

## UNDP-GEF CSH Project

### Completed Assignments

Sr. No.	Assignment/ Activity	Physical & Financial (Rs. In lakh) Status	Outcome/ Progress
1.	Field Evaluation Study of around 100 existing installations on CSTs based systems for Community Cooking, process heat and cooling applications by <b>APITCO, Hyderabad</b>	Completed in 2013	A booklet with two pages on each installation covering all the information along with photographs has been prepared and placed on CSH website.
2.	Development of Performance Measuring Standards, Test Procedures & Test Protocols for CSTs based systems by <b>G.K. Energy, Pune in Consortium with Thermax, Akson Solar and University of Pune</b>	Completed in 2013	DPR was prepared and vetted by an Expert Group. Based on this DPR, Test set ups (Both mobile & Immobile) have been established at NISE, Gurgaon & University of Pune
3.	Procurement and installations of equipment/instruments for on-line performance monitoring of selected Concentrating Solar Technology (CST) based installations in the country for process heat, community cooking and cooling applications by <b>EcoAxis, Pune</b>	Completed in Mid 2014	All the monitoring instruments/equipment were procured & installed at 15 identified sites. On-line performance data has started coming for all the installations.
4.	Market Development of CSTs for Process heat, Community Cooking & Cooling applications in various sectors as per below:  i. Industrial sector by <b>PwC, Hyderabad</b> , ii. Hospitals & hospitality sectors by <b>WISE, Pune</b> iii. Institutional & Religious Sector by <b>Dr Ajay Chandak</b>	Completed in March 2014	20 workshops organized. Video films on successful projects with case studies prepared. All these activities helped in generating DPRs & proposals.
5.	Independent Technology Assessment and Performance Evaluation of Concentrating Solar Technologies (CSTs) based Systems for Community Cooking, Process Heat, and Cooling Applications by <b>EcoAxis Systems Pvt. Ltd., Pune</b>	Completed in Nov. 2014	Assessment report on CSTs in country & abroad prepared, Report on manufacturing facilities and 4 page pamphlet on each technology giving details, photographs, schematic diagram, utility, performance, cost, savings etc also prepared and made available on CSH website

6.	Development of skilled Manpower for Operation, Maintenance & Trouble Shooting of Concentrated Solar Technologies (CSTs) based systems for various Applications by <b>AnthroPower Training (P) Ltd, Delhi</b>	Completed in 2014	12 training programmes organised in different states with Manuals for each of 6 technologies prepared both in English & Hindi
7.	Procurement & supply of radiation & performance measuring instruments/ equipment for establishment of test set ups for CSTs” at University of Pune & National Institute of Solar Energy( NISE), Gurgaon by <b>SGS Weather &amp; Environmental Systems, Delhi</b>	Completed in July 2014	Entire work has been completed with Mobile Test facility developed at both the places
8.	Establishment & maintenance of test set ups for CSTs” at NISE, Gurgaon & University of Pune, India by <b>Thermax (P) Ltd, Pune</b>	Completed in Sep. 2014. Now O & M being managed till March 2017	Both the Immobile test setups at NISE, Gurgaon & UoP have been commissioned. O&M of test set ups is now being taken care of by Thermax till 31 <sup>st</sup> March, 2017