

Brief Description

The project aims to support the adoption of solar PV technology for water pumping for irrigation in agriculture in Sudan, particularly in the North State. Adoption of renewable energies has been identified as a priority in Sudan, as is reduction of dependence on fossil fuels which are imported. The application of solar PV to pumping has been on a relatively limited scale globally, but is seeing increased commercial interest in the past years. Solar PV technology in general is not widespread in Sudan.

The project includes four components: the development of pilot projects as a demonstration of the viability of the technology and an accompanying financing mechanism for continued finance of projects; development of standards and guidelines to promote quality and sustainability of water pumping; development of a NAMA to support solar water pumping; and developing a supporting environment to encourage scaling up and further replication.

The project aims to help Sudan and Sudanese farmers reduce their reliance on fossil fuels, reduce their cost of production (via decreased diesel expenditures), increase the sustainability of water use, and increase their income. Given that agriculture is a main component of the economy in Sudan, the project will help increase Sudan's energy security and decouple its GDP from fluctuations in fossil fuel prices and availability. The project has been designed to play a catalytic role in the transformational scaling up of solar power for productive use in Sudan's agricultural sector.

The project implementing partner is the Ministry of Water Resources and Electricity. The project is expected to last 60 months.

Programme Period:	60 months
Atlas Award ID:	00087168
Project ID:	00094271
PIMS #	5324
Start date:	January 2016
End Date	January 2021
Management Arrangements	NIM
PAC Meeting Date	TBD

Total resources required	US\$ 24,515,753
Total allocated resources:	
o GEF	US\$ 4,365,753
o Banks	US\$ 14,000,000
o MWRE	US\$ 1,500,000
o MoFNE	US\$ 3,000,000
o HCENR	US\$ 500,000
o MoP	US\$ 200,000
o NERC	US\$ 250,000
o MOAARI	US\$ 150,000
o UNDP	US\$ 550,000

Agreed by (Government): Mr. Eltahir Suliman Aidam Taris – Undersecretary – The Ministry of International Cooperation

28/February/2016

Agreed by (Executing Entity/Implementing Partner): Mr. Musa Omar Abu Elgasim - Undersecretary - The Ministry of Water Resources, Irrigation and Electricity

28/February/2016

Agreed by (UNDP): Ms. Marta Ruedas, UNDP Resident Representative

28/February/2016