

TANZANIA ELECTRIC SUPPLY COMPANY LIMITED



TANESCO MAJOR POWER INVESTMENT PROJECTS

November, 2021

S/N	ITEM	REMARKS
01	PROJECT NAME	SINGIDA WIND POWER PROJECT
	PROJECT CODE	PT 3162
	IMPLEMENTING AUTHORITY	Geo Wind Power Tanzania Ltd (Geo Wind)
	LOCATION	Within Kisasida, Mughamo and Unyankhanya Villages in Singida Rural District, 12km East of Singida Municipality – Singida Region, Central Tanzania
	SHORT DESCRIPTION	<p>Project is being implemented by Geo Wind Power Tanzania Ltd, a Joint Venture Company incorporated by National Development Corporation 60%, Power Pool East Africa Ltd (PPEAL) 20% and 20% which were offloaded by TANESCO requires strategic investor to partner with Geowind. Phase I project development will involve commissioning of a 50MW Wind Farm consisting of wind turbines, cabling works installed for collection of power and transmission to the nearby 220kV customer substation located at the wind farm. The HV customer Substation will step up the voltage from 33 kV to 220 kV and finally transmission to Grid substation located at Singida, 12km away. Reactive Compensators will be installed to control the reactive power.</p> <ul style="list-style-type: none"> ✓ The wind farm will also be provided with paved access roads with total length of 17km and a waste disposal area. A green belt will be maintained within the wind farm to protect the environment.
PROJECT BENEFITS	<ul style="list-style-type: none"> ✓ Increase power consumption per capita in the country ✓ Project will improve Tanzania’s current power generation mix by utilizing natural wind resources for sustainability ✓ It will offer environmentally sustainable clean energy project for the country to attract Carbon Credit; ✓ Significant reduction of cost will be realized by replacing imported fuel required to run diesel/HFO engines in isolated areas; ✓ Job creation to indigenous Tanzanians, small business entrepreneurship and increased Government revenue through various taxes; ✓ The project will bring new skills and expertise in the wind power technology, first ever in Tanzania. 	

PROJECT COST ESTIMATES	US\$ 136 million
PROJECT STATUS	Feasibility Study completed including the updates of the study. Secured permits and licenses for power generation including PPA for 50MW. Currently, the Project Proprietor is looking for finance to implement the project.
DESCRIPTION OF PARTNERSHIP REQUIRED:	Public Private Partnership (PPP)
CONTRIBUTION TO INCOME GENERATION AND/OR POVERTY ERADICATION	Through employment creation and government revenue.
DESCRIPTION OF THE PROJECT IN RELATION TO POWER SECTOR EXPANSION PLAN	Project was included in Power System Master Plan since (2012) to generate 50MW by 2014/15 and also included in the Big Result Now (BRN) Initiative. The project has also been included in the current PSMP Update 2020.
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