

**Status Report-Solar Energy Systems in Girl's Orphanage building**

**Installation of Solar lighting:**

To reduce dependency on uncertain electricity and make use of solar energy, with the support of PPI, Seattle, VIKASANA received the financial assistance to install the solar lighting systems in Duglapura center where the orphanage new building rooms constructed. According to the quotation given we ordered this task to Selco Solar Pvt Ltd, Shimoga. Accordingly they installed 12 solar lights inside the building and two lights outside the building (Room1 office: 02 lights, Room2 accommodation: 01 lights, Room3 accommodation: 01 lights, Room4 accommodation: 01 lights, corridor-02 lights, 4 toilet: 04 lights and 2 bathroom: 02 lights and passage-01 light).

**Recent results:**

- Still all these lights are working and switched on normally everyday between 6pm to 11pm
- Children are using these lights to read, write and accomplish their homework in the evening
- Children continued their studies even when there is no power, dependency on uncertain electricity reduced
- Effective utilization of solar energy has been experienced by children
- Adequate power availability throughout the nightlife and decreased cost on electricity

**Solar water heater:**

According to the proposal plan and sanction of the same, we selected the solar water heater and we ordered it from SELCO Solar Pvt Ltd, Shimoga district. As soon as the plumbing work completed, the technical team from the solar agency have installed it properly and the water heater systems is functioning properly. They also given the use and maintenance of this unit to the teacher and cook of the center.

**Recent results:**

- This 200 liters capacity of water heater provided 16 buckets of enough hot water every morning. The water gets re-hot every time within 10 hours
- All together 20 children properly using this water heater system and taking warmer bath from the hot water collected
- Improved hot water facility for all children and improved infrastructure access to continue the rehabilitation
- Increased children interest to get fresh and ready school early

Hence this Orphanage building is supporting to the children in several ways to continue their education. Now there is more space, privacy and accommodation facilities are improved. They sit, study, read and write here even if there is no electricity. Since there are solar lights, electricity problem has not been experienced. Children were also using hot water for bathing from the newly installed solar water heater. All the bridge school duglapura children, teachers and VIKASANA team are happy for this support and expressed their sincere thanks to PPI, Seattle.

**Project Director,  
VIKASANA.**