

مشروع نيالا لتوليد الكهرباء من الرياح

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

Project Name	Nyala Wind Farm	Cost (USD)	25MUSD	Type*	Wind Energy	Target Start Date	2021	Target End Date	2022
Project Description	Installation of 20 MW turbines of wind energy in the isolated grid of Nyala city in Western Sudan to produce about 64,006MWh/yr from wind energy farm to reduce fuel consumption.								
Impact	<ul style="list-style-type: none"> ➤ Complements solar generation and maximizes overall renewable energy share. ➤ Saves 14,500 ton/year of fuel. ➤ Reduces GHG by 25,110.54 tonCO2/year. ➤ Socioeconomic status improvement in Darfur state. ➤ 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. ➤ Wide flat areas of land. ➤ Resource assessment, environmental and social impact studies are ready. ➤ Industrial centre project nearby Nyala city waiting for energy and finance. ➤ Huge agricultural and industrial resources in West Darfur state and surrounding states. ➤ Project land officially allocated. 			
Cost Impact	Fuel saving of 8.7MUSD/year			Sponsor(s)	Government of Sudan				