

Village energy kiosk as the key to sustainable home lighting in 2 lakh Indian villages

Solar lantern are generally supplied to end users without any sustainable supply chain management system like training, maintenance, warranty, back up, MIS etc. This results in users themselves (many users are illiterate, women and some times old) spending whole day time to charge, fail to attend simple repair and proper care and miss the service of light especially times of unfavorable weather and finally loose faith in them.

THRIVE proposes alternative ENERGY KIOSK in each village where an user can walk in and get the light charges for a token fee and enjoyed continued service and maintenance of light. The schematic diagram with features is explained below.



**Simple inexpensive LED lights
that cost 200 to 750 Rs.**

- **A village youth well trained (along with his assistant) manning the KIOSK.**
- **Every village or cluster of small hamlets can have one energy kiosk.**
- **Can serve from 100 upto 500 or more lights.**
- **Clearly identifiable location and branding.**
- **Members deposit the light in the morning and collect in the evening- once in a week on a fixed week day. Each member is allocated a particular day of week for charging.**
- **Users pay upto 20 rs a month for good full charge and maintenance of the light.**
- **Daily MIS through mobile .**
- **Solar based or grid based where ever grid is available.**
- **KIOSK financed from any available employment schemes.**

Core benefits

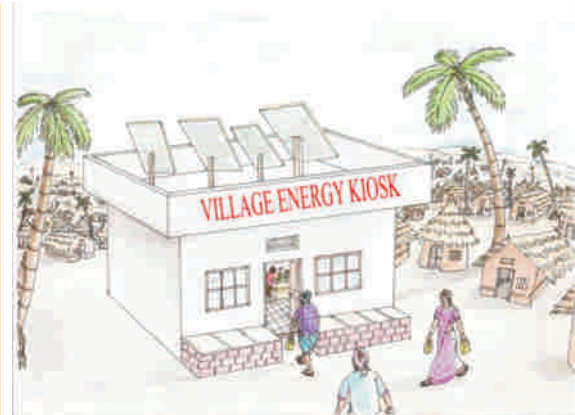
Inexpensive LED lights that cost anywhere from 300 rs. are available in the market. No need for any special funding as this system can be accommodated from the available schemes.

- Users need not bother everyday about charging their light by solar or grid
- For a nominal fee the full and good charging is ensured by the KIOKS
- One or two youth make good livelihood in the village and they spread tech culture with mobile also
- Village gets the benefit of service and charging of light/mobile/other batteries

It is like a village institution that is sustainable, economical, fits into regular schemes and does not require subsidies.

- Kiosk entrepreneur is matriculation failed or passed
- Trained for one month in solar and basic electronics
- Can even repair a radio and simple electronic items
- Takes regular updates through mobile
- Upgradeable to a computer kiosk or common facility center
- Energy kiosk can cost upto 25000 to 50000 Indian rupees

Energy kiosk will be the nerve center of financial, banking, and information activity in the village in the future



- Can also act as a bank agent to sell various finance products like insurance products, credit/debit cards, deposits, personal loans etc.,
- Can maintain ATM
- Online Trading
- Internet Café's

Benefits

- Working for a social cause
- Make a difference for not only to them but also to the environment
- Internet enabled and cell phone charging with solar energy and converting the village into global village
- Empowering and recognizing local communities to maintain the local data
- Both data and voice connectivity in conjunction with the alternative/ solar energy supply system constitute the basic infrastructure in the kiosks
- Transform the life of rural youth
- Village sustainability and achieve the goals

Thrive Energy Technologies (P) Ltd.

12-13-333, Street No.10, Tarnaka, Secunderabad - 500 017. Andhra Pradesh, INDIA.
Phone No.: +91 40 40181212, Email: info@thriveenergy.co.in
www.thriveenergy.co.in; website: www.thrive.in