

مشروع طوكر لتوليد الكهرباء من الرياح

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

Project Name	Toker Wind Farm	Cost (USD)	225MUSD	Type*	Wind Energy	Target Start Date	2021	Target End Date	2023
Project Description	Installation of 180MW turbines of wind energy in Toker town in eastern of Sudan near the city of Port Sudan to produce about 643.3GWh/y from wind farm with a capacity factor about 40%.								
Impact	<ul style="list-style-type: none"> ➤ Complements solar generation and maximizes overall renewable energy share. ➤ Saves 130,500 ton/year of fuel. ➤ Reduces GHG by 225,994.86 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"> ➤ About 160km from the main port of Sudan. ➤ High wind potential energy in the area. ➤ Wide flat areas of land. ➤ Resource assessment, environmental and social impact studies are ready. FS almost ready. ➤ Project land officially allocated. ➤ Right of way granted to connection to grid. 			
Cost Impact	Fuel saving of 78.3MUSD/year				Sponsor(s)	Government of Sudan			