



Grand Bahama Power Company

EXPRESSION OF INTEREST (EOI)

EOI Number: GBPC-BESS-EOI-2026-001

**Design, Procurement, Installation and Commissioning
of Utility-Scale and Distributed Battery Energy Storage
Systems (BESS)**

ISSUE DATE:
19TH AUGUST, 2026

SUBMISSION DEADLINE:
4TH SEPTEMBER, 2026





1. INTRODUCTION

Grand Bahama Power Company Ltd. (GBPC) invites **Expressions of Interest (EOI) from experienced and qualified firms, consortiums, or system integrators** for the *design, engineering, procurement, manufacturing, delivery, installation, testing, commissioning, and warranty support* of a **Utility-Scale Battery Energy Storage System (BESS) in Grand Bahama, The Bahamas.**

The purpose of this EOI is to identify and prequalify capable vendors that possess the technical expertise, financial strength, safety record, and project execution experience necessary to successfully deliver a utility-scale BESS project.

Following evaluation of submissions, shortlisted respondents will be invited to participate in a formal Request for Proposal (RFP) process.

2. COMPANY INFORMATION

- a. **Country:** Bahamas
- b. **Service territory:** Grand Bahama Island and the surrounding Cays
- c. **Grand Bahama Island area:** 530 sqm
- d. **Vertically integrated electric utility**
- e. **Installed Generating Capacity:** 97.7 MW
- f. **Prime Mover:** Dual Fuel (HFO & DO) Internal Combustion Engines
- g. **IPP Capacity:** ~15 MW (Solar PV)
- h. **Customer Count:** ~20,000

3. PROJECT OVERVIEW

GBPC is pursuing the implementation of a **utility-scale Battery Energy Storage System** to support:

- a. Generation operating reserves
- b. Grid forming and following (Frequency regulation, voltage support, and ancillary services)
- c. Spinning reserve
- d. Load following
- e. Firm capacity requirements
- f. Reactive power support
- g. Black-start capability
- h. Synthetic inertia (specified time for island grid)
- i. Microgrid functionality
- j. Grid resiliency and reliability improvements



The system will be interconnected to GBPC's transmission and/or distribution system at 69 kV and 12.5 kV respectively at 60 Hz and will operate as a critical grid asset supporting renewable energy integration and system stability.

Indicative BESS sizing is the following:

Application	Interconnection Voltage	Max Site Capacity (MW)
Utility Scale	69 kV	5 – 10
Distributed	12.5 kV	.1 – 1

The final sizing and configuration will be provided during the RFP stage.

4. SCOPE OF WORK

GBPC Scope

- a. Site acquisition and regulatory permitting
- b. Environmental and Social Impact Assessment
- c. Site preparation
- d. Ground grid design
- e. Grid code specifications
- f. Connection impact assessment

Vendors Scope

The selected vendor shall be responsible for a **turnkey EPC project up to the medium voltage switchgear on the high side of the BESS coupling transformer** that includes, but is not limited to:

a. Engineering and Design

- i. Preliminary and detailed engineering
- ii. Civil, structural, electrical and control system design for the BESS and associated interconnection equipment
- iii. Load flow, protection coordination, short circuit, harmonic analysis, arch flash studies, ride-through, and studies on the BESS side of the point of common coupling (PCC)
- iv. Dynamic stability model of BESS system to support grid interconnection studies using DIgSILENT and PSSE

b. Procurement

- v. Battery energy storage system (specific technology)
- vi. Battery management system (BMS)
- vii. Power conversion system (PCS)
- viii. Plant controller/PPC
- ix. Energy management system (EMS)



- x. SCADA systems
- xi. Metering and Grid Code Monitor
- xii. Conductors and raceways
- xiii. Transformers
- xiv. Switchgear
- xv. Auxiliary systems (specific HVAC/Thermal Management)
- xvi. Site lighting and security
- xvii. Fire detection and suppression systems
- xviii. Communications infrastructure

c. Construction and Installation

- xix. Site construction activities
- xx. Equipment installation
- xxi. Testing and inspection
- xxii. Integration with GBPC systems

d. Commissioning

- xxiii. Site Acceptance Testing (SAT)
- xxiv. Performance testing
- xxv. Reliability & Availability testing

e. Training and Documentation

- xxvi. Operations & Maintenance training
- xxvii. Emergency response training
- xxviii. Delivery of all engineering documentation and as-built drawings
- xxix. O&M manuals

f. Warranty and Technical Support

- xxx. Maintenance program
- xxxi. Equipment warranties
- xxxii. Performance guarantees

5. INFORMATION SUBMISSION

Respondents shall provide a submission containing the following sections:

- a. Executive Summary** - Overview of company, qualifications, and interest in the project. Specify whether interested in utility scale projects or distributed projects and minimum capacity requirements.
- b. Corporate Profile** - Corporate and organizational information
- c. Technical Capability** - BESS technology offered, manufacturing partners, system integration capabilities, grid integration experience



d. Project Experience – summary of at least three projects inclusive of:

- i. Project name and location
- ii. Design basis (codes and standards referenced) and use case (not limited to peak shaving, frequency control, renewables firming, and demand-arbitrage)
- iii. Scope of supply (EPC, BOO, Procurement, Design only, etc.)
- iv. Power rating (MW)
- v. Beginning of Life energy rating (MWh)
- vi. Round trip efficiency
- vii. Key technology partners (modules, PCS, HVAC, transformer, switchgear)
- viii. Environmental, social, and system impact assessment
- ix. Performance test reports on extreme ride-through conditions.

e. Project References – references to support project experience

f. Safety and Quality Management System – Safety and environment policy, overview of quality assurance and control program, design standards (IEC, IEEE, UL, IFC, NFPA, etc.)

g. Compliance & Legal – Statement of compliance with our local content and data protection/cyber-security compliance statement.

Submissions shall be delivered electronically **on or before Friday, September 4th, 2026, to:**

Email: Bids@gb-power.com

Subject: EOI Response – Utility Scale Battery Energy Storage System Project



6. EVALUATION CRITERIA

EOI submissions may be evaluated using the following criteria:

Evaluation Category	Weight
Compliance with Submission Requirements	10%
Relevant Project Experience	50%
Technical Capability and Integration Experience	20%
Safety and Quality Management System	20%

Only respondents achieving an acceptable evaluation score may be shortlisted and invited to participate in the subsequent RFP process.

7. RESERVATION OF RIGHTS

GBPC reserves the right to amend the EOI process, request additional information from respondents, reject any or all submissions, Shortlist any number of respondents, cancel the EOI process at any stage, proceed to the RFP stage at its sole discretion.

Submission of an EOI does not constitute a commitment by GBPC to issue an RFP, award a contract, or reimburse any costs incurred by respondents.

8. CONFIDENTIALITY

All information provided by GBPC shall be treated as **confidential** and used solely for the purpose of preparing and submitting an EOI response.