



BOQ for the rehabilitation of one water yard and equipped with a solar power system in Rufaa- Al Dawajin

Date of BoQ 23-Nov-25

HA - Sudan Al Jazeera State office

#	Items	Unit	Quantity	Unit Cost (SDG)	Total Cost SDG
supply and install Solar power system					
1	Supply and installation of Solar Panel equivalent to Jinko 550 Watt ,Power output (W)590 W Cell Type: mono-crystalline, Operating PV temperature ranges between -10 °C & + 85 °C., Module Efficiency shall be at least 19%. The PV module frame should be made from Anodized Aluminum. The Photovoltaic modules should be manufactured not before 2025. The warranty for module defects after installation should be at least 20 years. The awarded Proposer shall provide a manufacturer's power guarantee for all PV modules that will be installed with their serial numbers, which guarantees that the loss of the output is not more than 10% during the first 10 years and up to	PCS	4		
2	Submersible Pump with long Cable 7.5 , 380 V , H= 70- 90 m , Q=30 m³ ,Ø = 3"equipped with all necessary junctions.	PCS	1		
3	Provide and installation of Change Over Switch 100 Amp, Germany or India established	box	1		
4	Provide and installation of control panel with Contactor ,overload 20 Amp , Circuit Breaker three phase AC 63 Amp				
5	Provide and installation of Protection box with suction DC fan with Fuse 1000 V, 100 Amp, size 40 CM X 60 CM	box	1		
6	Provide and installation of Sing Board 1 with Human Appeal and UNICEF and Uk Logo 1 M X 1.5 M and legs 1 m.	Lum sum	1		
Control room					
7	Supply materials (½inch size gravel, clean sand, welding rod, and regrated Zinc 0.35 mm) and carry out the repair of existing of control room 4m X 3 m X 3 m length, width and height respectively, and construct room platform 3m width*4m length with 0.07m thickness and ensure all engineering specification as per WSC.	room	1		
8	hire a winch truck for borehole dismantling and installation, and carry out work at the borehole accordingly, including the installation process of the new submersible pump and other fittings.	truck	1		
9	Supply heavy-duty pipe, Heavy Duty 2 MM x 100 Cm for borehole protection, and supply construction materials and fix the heavy pipe with concrete accordingly, and carry out the control room platform for the area 3 m width*4 m long*0.05 m thickness	job	1		

	Fencing				
10	cleaning inside the solar system from the grass and carry out the repair of existing fencing (welding, fix the foundation)	job	1		
Total in Word SDG					

Company/NGO/CBO Name:

Name of Director:

Signature and stamp

Date: