

مشروع دنقلا لتوليد الكهرباء من الرياح

المصدر: كتيب (السودان الجديد) – وزارة اتعاون الدولي والإستثمار- 2021

Project Name	Dongola Wind Energy	Cost (USD)	125MUSD	Type*	Wind Energy	Target Start Date	2021	Target End Date	2022
Project Description	Installation of 100MW turbines of wind Energy as phase 1 up to 700MW in later 3 phases in Dongola town in North Sudan to produce electrical energy and evacuate it to the national grid.								
Impact	<ul style="list-style-type: none"> ➤ Contributes to the gap bridging in electrical energy. ➤ Complements solar generation and maximizes overall renewable energy share. ➤ Saves 72,500 ton/year of fuel. ➤ Reduces GHG by 125,552.7 tonCO2/year. ➤ Reduces overall cost of energy unit. ➤ Increases electrification rate (about 40% now). ➤ Creates enabling environment for agricultural investment and agrarian transformation. ➤ Modernizes network industries to promote competitiveness, inclusive growth and to boost economic transformation. ➤ Promotes growth of small, micro and medium sized enterprises (SMES). ➤ Boosts job creation potential. 				Unique Features	<ul style="list-style-type: none"> ➤ High wind potential energy in the area. ➤ Close proximity to grid connection. ➤ Wide flat areas of land. ➤ Pilot project of 1MW wind turbine in the location is already under construction. ➤ Resource assessment, environmental and social impact studies are ready. FS almost ready. ➤ Foreseen agricultural transfer industries nearby. ➤ Project land officially allocated. ➤ Right of way granted to connection to grid. 			
Cost Impact	Fuel saving of 43.5MUSD/year				Sponsor(s)	Government of Sudan			