

## Strengthening of Training Institutions

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### Overview

Though many training programs are being run in the renewable energy space, there are not enough that focus on training local population to become clean energy entrepreneurs. A need has been identified for a centre of excellence/knowledge hub, which can be a go-to place for local people to become technically competent solar energy entrepreneurs and existing entrepreneurs to have readily available resources for researching new ideas.

CLEAN, as an ecosystem enabling body would like to partner with 3/4 training centres and set-up solar labs in the selected institutions.

### Contribution from CLEAN

1. Set-up a centre of excellence for solar technicians and entrepreneurs. The centre to have a solar lab with different equipments to support training courses. The equipments to be provided by CLEAN through competitive bidding.
2. CLEAN will offer relevant course to the training institutions. The content to be developed by third party and approved by CLEAN. The course is envisioned to be a comprehensive short-term (1-2 month) course on system integration for solar energy products, including technical and business aspects.
3. CLEAN will conduct one Training of Trainers and sponsor the training of the 1<sup>st</sup> batch of participants

### Tentative list of equipments to be setup in the lab:

- Solar PV System (Modules, cables, support structures etc )
- Charge controller
- Inverter
- Battery Bank
- Different types of loads– electricity: lights, fan; and productive loads: pump, rice hullers etc
- Sun radiation meters, Luxmeter
- Sun trackers
- Installation/mounting tools
- Data acquisition systems
- Other equipment as per mutual consent

### Expectations from Training Centers:

- Availability of space for setup of lab and a classroom for delivery of training
- Development of criteria for identification of participants/Participant screening mechanism
- Mobilization and enrolment of participants
- Data sharing on placement records of trained participants for at least 10 years
- 10% contribution to the cost of equipment
- Due visibility to CLEAN and USAID (our funder). Access to the lab to both parties whenever deemed required.

### Criteria for selection of training center:

- Location (Preference to be given to training centres based in a place with issue of energy access in nearby areas- North east, Odisha, UP, Bihar, Jharkhand, Chhattisgarh. We would be open to consider any other location provided a convincing justification is provided by the training centre for the need of such a lab in their geography).
- Accreditations/ affiliations with government certifying agencies
- Latest ratings by accrediting bodies
- Availability of faculty with basic knowledge of renewable energy, who can be trained to become a master trainer.

### Tentative Timeline:

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		Jan'18	Feb'18	Mar'18	Apr'18	May'18	June'18	July'18
1	Call for EoI by Training Institutes							
2	Identification of institutions							
3	Formal tie-up with identified institutions; Partnership documentation							
4	Lab design and setup							
5	Content Development							
6	ToT and Start of course							

### How to apply

Interested training institutes are requested to send in their expression of interest (including a brief about their institute) to [gursimran@thecleannetwork.org](mailto:gursimran@thecleannetwork.org), latest by 25<sup>th</sup> Jan'18.

**About CLEAN:** Clean Energy Access Network is an all India representative organization launched in 2014 with a clear mandate to support, unify and grow the decentralized clean energy sector in India. With 111 members as of date, it aims to bring together diverse stakeholders across India working to improve energy access for the rural and urban poor and create an inspiring model for countries around the world to follow. CLEAN is technology agnostic. Technologies include solar, wind, bioenergy, pico hydro. Its main focus areas are Access to Finance, Technology, Skills & Training, Policy Engagement and Information & Networking. Additional information is available at [www.thecleannetwork.org](http://www.thecleannetwork.org)