

TENDER



Consulting Services for Study to Improve the Resilience of Distribution Substations

Belize Electricity Limited (BEL) is largely a transmission and distribution utility with 104,000 customer accounts, meeting a peak demand of approximately 102.7 MW (2020) through local Independent Power Producers (IPP), a Power Purchase Arrangement (PPA) with Comisión Federal de Electricidad (CFE) of Mexico and its own emergency backup generation. BEL also operates an off-grid power station with a diesel generation capacity of 2.4 MW that supplies the island of Caye Caulker. Currently, over 85% of the population in Belize has access to electricity from BEL.

BEL has allocated finances for a **“Study to Improve the Resilience of Distribution Substations Control Buildings”** countrywide. These finances are a part of the Company’s counterpart contribution under the Energy Resilience for Climate Adaptation Project (ERCAP) under Component 2 of the ERCAP portfolio, which focuses on “Demonstration Measures to Enhance Resilience of the Energy Sector”.

The objective of this Consultancy is to construct an engineering analysis of the structural integrity of BEL’s existing control buildings and how the effects of climate change such as increasing storm strengths can exacerbate its vulnerability. The Consultancy should provide general requirement of the substation control building to be used as a standard for the modelling of new control buildings. Additionally, the study should focus on the adequacy of the battery station with associated charger system and the possibility of an upgrade and relocation of the same to secure this equipment within areas not susceptible to flooding. The upgrade should consider any increase in the battery system capacity to ensure future viability of the battery system via sound engineering and analysis.

The Terms of Reference, which outline all the duties and responsibilities of the contract, and dates for submission are available on BEL’s website at www.bel.com.bz/Tenders.aspx

An email submission must be received at bidsubmittal@bel.com.bz no later than **3:00 p.m. on Wednesday, December 1, 2021**.

Proposals will be accepted by email only and should include the subject **BID 2021-264 – Consulting Services for Study to Improve the Resilience of Distribution Substation**.

For more information or queries, send email to bidboxrequest@bel.com.bz

Cost incurred for preparation of the tender document is the sole responsibility of the bidder. The lowest or any tender will not necessarily be accepted.