

Abstract

Research Title : The Development of Rainwater Harvesting System for
community

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The rainwater harvesting and utilization project was established in Bangsaiy Municipality, Ayuthaya province. This report has concluded its evaluation of the potential of rainwater harvesting as an alternate water resource, has formulated its recommendations regarding minimum water quality standard, guideline and usage demands in communities, and methods of treatment, storage, and gutter system for potable purpose (based on fundamental data collections). Additionally, the ways in which to incorporate rainwater harvesting with existing public water systems and state of the role for further promote rainwater harvesting.

In this report, it presents a narrative discussion, associate map, rainwater harvesting system, key stakeholder interview, and other illustrations relating to the potential benefits and advantages that may be derived from rainwater harvesting in the area.

The final part of this report has presented the possible pilot project including design criteria of rainwater harvesting and treatment system.

However, it should be note that the develop of training and understanding of materials on rainwater harvesting and its treatment system are necessary to help communities to understand the appropriate systems and realize the full potential of rainwater harvesting in their communities.

Keywords: rainwater harvesting, stakeholder, pilot project