

Updates on RETA: Access to Electricity with New Off-Grid Solar Technology in Central Asia

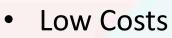
27th CAREC ESCC MEETING 13-14 March 2018, Yyldyz Hotel Ashgabat, Turkmenistan

Concept of "Electricity in a Box"

- Provide access to electricity in rural/remote area
- Super Efficient System:
 - Lithium-ion Battery
 - ✓ DC appliances
 - ✓ LED lights and TVs







- ✓ Less than \$1,200 per unit
- Plug-and-play
- Zero waste packages





Progress So Far

Asia Clean Energy Forum

Exhibition by several firms in Manila
Identified firms capable of providing sample unit

(June 2017)

Evaluation of Sample Units

- Evaluated 8 sample units in Manila
- Selection of firms capable of manufacture" Electricity in a Box" for pilot

(Sep to Dec 2017)

Finalization of Technical Specification (Jan 2018)

> Distribution Arrangement

(Feb 2018)

Detailed design of "Electricity in a Box" for pilot

Implementation Consulting Firm fielded

 Started site selection and distribution arrangement in Kyrgyz Republic and Tajikistan

Expected Delivery Schedule

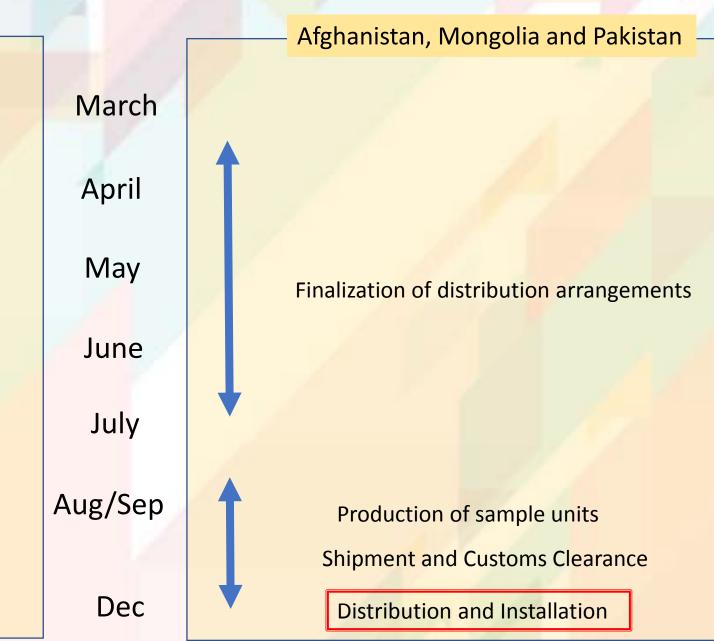
Kyrgyz Republic and Tajikistan

Production of sample units Finalization of distribution arrangements

Shipment and Customs Clearance

Distribution and Installation

Survey and Monitoring



Steps forward

Through Pilot stage, we will evaluate:

- Technical viability/sufficiency of the system
- Social acceptance
- Willingness to pay/ ability to pay by household
- Financial/Economic Variability

In Scale Up,

- Fine Tuning of pilot units
- Innovative Business model to achieve cost recovery/financial viability

Thank you!

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