

Compliance sheet for BOQ (XX)

#	Item #	Description	Required Specifications	Offered Specifications
1	Solar Panel	Manufacturer Name:	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Type:	Class (A) modules, mono-crystalline type, positive power, N-type, Topcon, HJT, Glass-Glass, Bifacial	
		Rated power :	570 W - 630 W	
		Open-circuit voltage Voc:	45 V - 53 V	
		Rated voltage Vmpp:	35 V - 45 V	
		Short-circuit current Isc:	13 A - 18.5 A	
		Rated current Imp:	12 A - 17.5 A	
		Efficiency at STC up to:	At least 21.8%	
		Temperature Coefficient of Power:	-0.30%/°C	
		Junction Box:	At least IP67	
		Operating temperature:	-40 to 85°C	
		Certification of origin:	Yes/Required	
		Submit Manufacturer certification and test reports:	Yes/Required	

		Submit Detail catalogue:	Yes/Required	
2	Panels Steel Structure	Materials Used:	Galvanized hollow sections (41x41mm)	
		Steel Thickness:	Minimum 2mm	
		Precision assembly:	The mounting structure shall be all fitted (no welding).	
		Structural Integrity:	Ensuring a Secure Connection with Appropriate Bolts and Nuts for Mounting PV Modules.	
		Standards:	ASTM A123, ASTM A153, ASTM A385	
		Load Capacity:	Wind Load 120 km/hr	
3	Pump Inverter	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Type:	Solar pump inverter (Hybrid)	
		Capacity:	At least 7.5 KW	
		Output of inverter:	3-Phase 400Vac	
		DC input Voltage Range:	300-900Vdc	
		Operation temperature:	-10â„ƒ½ž+50â„ƒ	
		Error alarm:	Over-voltage, under-voltage, over-current, short circuit, phase failure, overload, overheat, overvoltage stall, current limit, or Data protection compromised, current fault health	
		Warranty:	3 year	

4	Surface water Pump	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Capacity	At least 7.5 HP	
		Head (M)	According to selected pump	
		Flow rate (M3/h)	According to selected pump	
		Inlet dimeter	4 inches	
		Outlet dimeter	4 inches	
		Voltage	3-Phase 400 Vac	
		Frequency Hz	50 Hz	
5	Tank submersible water pump	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Capacity	At least 7.5 HP	
		Head (M)	According to selected pump	
		Flow rate (M3/h)	According to selected pump	
		Inlet dimeter	4 inches	
		Outlet dimeter	4 inches	
		Voltage	3-Phase 400 Vac	
		Frequency Hz	50 Hz	
6	submersible Borehole water pump	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Capacity	At least 7.5 HP	
		Head (M)	According to selected pump	
		Flow rate (M3/h)	According to selected pump	
		Outlet dimeter	3 or 4 inches	

	pump	Voltage	3-Phase 400 Vac	
		Frequency Hz	50 Hz	
7	Surface Pump	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Capacity	At least 15 HP	
		Head (M)	According to selected pump	
		Flow rate (M3/h)	According to selected pump	
		Inlet dimeter	4 inches	
		Outlet dimeter	4 inches	
		Voltage	3-Phase 400 Vac	
		Frequency Hz	50 Hz	
8	Tank submersible water pump	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Capacity	At least 15 HP	
		Head (M)	According to selected pump	
		Flow rate (M3/h)	According to selected pump	
		Inlet dimeter	4 inches	
		Outlet dimeter	4 inches	
		Voltage	3-Phase 400 Vac	
		Frequency Hz	50 Hz	
	submersible	Manufacturer Name (Brand):	The submitted brand should be approved by the supervisory committee before starting supplying process	
		Capacity	At least 15 HP	

9	Borehole water pump	Head (M)	According to selected pump	
		Flow rate (M3/h)	According to selected pump	
		Outlet diameter	3 or 4 inches	
		Voltage	3-Phase 400 Vac	
		Frequency Hz	50 Hz	