

13. Using Solar and Wind Energy to Extract Groundwater in the Pastoral Wells in the Western Region of the Jafara Plain

Project description and objectives

This project is to install pumps on a number of 15 pastoral wells in Sahel Al-Jafara in northwestern Libya, and they are operated by solar energy or wind energy for the purpose of watering animals and establishing forest areas around the wells that are among its priorities to establish natural reserves for different animals that are distinguished in the region in addition to developing the area pastorally. The **project objectives** are:

- To contribute **to the creation of pastoral areas and the provision of water for watering animals and the establishment of natural reserves** for several types of wild animals that spread on the Libyan-Tunisian borders
- To contribute to **increasing the vegetation cover in the region gradually and resisting climate changes and desertification.**

Location on Map



Project status

The project is in **Project Definition** stage (S1)

Financial needs

Project Cost Estimate : USD 0.4 Million (approximately)

Actual costs will be determined by the Feasibility Study results

Key parties



Technical specification of the project

- ▶ Nature reserves provide employment opportunities for studies and research
- ▶ Providing job opportunities through natural parks
- ▶ Increasing the numbers of livestock and providing meat and leather to establish wool mills and tanning factories.

Market size

The project will benefit about 250,000 residents in the community.

Link: <https://pp2.au-pida.org/approved-project/entry/f5ql4/>