



Technical assistance on the design and construction of a ground-based photovoltaic plant of 1MW rated capacity

Response plan First Workshop Program

September 5,6, 2016

UDES, CDER, Bou-Ismaïl, W. Tipaza, ALGERIA

DAY 1

9:00 **Welcome Address**

09:15-10:00 CDER-CONDOR Project presentation and introduction of participants

10:00-11:00 CTCN- ECN Response plan and proposed assistance
P.F. van den Oosterkamp, M.Spath (ECN)

11:00-11:15 **Coffee break**

11:15-13:00 **Session 1: Solar PV Technology**
• Basic equipment technical evolution
• Solar PV distributed energy integration to the grid
P.F. van den Oosterkamp, M.Spath (ECN)

13:00-14:00 **Lunch**

14:00-15:00 **Session 2: Design aspects**
• Off-grid PV systems
• Site assessment and module orientation
• Desert applications for PV
• PV as component in the energy system – LT modelling
P.F. van den Oosterkamp, M.Spath (ECN)

15:00-16:00 **Session 3: Sizing aspects and full assistance plan**
• Preliminary energy Production assessment and project sizing
• Preliminary voltage levels and equipment needed
P.F. van den Oosterkamp, M.Spath (ECN)

16:00-16:15 **Coffee break**

16:15-17:00 **General debate, Wrap-up of Day 1 & outlook of Day 2**

DAY 2

09:00-11:00 **Session 4: Local characteristics integration**

- Local production of PV modules: Best practices & Certification
- System integration best practices

P.F. van den Oosterkamp, M.Spath (ECN)

11:00-11:15 **Coffee break**

11:15-12:30 **Session 5: Long term R&D issues discussion**

12:30-14:00 **Lunch**

14:00-14:30 **Required project team for execution of full assistance plan discussion**

14:30-15:00 **Project regulatory & institutional issues discussion**

15:00-16:00 **General debate & outlook of the coming workshop (October 2016)**

16:00-16:15 **Coffee break & closure of inception workshop**