

Project Proposal #2 – Oloipiri Potable Water Project (10/5/2024)

Project	Location	Description	Cost
<p>Oloipiri Water Project</p>	<p>Oloipiri Subvillage, Loliondo, TZ</p>	<p>HFC has been working for seven years in Oloipiri. We initiated a livestock project, we built a preschool, and recently completed a birthing center.</p> <p>Few water sources exist in this area, especially during the extended drought seasons. While taking water samples throughout our project areas, we came across this water source – a hand-dug waterhole that exposes a small natural spring. It is the only water source for hundreds of families during droughts. Without this source, women, with their donkeys, would walk 5 hours to the next water source.</p> <p>This waterhole is an ideal match for a chemical treatment method used by Maasai Stove & Solar. It includes:</p> <ol style="list-style-type: none"> 1. Two 10,000-liter storage tanks 2. A metal stand that elevates the top tank 3. A solar panel and pump that brings the water to the top tank where the solids are separated from the liquid by the chemical alum. 4. Once treated, the water is gravity fed to the second tank where it is treated with simple chlorine. 5. After one hour, the water is available to people through a supervised spigot. <p>The Oloipiri community will provide a manager who will supervise the cleaning process and secure the tanks at night. The system should last at least 10 years.</p>	<p>HFC will find a matching donor.</p> <p>Total cost: 21,060,000 TSH \$7,800</p> <p>\$3,900 will be each partner’s contribution</p>





Above Photo: HFC's water researcher takes water sample from remote waterhole.
Photo to the right: A young woman has walked a long distance to this waterhole. She now fills her containers with unfiltered/untreated water that has high levels of viruses and bacteria.

Construction schedule: Can begin and be completed by 15 December, 2024