

**Meeting of SREP Pilot Countries
October 30, 2012 - Istanbul, Turkey**

SREP Progress Updates - New Pilots and Reserve List Countries

Country: Yemen

Scoping/joint mission date: Scoping Mission carried out October 22-24, 2012

What is the status of renewable energy in your country, and what are the challenges for scaling up?

Status:

- Renewable Energy strategy & an action plan was finalized & approved by cabinet mid of 2009
- 1-1.3 MW Telecommunication P.V systems were installed in rural areas.
- 0.05-0.15 MW P.V lighting systems were installed in rural areas for (50-100 Wp/H/Hs)
- 2 private factories for solar water heaters were installed during last decade
- 0.1-0.150MW small wind turbines were installed in rural areas during last decade
- 0.02-0.05MW solar water pumps were installed during last decade

Challenges:

- An independent commercial rural Electrification are not available
- No active monitoring & follow up mechanism
- No attractive incentives for private sector working in the field of marketing R.E systems
- No attractive incentives for required R.E expertise's(Engineers, social researches ,Technicians)
- No Grid Boot Renewable Energy Tender documents still not prepared
- No Grid code for available Electricity systems
- Initial cost of solar systems is beyond villagers capability (Expensive)

What are your country's main achievements and opportunities in the areas of renewable energy?

Achievements:

- A 60 MW (Boot) wind farm to be commissioned in 2015.
- Announcement of Mukha 60 MW wind farm Tenders (before mid Dec 2012) & to be commissioned in 2015.
- Drilling of the first geothermal well by mid of 2013.
- Announcement of > 2000& to install 5-10 MW GP/s to be commission by 2017 P.V (Rural lighting sys) Tenders by next year (Expected) to be finalized 2020
- Electrification of around 20,000 rural H/Hs by P.V systems during 2013-2020
- Installment of > 500 Biogas digesters in rural Areas up is 2020.

Opportunities:

- Wind Energy potential is 34,000 MW (Practical Technical)
- Geothermal Energy potential is 3000MW (Practical Technical)
- Solar Electric (CSP) potential 18600MW (Practical Technical)
- Solar water Heaters potential 387 MW thermal (Practical Technical)

What are the preliminary outlines of your SREP investment plan, in terms of technologies, financing sources and instruments, enabling environment activities (policies, regulatory framework, etc), and/or capacity building?

Preliminary outlines of Yemen are:

- To install on-grid Renewable Energy (on-grid) projects with total capacity of (450MW wind, 140 MW Geothermal,..) up to 2025.
- To establish a commercial wind,Geoth Boot policy, institutional & regulatory frame work.
- Tendering for wind (Boot) projects.
- Establishing wind measurement station for detailed Wind Atlases.
- Establishing central steering board headed by minister of MOEE and an active coordination mechanism for involved stake holders.
- Creation of an active private service providers to implement & follow up rural Electricity project.

- Capacity building program to provide the field of R.E by required expertise.