



A-Case Study: Intake of the Bunap River Spring for the Regional Water Supply of Kharan Town

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Abstract—Drinking water is a prime need of mankind. It is also declared in the national constitution 1973, that it is the responsibility of the state to provide clean drinking water to the people, but unfortunately still in many areas people are deprived from this basic facility in spite of investing huge amount by the government and private sector. Water supply is considered essential requisites for any community life of civilized country. As water is the symbol of life and nature's free gift not only to human race but also to every living individual. The importance of water in human life is so much that the development of any community of the world has practically taken place near some source of "water supply". Fresh water is a renewable resource, yet the world's supply of clean, fresh water is steadily decreasing. Water demand already exceeds supply in many parts of the world and as the world population continues to rise, so too does the water demand. The main purpose of this project is to distribution of spring water through gravity at various region of Kharan town. Generally in Baluchistan there is no spring water distribution through gravity. This project deals with the distribution of spring water at various regions of Kharan town and to fulfil the requirement of drinking water for citizens. After the completion of this project sixteen lac liter of water will be provided to the citizens of Kharan per day. This project will play a vital role to cope with water scarcity. After the completion of project 40% of potable water will be provided to the citizens. The water will be provided through underground conduits (pipeline) without any sources (mechanical/electrical).

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