

## SOLAR Innovation Fund Grantee KARMA's Foldable Solar Panels and Mobile Pumps set to invigorate rural water markets

KARMA aims to provide a portable solar pump using Copper Indium Gallium Selenide (CIGS) based light-weight and a flexible solar panel that is affordable and scalable. The company has already made customized solar panels at Filsom, and in April 2021, the panels arrived in India. Initial testing of the panels with their solar micropump has been carried out, and they expect the first set of pumps (0.5-2 HP) to be installed in the field by June 30, 2021. Additionally, they have identified at least four partners to implement the first four Mobile URJA sets. KARMA further intends to collect data to understand the present model's total uses, pros, and cons for improving the product. Then, based on feedback from the industrial partner, Flisom will manufacture the remaining sets of CIGS panels. Shown below are snapshots of the prototype that is being demonstrated at various places in Odisha.

