

**TOWN ELECTRIFICATION INVESTMENT PROGRAM**

<b>Date:</b> 1	<b>17 July 2017</b>
<b>Loan No. and Title:</b>	<b>Town Electrification Investment Program – Tranche 2</b>
<b>Contract No. and Title:</b>	<b>YTOD-ICBV1-01/17-TEIP2-W01: YTOD Surge Tank and Other Remedial Works</b>
<b>Deadline for Submission of Bids:</b>	<b>08 September 2017 at 14:00 hours (Port Moresby, PNG time)</b>

1. The Independent State of Papua New Guinea has received a loan from the Asian Development Bank (ADB) toward the cost of the Town Electrification Investment Program (TEIP) Tranche 2. Part of this loan will be used for payments under the contract named above. Bidding is open to Bidders from eligible source countries of the ADB.
2. The PNG Power Limited ("the Employer") invites sealed bids from eligible Bidders for the engineering, procurement, construction, installation and testing of a surge tank and other remedial works in the Yonki Toe of Dam Hydropower facility ("the Facilities").

The works will consist of the engineering, procurement, construction, installation and testing of a surge tank and other remedial works in Eastern Highlands Province, Papua New Guinea. The project has an installed capacity of 18.0MW with a design discharge of 48.8m<sup>3</sup>/s with two vertical shaft Francis turbines.

**The major work will consist of:**

- Construction of the steel surge tank and the associated works
  - Design and modifications of the generator cooling systems
  - Replacement of one damaged butterfly valve, and
  - Replacement / enforcement of 62 meters of damaged penstock to generate at its full rated capacity of 18.0 megawatts.
3. International Competitive Bidding (ICB) will be conducted in accordance with the ADB's Single Stage – One Envelope procedure and is open to all eligible Bidders as described in the Bidding Document.
  4. Only eligible Bidders with the following key qualifications should participate in this bidding:

**Bidders should have:**

- Participated in at least two (2) contracts that have been successfully or substantially completed within the last ten (10) years that are similar to the proposed contract, where the Bidder's participation exceeds US\$15 million and
  - i. Successful completion as the prime contractor of at least one (1) EPC/Design Build Construct of a hydropower project comprising a surge tank and civil, electrical and mechanical works of at least 10MW capacity and design discharge capacity of at least 20 m<sup>3</sup>/s within the last 15 years; or
  - ii. Successful completion as the prime contractor of at least one (1) EPC/Design Build Construct of new or refurbishment of a hydropower project comprising civil, electrical and mechanical works of at least 10 MW capacity and design discharge capacity of at least 20 m<sup>3</sup>/s within the last 15 years;
  - Successfully completed design and analysis of at least one (1) hydropower project with an installed capacity of 10MW [or larger] and design flow of 20 m<sup>3</sup>/s [or higher];
  - Electro-mechanical experience related to design, selection, testing and installation of cooling water systems and generator ventilation and cooling arrangements for a compact 10MW unit or larger;
  - Mechanical experience relevant to design, selection, installation and testing of cone valves for a rated flow of 62m<sup>3</sup>/s [or larger] with a diameter of 1.8m [or larger];
  - Relevant electrical experience related to cone and butterfly valves, cooling water systems and generator ventilation necessary for undertaking the work;
  - A minimum average annual turnover of at least US\$25 million calculated as a total certified payment received for contracts in progress or completed, within the last three (3) years;
  - Demonstrate sufficient financial resources to meet its current commitments, plus the requirement for the subject contract of US\$3.2 million.
5. To obtain further information and inspect the Bidding Documents, Bidders should contact:

**Mr. Francis Mamia**  
**PNG Power Ltd National Office**  
**Project Management Unit**  
**Corner Wards Road and Cordia Street, Hohola**  
**P. O. Box 1105, Boroko, NCD**  
**Papua New Guinea**

**Telephone: (+675) 324 3533**  
**Facsimile: (+675) 323 4974**  
**Email: fmamia@pngpower.com.pg**  
**Website: www.pngpower.com.pg**

6. To purchase a complete set of Bidding Documents in English, eligible Bidders should:
  - Write to the address above requesting the electronic copies of bidding documents in CD-ROM for YTODHP-ICBV1-01/2017 – W01: YTOD Surge Tank and Other Remedial Works.
  - Pay a non-refundable fee of K150 and USD 50 by cash, telegraphic transfer, bank deposit, or cashable cheque made payable to the following:

<b>Account Name:</b>	<b>TEIP Trust Account</b>
<b>Bank:</b>	<b>Bank South Pacific</b>
<b>Branch:</b>	<b>Boroko</b>
<b>Branch No:</b>	<b>008 943</b>
<b>Account No:</b>	<b>1003531124</b>
<b>Swift code:</b>	<b>BOSPPGP</b>

The complete set of Bidding Documents will be available from 17 July 2017 up to 08 September 2017 during office work hours.

The Bidding Documents will be sent by airmail and courier, if required by the Bidders and after paying the additional shipping cost of USD50. No liability will be accepted for loss or late delivery.

**7. Deliver your bids:**

- to the above address (para 5)
- on or before the deadline: 08 September 2017 at 14:00 hours (local time)
- together with a Bid Securing Declaration as described in the Bidding Document.

**Electronic submission of Bids is not allowed.**

Bids will be opened immediately after the deadline for bid submission in the presence of Bidders' Representatives who choose to attend.

8. Since the rehabilitation works will involve a highly specialized and technical component, interested Bidders are urged to attend both (i) pre-bid meeting to be held at PNG Power Ltd National Office in Port Moresby, PNG and a (ii) a site visit. The schedule of dates is stated in the Bidding Document.