Installation of Demonstration RAM Pump

Implemented by: Prek Leap National Institute of Agriculture (NIA), partner: K-Box **Location:** Phnom Penh and Preah Sihanouk province



Project context

We are using this principle and applying it to agriculture, with Phase 1 impact being made at the university where we aim to introduce 400 students per year to the project through the teachings of the demonstration system. We expect that, of these students, at least 120 will be female. Female enrolment at the Institute continues to increase year-onyear. Phase 2 impact will be made at a 50 Ha site in Kampong Seila where we expect our solution to help 60 families directly, of which 28 are womenheaded families. More than 50 further families will feel indirect benefit derived from our solution in this local area. We propose an end to end solution, from the water source to the trees, without the use of fossil energy at any stage of the process. This system is an innovation for Cambodia, and one which may be applied to any area where there is a stream of flowing water achieving the required elevation for the technology to work. With a widespread rollout, we estimate that there are huge masses of land across Cambodia that this technology may be suitable for.

O Phase 1 is a demonstration system at Preak Leap National Institute of Agriculture in Phnom Penh on National Road 6.

• Phase 2 is the build of a large-scale system to irrigate 50Ha of plantation and pump air in to fishponds at Stung Chral, Obakrotes, Kampong Seila, Sihanoukville (11°11'27.3"N 104°01'22.2"E)



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