Annexure A

Terms of Reference

Establish borehole with a solar-powered pump and storage tank, Monze District, Southern Province, Zambia

Project Description:

The International Water Management Institute (IWMI), through the CGIAR initiative on Climate Resilience "ClimBeR" are implementing loc**A**l led **C**limate adap**T**ation Champ**ION** (**ACTION**) Grant Program to support community-led adaptation to climate change and sustainable water management practices, livelihood security in rural Zambia.

We propose to set up a borehole to mitigate climate impacts to provide a reliable water source for drinking, irrigation, and livestock in Monze, Southern Province, Zambia. The borehole will be drilled to a sufficient depth and equipped with a solar-powered pump and a storage tank to ensure a steady water supply. The contractor must strictly follow the government procedure and standard norms with the necessary permission and be carried out safely and efficiently.

The borehole will be drilled in a suitable location in Monze, based on the findings of geological surveys and studies with the joint assistance of the local government and targeted communities. The borehole will be equipped with a solar-powered pump and a storage tank, which will be connected to a piping system that will distribute water for drinking, irrigation, and livestock. The system will be designed to provide a steady water supply throughout the year, even during periods of low rainfall.

Budget:

The contractor has to provide complete project cost details, which include drilling and equipping the borehole, installing the solar-powered pump and storage tank, and laying the piping system as well as maintenance support.

Timeline:

The project is estimated to be completed within 1.5 months, depending on the weather conditions and other factors. The timeline includes the drilling of the borehole, the installation of the solar-powered pump and storage tank, and the laying of the piping system. The contract has to provide regular updates on the project's progress to ensure that it is completed within the estimated timeline.