



Invitation for Bids

(Refer to Corrigendum 1 IFB dated 20 August 2019)

Date:	7 August 2019
Grant No. and Title:	49450-TON: Tonga Renewable Energy Project
Contract No. and Title:	TREP-03: Renewable-based Hybrid Systems and Mini-grids on Outer-Islands
Deadline for Submission of Bids:	1 October 2019, 14:00 hours (Tonga time)

1. The Government of Tonga has applied for financing from the Asian Development Bank (ADB), and Green Climate Fund (GCF) toward the cost of the **Tonga Renewable Energy Project**. Part of this financing will be used for payments under the contract named above. Procurement rules and procedures of ADB will govern the bidding process. Bidding is open to all Bidders without nationality restrictions.
2. The **Tonga Power Limited and Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications** (“the Employer”) invites sealed bids from eligible Bidders for the **design, construction, installation, and integration of Solar PV and battery power systems** (“the Facilities”) of the **outer islands of Tonga** in two (2) lots as shown below:
 - **LOT 1:** Solar PV system and a Battery Energy Storage System (BESS) to supplement the existing power supply on the islands of Eua and Vava’u. A 350 kWDC/300 kWAC ground mount solar PV array and 400 kW / 900 kWh BESS is required on ‘Eau, and a 300 kWDC/250 kWAC ground mount solar PV array and 900 kW / 450 kWh BESS is required on Vava’u. Both BESS must be able to operate in grid forming mode. Integration with the existing power systems is also required. On Vava’u, this requires connection to the existing spare circuit breaker on the power station main switchboard. On ‘Eua, this requires installation of a new containerized switchboard and reconnection of existing generation to the new switchboard.
 - **LOT 2:** Five (5) independent power systems to the islands of O’ua, Tungua, Kotu, and Mo’unga’one in the Ha’apai group and Niuafo’ou in the Niua’s group, one for each island, to create independent minigrids. Each power system shall consist of a village level solar PV array and battery energy storage system (BESS), and a distribution system and customer connections. There is no current centralized power supply on these islands. The power systems are required to provide power 24 hours per day, seven (7) days per week, meeting the estimated island demand, which averages between 9 kW and 51 kW.

Bids are being invited for individual lots or for a combination of lots.

3. **International Competitive Bidding (ICB)** will be conducted in accordance with ADB's [Single-Stage: One-Envelope](#) bidding procedure and is open to all Bidders without nationality restrictions.
4. Only eligible Bidders with the following key qualifications, summarized from the Bidding Document, should participate in the bidding:

Key Qualification Requirements	Lot 1 (TPL)	Lot 2 (MEIDECC)	Lot 1 and 2 (TPL & MEIDECC)
Minimum average annual turnover	US\$8.2M	US\$17.5M	US\$25.6M
Minimum financial resources	US\$1.1M	US\$2.2M	US\$3.2M
Participation in at least one (1) contract that has been successfully or substantially completed within the last five (5) years and that are similar to the proposed contract, where the value of the Bidder's participation exceeds	US\$4.1M	US\$8.8M	US\$12.8M

For the complete eligibility and qualification requirements, Bidders should refer to the Bidding Document.

5. To obtain further information and request a free electronic version of the Bidding Documents, Bidders should contact:

Attention: Tonga Power Limited, Procurement Unit
 Street Address: 1st floor, Corner of Tafua'ahau Rd
 City: Nuku'alofa
 ZIP Code: 0000
 Country: Tonga
 Telephone: +676 786 3229
 Electronic mail address: trep.committee@tongapower.to

6. To purchase a printed copy of the Bidding Documents should in English, eligible Bidders should:

- Write to the email address above requesting the Bidding Documents for Contract No. TREP-03 Renewable-based Hybrid Systems and Mini-grids on Outer-Islands under Tonga Renewable Energy Sector Project
- Pay a non-refundable fee of USD100 by cash or transfer through a bank account.

The Bank account of the Employer:

Bank: ANZ
 Bank Account Name: Tonga Power Limited
 Bank Account: 1681919
 Swift Code: ANZBTONN

7. A pre-bid meeting will be held at the TPL head office, on Tuesday, 20 August 2019 at 11:00 hours. This will be followed directly by a site visit to 'Eua and Vava'u (due to complex

logistics, the Employer will not arrange a site visit to the other islands, however, Bidders may wish to make such arrangements themselves). Non-Attendance will not be cause for disqualification.

8. Deliver your bid:

- to the address above
- **on or before the deadline: Tuesday, 1 October 2019, 14:00 hours (Tonga time)**
- Together with a Bid Security as described in the Bidding Document.

Electronic submission of bid is not permitted.

9. Bids will be opened immediately after the deadline for bid submission in the presence of the Bidders' representatives who choose to attend. Late bids will be rejected.