

Sunday, March 28, 2010

- Depart for Bangalore

Monday, March 29, 2010

TATA BP Solar, IT City, Bangalore

- Welcome Address and Introduction
- Safety Session
- Overviews of activities at "Tata BP Solar" Customer service
- Solar PV Systems. Components, Working and Trouble Shooting

- Solar Thermal Systems. Components, Working and Applications / Products
- Demonstration and Installation. Installation Video - Lantern/HLS
- Demonstration of Street Light

Tuesday, March 30 am
TATA BP Solar, IT City, Bangalore

- Installation of HLS Hands On Experience
- Servicing solar products. Modules / SCR / Battery etc
- Factory visit
- Travel to SELCO

Tuesday, March 30 pm
SELCO, Bangalore

- Overview of SELCO
- What is the specific problem SELCO is trying to address?
- What is SELCO's vision in trying to resolve these issues?
- Brief description of SELCO's operations (approach)
- SELCO innovation in implementing this strategy
- Impact of our work
- Challenges
- Financial Models
- Case studies of financial models
- Impact of these financial innovations
- Challenges
- Innovations
- Overview of Innovations Department
- Presentation of case studies
- Learning and challenges
- Video presentation



Venue: The Muthoot Plaza
Punnen Road, Thiruvananthapuram - 695039
Kerala, India
Tel : + 91 471 2337733
Fax : + 91 471 2337734
Email : tvn@muthootplaza.om
Website : www.thmuthootplaza.com

About Thiruvananthapuram (also known as Trivandrum): the capital of the state of Kerala is a beautiful seaside city built on seven hills is also called 'God's Own Country'. It is located on the western coast of India near the extreme south of the mainland.

Temperature: The climate in Trivandrum during March and April will be hot with the day temperature approximately at 28 C to 33 C and the night temperature approximately at 26 C. Tropical rains are possible.

Venue: Hotel Radha Regent
110-C, Electronics City Phase-I
Near Fire Station, Bengaluru-560100
India
Tel : + 91 80 67276969
Fax : +91 80 67276767
Email : gm.ecity@radharegent.com
Website : www.radhahotels.com

About Bangalore (also known as Bengaluru) : Bangalore is the capital and the largest city of the Indian state of Karnataka. It is also called "Garden City" for its beautiful gardens, flowers and trees which flourish in each and every street.

Temperature: Summers (March to May) are very pleasant in Bangalore. It offers mild climate with a maximum temperature of 34°C even in summers and due to this the city has the privilege of being considered as a summer retreat.

For more information, please contact:

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**CAPACITY DEVELOPMENT PROGRAM
FOR AFGHAN WOMEN
(CLEAN ENERGY ACCESS)**



**MARCH 22 - 27, 2010
THIRUVANANTHAPURAM, KERALA
MARCH 28 - 30, 2010
BANGALORE, KARNATAKA
INDIA**



Knowledge Partners



CAPACITY DEVELOPMENT PROGRAM FOR AFGHANISTAN WOMEN (CLEAN ENERGY ACCESS)

MARCH 22 - 27, 2010, THIRUVANANTHAPURAM, KERALA, INDIA
MARCH 28 - 30, 2010, BANGALORE, KARNATAKA, INDIA

Objective

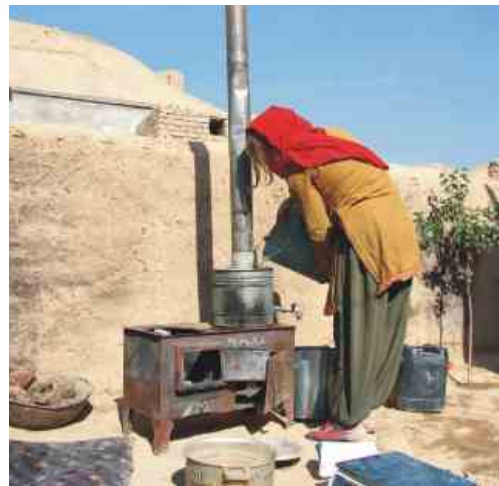
Access to energy and its sustainable use is a key factor in economic development. Yet in the developing world almost all forms of energy have limited availability and unequal distribution, where poorer sections of the population, especially women are marginalized. Women continue to play a key role in household energy as gatherers of fuel wood, charcoal and dung for cooking and heating. They experience the work load of travelling greater distances to collect it when supplies are limited. They also bear a disproportionately larger burden of ill effects of indoor pollution on their health. This phenomenon is experienced in different degrees in the South Asian countries posing a serious challenge to the achievement of Millennium Development Goals. Increasing access to cleaner, modern energy sources can make a significant difference in women's lives in terms of their health and time-use, enabling other endeavours such as education and income generation.

The objective of the workshop is to enhance both the knowledge and skills of women professionals in Afghanistan whose in-country activities are linked to decentralised clean energy supply and efficient utilisation. This is to be accomplished by bringing them together for six days of training at the Energy Management Centre (EMC), Kerala and two days of hands on skill development exercise in Bangalore under the supervision of BP Solar and SELCO leading private sector partners on solar technology application.

Who Should Attend

The participants attending the workshop should have one or more of the following qualifications or experience

- background as an NGO, or private sector entity with a focus on renewable energy use in support of development activities
- experience with community level energy access programs or projects, including demonstration activities
- current engagement or responsibility in handling of renewable energy based interventions in government ministries or autonomous entities
- policy planner or advisor for the government engaged in the energy sector
- engaged in technical or engineering institutions
- engaged in poly technique as faculty or final year graduate students



Training and Results

The Program is targeted for hands on training of women from Afghanistan on renewable energy applications especially for domestic and productive end users. The participants will be selected from NGOs, government line ministries, private organization and technical institutions.

This is application based training with the focus on the following:-

- Solar Home Lighting Systems
- Solar Heating
- Biomass
- Micro-hydro
- Wind Energy

- Improved cook stove designs etc.
- Innovative financing mechanisms including micro-finance
- Other relevant renewable energy technologies.

After the completion of this workshop, the participants will be familiar with available energy sources, efficient equipments, programs, and best practices of energy conservation that reduce energy costs. The knowledge gained can be further used to train other women in their community and professions thereby ensuring sustainability. They will be empowered to reduce the environmental pollution around them, improve health conditions and create employment opportunities for self sufficiency.



Schedule of Activities

Monday, March 22, 2010

- Purpose of the Program and Expectations
- Course Overview
- Synopsis on SAWIE
- Women in Energy (Round Table discussion)
- Opportunities in Afghanistan for Energy and the Inevitable Transition to Renewable Energy
- Afghanistan Geospatial Toolkit

Energy Efficiency Options

- Efficient Lighting
- Improved Cook Stoves
- Site visit - Demonstration of EE Appliances
 - o Demonstration of Thaapa bharani (Thermo Cooker) developed and popularized by Energy Management Centre in Kerala.
 - o Demonstration of LED Lamps and other energy efficient products from Energy Conservation Mission (ECM) leading towards an integrated energy plan for unelectrified villages in rural areas

Tuesday, March 23, 2010

- Sustainable Energy and Women
- Calibrating your Solar Energy Intuition
- Small Hydro based Energy Generation
- Wind Energy
- Traditional Biomass and Bio gas, use for Household Energy
- Introduction to PV Technology
- Introduction to Solar Water Heating Technology



Wednesday, March 24, 2010

- Overview of Energy Conservation Act
- Energy Efficient Systems for Productive end uses - Water Pumping, Crop Crushing, Drying etc
- Space Heating and Cooling
- Green Building Concepts
- Star Labelling Program in India
- Site Visit : What is an Energy Clinic? How to organize an Energy Clinic?
 - o Solar Renewable
 - o Household Energy
 - o Gender Energy
 - o Energy Policy

Thursday, March 25, 2010

- An introduction to Micro Financing of Renewable Energy and Energy Efficiency Projects
- Various Financing Mechanisms in Renewable Energy Supply and productive uses
- Merchant Bank Model
- Urja Stores
- Micro Finance for Women Empowerment
- Case studies and best practices in sustainable financing
- Site Visit to Energy Clinic

Friday, March 26, 2010

- Energy Policy Developments
- Energy Access and Millennium Development Goals
- Women's Rights and Natural Resources
- Presentation of recommendations by each team representative from the four groups
- Developing a road map for Afghanistan with support from WISER
- Valedictory by the Chief Guest
- Presentation of Certificates
- Closing Remarks and Vote of Thanks

Saturday, March 27, 2010

- Site visit - Renewable Energy Applications in Hospitality Sector

