Evaluation of pressurized irrigation systems as a mechanism to optimal water management (case study: B4 Miyan Darband)

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Agricultural sector is the largest water consumer but due to inappropriate irrigation practices, much of this water is wasted and irrigation efficiency is very low in this sector. Therefore great efforts have been made in order to control surface water. Consequently this qualitative research sought to evaluate pressurized irrigation projects in the B4unit of Miyan Darband. Purposeful sampling was used to select study population. Observation, interview and PRA techniques (map sources) were used in order to data collection. Results showed that increasing production performance, preventing irrigation, understand the value of water in current crisis situation and inappropriate channel position, illegal exploitation, small farm plots, pipe and raisers destruction during plowing were expressed by farmers as the most important problems in project exploitation.

Key Words: Evaluation, pressurized irrigation systems, B4unit of Miyan Darband