assessment of Drinking Water Quality from Source to Destination

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***Abstract*—Water is the lifeblood of the biosphere, the accessibility to safe drinking water is getting lesser due to the mounting population and over-exploitation of water resources. Access to safe drinking water is a major issue in urban extents. This research study goals to evaluate the water quality of 7 tube wells installed by the Public Health Engineering department in the vicinities of District Lasbela. For experimental works, at least three samples were collected from each site along with GIS Co-ordinates. Total dissolved solids, Chlorine content, pH, turbidity, electrical conductivity, hardness, Alkalinity, and carbonates test were performed as per standard recommendations, and the attained results were compared with WHO standards. Besides pH, all the parameters were conflicting with the WHO permissible limits of drinking water quality. Due to long hauling distance, the water quality becomes degraded causing health risks in said area.**

***Keywords* —Water quality, water, water resources, health risks, water parameters**