**CLEAN TECHNOLOGY FUND (CTF)**

AfDB-CTF Portfolio

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**MOROCCO**

**ONE WIND ENERGY PROGRAM**
CTF $125 M, AfDB $512 M

**Purpose:** To contribute to energy supply security through the diversification of energy sources, reduction in greenhouse gas emissions, and the harmonization of rural and urban accessibility.

**Key results:**
- 1,022,064 tons CO₂ avoided between 2012 and 2020.
- 2,449 GWh of clean energy produced and delivered through the national grid since 2012.
- More than 3,000 green jobs created.

**SOUTH AFRICA**

**SUSTAINABLE ENERGY ACCELERATION PROGRAM:**
XINA SOLAR ONE PROJECT

**CTF $41.5 M, AfDB $100 M**

**Purpose:** To add new, reliable, dispatchable solar energy generation capacity, thus closing the energy supply gap, reducing dependence on coal, saving households money, generating local employment, and building a domestic solar power industry.

**Key results:**
- 1,002,864 tons CO₂ avoided since 2017.
- 411 GWh of clean energy produced each year.
- More than 1,200 green jobs created.
- 100 MW of annual production capacity.

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**SIDE PROJECTS**

**MOROCCO**

**NORTHEN CONCENTRATED SOLAR POWER PROJECT**
CTF $100 M, AfDB $240 M

**Purpose:** To initiate the development of Concentrated Solar Power (CSP) technology by carrying out Phase I of the Ouarzazate Power Station (125 to 160 MW)

**CTF $25 M, AfDB $46 M**

**Purpose:** To increase innovative solar power generation in Morocco

**AfDB Approval:**
- 6/17
- 6/11
- 5/12
- 5/14
- 5/18

**FACILITY FOR ENERGY INCLUSION - ON-GRAIN FUND**

**CTF $20 M, AfDB $66.4 M**

**Purpose:** To facilitate the scale-up of investments that increase access to energy through renewable technologies.

**Key results:**
- 44 MW installed capacity, more than 2,300 green jobs,
- 70,750 tons CO₂ eq avoided since 2021

**AFRICA RENEWABLE ENERGY FUND II**

**CTF $10 M, SEFA $15 M**

**Purpose:** To produce a renewable power station complex targeting an aggregate amount of investors’ commitments of $500 million, with a first close of $100-200 million. Investments in small- and medium-sized renewable energy technologies, including solar, PV, wind, geothermal, biomass and mini-hydro projects, will be announced.

**AfDB Approval:**
- 12/14
- 10/21
- 11/15
- 10/21
- 4/14

**AFRICA RENEWABLE ENERGY FUND I**

**CTF $20 M, AfDB $29.5 M**

**Purpose:** To increase the efficiency and reliability of electricity supply through pumped storage energy storage facilities.

**AfDB Approval:**
- 8/15
- 2016

**FACILITY FOR ENERGY INCLUSION - KwaZulu-Natal**

**CTF $20 M, AfDB $48.75 M**

**Purpose:** To facilitate the scale-up of investments that increase access to energy through renewable technologies.

**Key results:**
- 928,000 annual GHG emission reduction.
- Approximately 95,100 tons CO₂ eq avoided since 2021

**MOROCCO**

**MIDLCI CONCENTRATED SOLAR POWER PROJECT**
CTF $25 M, AfDB $240 M

**Purpose:** To increase innovative solar power generation in Morocco through an innovative hybrid CSP and Solar Photovoltaic (PV) solution.

**Key results:**
- 1,2 million tons annual GHG emissions reduced.
- More than 2,300 green jobs created.
- 411 GWh of clean energy produced each year.
- More than 1,200 green jobs created.
- 100 MW of annual production capacity.

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**SOUTH AFRICA**

**DSPII: CONCESSIONAL FINANCE PROGRAM FOR GEOTHERMAL GENERATION:**

**CTF $20 M, AfDB $29.5 M**

**Purpose:** To support socio-economic development in Kenya by commissioning installed capacity, diversifying the country’s energy mix with geothermal power, and fostering private sector development.

**Key results:**
- Increased installed geothermal capacity by 35 MW, increase average annual energy production by 231 GWh per year, approximately 95,100 tons CO₂ eq in GHG emissions savings per year, and create of over 300 green jobs.

**NIGERIA**

**LINE OF CREDIT FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY PROJECT**

**CTF $1.25 M, AfDB $49.75 M**

**Purpose:** To support a local bank to finance on-lending to small and medium enterprises for renewable energy/energy efficiency projects in Nigeria.

**Key results:**
- 40,359 tons CO₂ emission mitigated and 1 loan extended to a small to medium enterprise and at all other funds unfortunately canceled due to a currency fluctuation problem.

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**PROJECT PREPARATION GRANTS:**

- **Egypt:** 200 MW Gf of Suzel Wind Farm
- **Egypt:** U.S. $20 M for Egypt: Preparation Grant For Kom Ombo Concentrated Solar Power Project
- **Kenya:** 4.147 MW
- **Nigeria:** 8.824 GWh

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**CIF funding:**

- **$5.44 M**
- **$646 M**

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**CTF RESULTS**

<table>
<thead>
<tr>
<th>Project</th>
<th>Achieved</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>204 MW</td>
<td>4.417 MW</td>
<td>1,992 GWh</td>
</tr>
</tbody>
</table>

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**CTF PILOT COUNTRIES**

- **Egypt**
- **Kenya**
- **Nigeria**
- **South Africa**