

# Profile of Shri Shakti Alternative Energy Ltd

## Our Mission

- *To provide clean and convenient energy solutions at an affordable cost for a broad spectrum of applications.*
- *To promote efficient use of energy and to preserve environment*
- *To foster a culture of participation, team work and learning*

SSAEL provides consultancy services and complete solutions for Renewable Energy (RE), Energy Efficiency (EE) and Clean Development Mechanism (CDM) projects.

## SSAEL – RE, EE and CDM Solutions



Assisted by International Finance Corporation (IFC), Washington, (part of the World Bank) under a special program of Global Environment Facility (GEF). IFC has 26% equity stake in SSAEL.

Empanelled by Bureau of Energy Efficiency (BEE) for providing Energy Services. Comprehensive Consultancy Services to develop EE improvement projects, financial intermediation and implementation through ESCO performance contracting mechanism.



Built the first ever Solar Power Plants in the states of Arunachal Pradesh and Mizoram. Empanelled by Ministry of Non-Conventional Energy Sources to design and install Solar PV Power Plants.

Registered with World Bank for providing Consultancy Services, Vendor ID number VIN\_78319. Completed an assignment to support the formation and build capacity for Indian Council for Promotion of Energy Efficiency Business (ICPEEB), a national association of energy service providers. Deliverables included



proposals for funding the activities, knowledge management portal ([www.icpeeb.org](http://www.icpeeb.org)), business plan and revenue model etc.



**CBNet** Providing Consultancy Services for securing carbon credits under Clean Development Mechanism. SSAEL has an MoU with CBNet, Vienna, Austria, to develop a Carbon Advisory Service in India. CBNet has a portal [www.climatebusiness.net](http://www.climatebusiness.net) for posting Project Information Notes (PINs) and for finding buyers and sellers.

SSAEL in association with Environment Protection Training and Research Institute (EPTRI) is jointly developing CDM projects under Consortium arrangement using the expertise of both the organizations. EPTRI is the Nodal Agency for CDM and Centre for Climate Change appointed by Government of Andhra Pradesh vide GO Nos 101 EFS&T (ENV) Department dated 19/11/2001.



Knowledge Partner for the first International ESCO conference (June 2005) organised by PCRA and FICCI at New Delhi. Prepared the Background Paper for the conference and developed the content for knowledge management for the conference community.



SSAEL's experts have developed CDM projects for EE Improvement in SME Clusters. Completed an assignment from UNIDO for EE Improvements in SME Ceramic & Pottery clusters in UP and Gujarat.



In 2006, SSAEL conducted an energy audit and prepared an energy strategy plan for Airports of Mauritius Ltd (AML) for SSR International Airport for their expansion plans. The study identified over 30% energy saving potential, provided detailed



investment analysis and road map for implementation and future strategy for energy management. Various alternative energy options such as Solar PV, Wind, Biomass, Solar Thermal and gas capture from Landfills / Sewage have been studied and techno-economic feasibility was given.

Received a Grant under Global Village Energy Partnership's (GVEP) GAPFund (GVEP Action Programs Fund) for “Development and Implementation of a Geographical Information System (GIS) and Knowledge Management tools for Capacity Development at National Level for Remote Village Electrification Programs in India and for GVEP Partners to scale up their activities”. The GAPFund has been set up by ESMAP of World Bank and is managed by Winrock International.



Turnkey Consultancy Services in Renewable Energy – Solar PV, Small Hydro, Small Wind and Biomass Gasifier projects. Services also include survey, identifying the best RET solution and



preparation of DPR.

SSAEL offers consultancy for Renewable Energy and Energy Efficiency Projects @ Design Stage for buildings covering lighting, air-conditioning, water recycling and alternate energy (including Solar Thermal Systems, Building Integrated Photovoltaic Systems – BIPV) that blend with the architecture.



Currently implementing a project to install community solar water heating systems for TZED Homes project of BCIL in Bangalore for 80 apartments and 16 duplex



bungalows.