





## United Nations ESCWA Study Tour for Policy Makers from West Asia

Ensuring Access to Modern Energy Services in Rural Areas through the Use of Renewable Energy Technologies – Indian Experience

### 6. Tentative Programme Agenda

#### Day 1

0900–1800 Arrival of participants in Mumbai; Travel to Pune by Road; Stay at Pune

#### Day 2

0930–1000 Registration

#### Opening Session: 1000 hrs to 1030 hrs

1000-1005	Welcome	Mr. G. M. Pillai, Director General, WISE
1005-1015	Introductory Remarks	Dr. Krishnan S Raghavan, United Nations ESCAP-APCTT
1015-1025	Objective of the Study Tour	United Nations ESCWA
1025-1030	Self Introduction of the participants	

Tea: 1030 hrs to 1045 hrs

#### Session 2: 1045 hrs to 1315 hrs

1045–1130	Institutional structure and Framework for Renewable Energy and Rural Electrification In India	Mr. Surendra Pimparkhedkar , Fellow & Head CRP , WISE
1130–1230	Viable Renewable Energy Technology Options for Off-grid energy generation in India	Mr. Anand Wagh, Associate Fellow , CRP, WISE
1230–1315	Federal and state government policy initiatives for promotion of renewable energy in rural areas (RGGVY, RVE,JNNSM, state government policies)	Mr. Suhas Tendulkar, Fellow & Head, CCS, WISE

Lunch break: 1315 hrs to 1415 hrs

#### Session 3: 1415 hrs to 1545 hrs

1415–1500	Regulatory initiatives for development of renewable energy in India ( FIT, RPO, REC, OA )	Mr. Satadru Chakraborty , Associate Fellow, CRP WISE
1500–1545	Regulatory initiatives for development of decentralized distributed renewable energy generation.	Mr. Surendra Pimparkhedkar , Fellow & Head CRP , WISE

Tea: 1545hrs to 1600 hrs

**Session 4: 1600 hrs –1730 hrs**

1600–1645	Jawaharlal Nehru National Solar Mission framework (Phase I – III) .	Mr. Suhas Tendulkar, Fellow & Head, CCS, WISE
1645–1730	Documentary on Solar thermal heating applications.	

**Day 3****Session 5: 1000 hrs to 1130 hrs**

1000–1045	Indian experience in development of decentralized distributed RE options for facilitating energy access in rural areas.	Mr. Satadru Chakraborty , Associate Fellow, CRP WISE
1045–1130	Global best practices in providing modern energy access to rural areas( Lao PDR, Bangladesh, Nepal)	Mr. Surendra Pimparkhedkar , Fellow & Head CRP , WISE

Tea: 1130 hrs to 1145 hrs

**Session 6: 1145 hrs to 1300 hrs**

1145–1215	Methodology for improving RE access in production sector in rural areas	Mr. Imad Sleiman, UN ESCWA consultant
1215–1300	Experience in developing sustainable energy technologies for income generation and improving quality of life of rural people.	Dr. Priyadarshini Karve , Director, Appropriate Rural Technology Institute (ARTI), Pune

Lunch break: 1300 hrs to 1400 hrs

**Session 7: 1400 hrs to 1530 hrs**

1400–1445	Framework for institutionalizing RE technology transfer to the ESCWA region	Dr. Krishnan Raghavan, UN ESCAP-APCTT
1445–1530	Manufacturing of RE technology for rural areas	UN ESCWA

Tea: 1530 hrs to 1600 hrs

**Session 8: 1600 hrs to 1730 hrs**

1600–1645	Case study – 1 (Solar based Micro-grid Project for providing electricity to un-electrified households )	Mr. Sameer Nair, Director ,Gram Oorja Solutions Pvt Ltd, Mumbai
1645–1730	Case study – 2 (Napier grass based biogas project for meeting electricity and cooking gas )	Mr. Santosh Gondhalekar, Director ,Gangotree Eco Technologies Pvt Ltd, Pune

## Day 4

**Field Visit:** 1000 hrs to 1800 hrs

**1000–1800** Visit to 9.36 KW solar PV based mini-grid project of Gram Oorja supplying electricity to un-electrified hamlet at Darewadi (39 households) near Pune ( 130 KM from Pune)

**OR**

Visit to 25 KW Napier grass based Biogas project supplying cooking gas and power to households ( Gangotree Eco Technologies Pvt Ltd under GIZ funding )

Location : At Kolvan near Pune (40 KM from Pune)

**OR**

Visit to 250 KW solar thermal –Biomass hybrid distributed power generation project developed by Thermax India at Shive village near Pune ( 50 KM)

## Day 5

**Visit:** 1000 hrs to 1300 hrs

**0900–1200** Visit to Appropriate Rural Technology Institute (ARTI), Pune  
(Know about the Rural Technology Development and R&D activities being carried out at ARTI)

Lunch break: 1200 hrs to 1300 hrs

**Session 9:** 1300 hrs to 1600 hrs

<b>1300–1345</b>	Public-private partnership for the financing of RE technology in rural areas	UN ESCAP
<b>1345–1430</b>	Case study – 3 ( Experience in providing sustainable energy options including financing and service to end users in rural areas)	Mr. Surabhi Rajagopal, Principal Consultant SELCO Foundation
<b>1430-1515</b>	Case study – 4 (Role of State Nodal Agency in promoting modern energy access to rural areas)	Mr. Sanjeev Jain, GM, Chhattisgarh Renewable Energy Development Agency
<b>1515-1600</b>	Case study – 5 (AUB-AREC RE demonstration facility for building the capacity of local rural communities)	UN ESCWA

Tea: 1600 hrs to 1615 hrs

**Wrap up Session:** 1615 hrs to 1700 hrs

<b>1615–1645</b>	Wrap up	United Nations ESCWA and ESCAP - APCTT
<b>1645-1700</b>	Feedback Valedictory	United Nations ESCWA and ESCAP - APCTT

**1700 hrs** Departure to Mumbai and next day return of participants to their destinations.

