

Project Name	Roseires power plant uprating	Cost (EUR)	177MEUR	Type*	Hydro- electric	Target Start Date	2021	Target End Date	2027
Project Description	Replacement of major turbine parts of the existing 7x40MW units, runner hub, and generator at Roseires dam. Will feasibly increase plant installed capacity by 162 MW (+57.9%) {Uprating the units (1-4) from (40 to 58 MW) and units (5-7) from (40 to 70 MW)}.								
Impact	<ul style="list-style-type: none"> ➤ Contributes to the gap bridging in electrical energy. ➤ Harnesses more hydro-electric wasted energy. ➤ Enhances stability of the national grid. ➤ Saves 177,390.00 ton/year of fuel. ➤ 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"> ➤ Modification to existing clean energy power station. ➤ Feasibility study is ready. ➤ Tender Documents under preparation (99% completed). ➤ Ethiopian Renaissance dam will maintain sustainable inflow upstream. 		
Cost Impact	Fuel saving of 88.695MUSD/year				Sponsor(s)		Government of Sudan		