



## UNIDADE DE GESTÃO DE PROJECTOS ESPECIAIS

### CABO VERDE RENEWABLE ENERGY AND IMPROVED UTILITY PERFORMANCE PROJECT

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## CLARIFICATION # 5

**Country:** Cabo Verde

**Name of Project:** Renewable Energy and Improved Utility Performance Project

**Contract Title:** Request for Bidding - Procurement of Plant, Design, Supply, and Installation for Five (5) Energy Storage Systems in FOGO Island, SANTO ANTÃO Island, SÃO NICOLAU Island, MAIO Island and BRAVA Island Cabo Verde

**Loan No** IBRD-92980

**RFB Reference No.:** 016/REIUP/UGPE\_2

**QUESTION 27:** *Usable energy at end of life for Brava island*

*Below table for Brava Island is both listed in the document 'Employer\_Requirements\_V2.0\_Appendix\_2-Battery Energy Storage System' Page 4 and 'Employer\_Requirements\_V2.0\_Scope of work' Page 24.*

## 2 RATINGS AND FUNCTIONAL REQUIREMENTS

### 2.1 GENERAL

The BESS shall have the guaranteed ratings specified in Table 1 as a minimum and throughout the entire BESS Calendar Life. These ratings are considered for the ESS as a whole, measured at the contractual metering point at the scope of work battery limit.

*Table 1 - BESS Major Guaranteed Equipment Ratings*

	Nominal Power (MW)	Max Reactive power (MVAR)	Useable energy at end of life (MWh)	Cycling requirements (number/ day)	Guaranteed capacity at beginning of life (MWh)	Round Trip Efficiency (%)	Latency (ms)	Availability (%)
Maio	0.5	0.5	0.657	0.6	1	90	<= 10 ms	97
Fogo	2.08	2.08	1.37	0.8	2.08			
Santo Antão	1.4	1.4	1.31	0.8	2			
São Nicolau	0.5	0.5	0.657	0.6	1			
Brava	1.1	1.1	6.6	1,5	6.6			



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*In the Table, the useable energy at end of life (MWh) and Guaranteed capacity at beginning of life is same for Brava island. It should not be the same.*

*For Brava Island, what is the correct MWh requirement for useable energy at end of life (MWh)?*

**ANSWER N°27:** : Please refer to the Answer 24 - Clarification # 3.

**QUESTION 28:** *We are interesting and ready to do the site visit by our engineer together with owner, and all cost by ourselves, to get more site details and ready for bidding.*

**QUESTION 28.a):** *Can owner team introduce the application procedure for site access permits?*

**ANSWER N°28.a):** Yes

**QUESTION 28.b):** *Who we should contact in Cabo Verde for site access?*

**ANSWER N°28.b):** To carry out site visits, Bidders must make a request to the UGPE, indicating the sites they intend to visit, the dates, times and names of the people carrying out the visits.

The UGPE will request authorizations from the entities responsible for the sites.

April 24, 2024