THE TUNISIAN SOLAR PLAN

11th December 2010
Summary

I. The Tunisia Solar Plan

I.1 Renewable Energies

I.2. Energy conservation

II. Tunisia–Japan Cooperation
The Tunisian Solar Plan is in line with similar international projects, in particular, the Mediterranean Solar Plan. It reflects Tunisia’s ambition to become an international hub in the field of industrial and energy production and exportation in the Solar Energy.
TUNISIAN SOLAR PLAN

2 OBJECTIVES

2 PHASES

(1\textsuperscript{ST} Phase)

2016:

Energy saving

24%

Share of Renewable Energy in the total capacity of the Electric Power

16%

(2\textsuperscript{nd} Phase)

2030:

40%

40%
For the period 2010-2016, the Tunisian Solar Plan is including 40 additional projects covering:

- Solar energy
- Wind energy
- Energy efficiency
- The manufacture of photovoltaic panels...

- A concrete approach along the period 2009-2016.
- Investments of 2300 M€ (70% for the private sector)
I.1 Development of Renewable Energies
Objectives of the Tunisian Solar Plan

RENEWABLE POWERS INSTALLED

% of the power of the total electricity production installed

- 2010: 144 MW (4%)
- 2016: 1000 MW (16%)
- 2030: 4700 MW (40%)
Objectives of the Tunisian Solar Plan

Breakdown by type of renewable energy:

- Wind
- Solar
- Others

MW

- 2010: Wind 54, Solar 2, Others 88
- 2016: Wind 505, Solar 253, Others 242
- 2030: Wind 2700, Solar 1700, Others 300

>looking for growth?
I.2. Energy Conservation
Our goals is based on encouraging achievements since 1990.
Energy conservation 2007-2010-2016

2007
0.7 Mtoe
8% of energy demand

2010
1.3 Mtoe
14% of energy demand

2016
3 Mtoe
24% of energy demand

during 4 years

the quantity of energy saved was doubled
II. Tunisia–Japan Cooperation
An example of fruitful cooperation

Project 1: Photovoltaïc solar for rural electrification and water supply.

Project 2: Technopark of Bordj Cedria.

Project 3: Project of a CSP in El Borma.
Components of the Project:

- Rural electrification for 500 dispersed households by Photovoltaïc Systems;
- Equipment of 63 wells by Photovoltaïc pumping and/or water desalination systems in the south.
Bordj Cedria technopark

Production
120 Ha of Technoparks and support zones.

Eccellence Center
- EMITEC

Scientific Research
- Renewable Energies
- Water and Environment
- Biotechnology
- Materials Science
- 450 researchers
- 12 patents

Training
- 2 institutes et 1 school for engineers

www.ecopark.rnrt.tn
Components of the Project:

Phase 1:

• A combined cycle plant of 40 MW;
• A solar thermal plant of 5 MW integrated with the combined cycle power plant in Cooperation With NEDO;

Phase 2:

• Construction of a 25 MW CSP plant integrated to a combined plant of 150 MW in the south.
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