

Concept Note of Solar Home Lighting System Project

Who we are? We are BOOND Engineering and Development P Ltd. a social enterprise founded in 2010 promoting alternative energy in Rajasthan, Uttar Pradesh, Delhi NCR and other northern states of India and now expanding its base in the Eastern and North Eastern part of the country too. We are specialized in providing customized solar solution across the spectrum of various solar products and applications. BOOND's identity is well established as a social enterprise that is driven by its social mission to serve the underserved. At BOOND, we realize how access to energy can catalyse India's cohesive and inclusive development and that access to energy is a primary driver for development. The different areas of interventions carried out by BOOND are

1. Education
2. Health
3. Socio economic development

The projects carried out by BOOND result in a positive impact on health, education and socio economic development of the target community. The program of BOOND is designed specifically for each area of intervention.

What is the Project?

- To provide Solar Home Lighting System(SHLS) to the energy deprived rural population
- Project area should be rural or semi-urban where either grid connections have not reached due to remoteness and protected forest and most probably will not reach in the near future too or grid is not reliable enough.

What we did till date? We are a social enterprise working with the rural tribal community in Rajasthan and are now willing or open to expand our base, pan India in the field of energy access & microenterprise development through solar energy. The region is geographically tough and population is living in very scattered settlements over hills, due to that it is becoming nearly impossible for the government to provide grid connectivity to the interior villages and households. This condition force them to live in the dark with no hope of light forever, because of that they are out of the mainstream society which leads them depriving of basic and fundamental facilities like education of children, health, information and job opportunities etc. with our small effort we are bringing some changes in their lives by providing them basic energy access through Solar Home Lighting system and trying to address this issue at their household level.

Impact made till date:

- We are eliminating dependency on kerosene and other fuels for lighting house after sunset.
- We have reached more than 2500 HHs in this area and impacted nearly 12500 lives.
- It helped education of the children and their performance in the school
- Reducing the animal attack due to darkness
- Empowering rural area in energy access

What are possibilities/opportunities & plan?

Project Goals and Objectives: Goal is to provide basic energy access to every household in the project area.

Project Strategy/ Listing of Project Activities: We do

- Survey of the village about condition of electrification
- Identification of households where electrification in not done yet.
- Meeting in the village where project will be started

- Getting demand of the Solar Home Lighting System (SHLS)
- Filling form with full details of family including education, health condition of the members, source of income etc.
- Install the SHLS into their households
- Monitor their energy consumption on regular basis
- Giving them regular monthly maintenance service for 1 year
- Impact on the family from SHLS after one year.

Our Range of Products

System	Components
40W	3LED Bulb 3W, 1 Tube light 5W, 1 Mobile Charger
100W	3LED Bulb 3W, 1 Tube light 5W, 1 Fan, Mobile Charger
100W+TV	3LED Bulb 3W, 1 Tube light 10W, 1 Fan, 1 TV, Mobile Charger

Pls reach out to us on below mentioned details, so that we will work together for the better future for these underserved communities.

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