

Bidder's Main Basic Specifications

All bidders are to provide their technical specifications in a summarised format. A template available to bidders to complete is provided below.

Note: If the parameter is 'not applicable', write 'N/A'.

Henderson Solar Farm (Guadalcanal)

Parameter	Value
DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Solar PV module model	
Solar PV module manufacturer	
Solar PV module rating	
Total quantity of modules	
Modules per string	
Strings per inverter	
Number of strings	
Solar module framing manufacturer	
Solar module framing model	
Solar module foundation system	
Solar module framing wind rating	
Inverter model	
Inverter manufacturer	
Quantity of inverters	
Transformer rating (kVA)	
Transformer winding	
AC Combiner box	

Honiara Substation BESS (Guadalcanal)

Parameter	Value
DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Battery manufacturer	
Battery model	
Battery module rated energy capacity	
Battery modules in series per rack	
Battery modules in parallel per rack	
Total quantity of battery modules in system	
Power conversion equipment manufacturer	
Power conversion equipment model	
Transformer rating (kVA)	
Transformer winding	
BESS Enclosure Manufacturer	
BESS Enclosure foundation system	

Stage of Life	Parameter	Value
Beginning of Life (BoL)	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	
Operational Year 15	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	

Subsystem	Capability/Parameter	Value
Battery Energy Storage System (BESS)	Grid forming	YES/NO
	Ability to operate without synchronous generation	YES/NO
Energy Management System (EMS)	EMS manufacturer	
	EMS model	

Parameter	Value
Medium voltage switchgear manufacturer	
Medium voltage switchgear model	

East Honiara Substation BESS (Guadalcanal)

Parameter	Value
DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Battery manufacturer	
Battery model	
Battery module rated energy capacity	
Battery modules in series per rack	
Battery modules in parallel per rack	
Total quantity of battery modules in system	
Power conversion equipment manufacturer	
Power conversion equipment model	
Transformer rating (kVA)	
Transformer winding	
BESS Enclosure Manufacturer	
BESS Enclosure foundation system	

Stage of Life	Parameter	Value
Beginning of Life (BoL)	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	
Operational Year 15	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	

Subsystem	Capability/Parameter	Value
Battery Energy Storage System (BESS)	Grid forming	YES/NO
	Ability to operate without synchronous generation	YES/NO
Energy Management System (EMS)	EMS manufacturer	
	EMS model	

Parameter	Value
Medium voltage switchgear manufacturer	
Medium voltage switchgear model	

Ambu Solar Hybrid (Malaita- Auki)

Parameter	Value
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DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Solar PV module model	
Solar PV module manufacturer	
Solar PV module rating	
Total quantity of modules	
Modules per string	
Strings per inverter	
Number of strings	
Solar module framing manufacturer	
Solar module framing model	
Solar module foundation system	
Solar module framing wind rating	
Inverter model	
Inverter manufacturer	
Quantity of inverters	
Transformer rating (kVA)	
Transformer winding	
AC Combiner box	
LV Switchboard	

BESS

Parameter	Value
DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Battery manufacturer	
Battery model	
Battery module rated energy capacity	
Battery modules in series per rack	
Battery modules in parallel per rack	
Total quantity of battery modules in system	
Power conversion equipment manufacturer	
Power conversion equipment model	
Transformer rating (kVA)	
Transformer winding	
BESS Enclosure Manufacturer	
BESS Enclosure foundation system	

Stage of Life	Parameter	Value
Beginning of Life (BoL)	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	

Operational Year 15	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	

Subsystem	Capability/Parameter	Value
Battery Energy Storage System (BESS)	Grid forming	YES/NO
	Ability to operate without synchronous generation	YES/NO
Energy Management System (EMS)	EMS manufacturer	
	EMS model	

Parameter	Value
Medium voltage switchgear manufacturer	
Medium voltage switchgear model	

Solar School Systems

Parameter	Value
DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Solar PV module model	
Solar PV module manufacturer	
Solar PV module rating	
Total quantity of modules	
Modules per string	
Strings per inverter	
Number of strings	
Solar module framing manufacturer	
Solar module framing model	
Solar module framing wind rating	
Inverter model	
Inverter manufacturer	
Quantity of inverters	
Transformer rating (kVA)	
Transformer winding	

BESS

Parameter	Value
DC nameplate power rating (kW)	
AC nameplate power rating (kW or kVA)	
Battery manufacturer	
Battery model	
Battery module rated energy capacity	
Battery modules in series per rack	
Battery modules in parallel per rack	
Total quantity of battery modules in system	
Power conversion equipment manufacturer	
Power conversion equipment model	
Transformer rating (kVA)	
Transformer winding	
BESS Enclosure Manufacturer	
BESS Enclosure foundation system	

Stage of Life	Parameter	Value
Beginning of Life (BoL)	Battery module rated energy capacity	
	Battery rack rated energy capacity	
	Battery system total rated energy capacity	
Operational Year 15	Battery module rated energy capacity	
	Battery rack rated energy capacity	

	Battery system total rated energy capacity	
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Subsystem	Capability/Parameter	Value
Battery Energy Storage System (BESS)	Grid forming	YES/NO
	Ability to operate without synchronous generation	YES/NO
Energy Management System (EMS)	EMS manufacturer	
	EMS model	

Parameter	Value
Medium voltage switchgear manufacturer	
Medium voltage switchgear model	