

# **A Critical Study of Factors Affecting Development of Ancient Irrigation System in Sri Lanka**

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## **Abstract**

One of the main factors that enlight the identity of the civilization of ancient Sri Lanka is its own cultural method of irrigation. The ancestors, whose priority of farming was paddy cultivation, selected the dry zonal area for their settlement. That is proved not only by literature records, but also by archaeological evident. They did so, because the natural and physical recourses for the agricultural were insufficient, in this zone. However, they encountered a great challenge, for getting enough water for paddy cultivation and other consumptions at the proper time due to long droughts. It can be recognized that this reason had affected, to build up a typical irrigation system, covering the dry zone, in which the civilization was established through out nearly 2000 years.

I wish to submitted by this research paper on analysis of field research data, hitherto, on the specialty of the environment friendly traditional irrigation management in the dry zone of ancient Sri Lanka, and an analysis about the example, could be given by that, to the future.

**Key words:** Archeological evidence, Irrigation system, Water management