

PROCUREMENT PLAN

A. General

1. Project Information:

| | |
|-----------------------------|-------------------------------|
| Country | Belize |
| Project Name | Sixth Power Project – Belize |
| Borrower | Belize Electricity Ltd. (BEL) |
| Project Implementing Agency | BEL |

2. Bank's Approval Date of the Procurement Plan:

3. Period covered by this Procurement Plan: July 2020 – July 2022

B. Goods and Works

1. **Prior Review Threshold:** Procurement Decisions subject to Prior Review by the Bank as stated in Appendix 2 to the Guidelines for Procurement.

| | Procurement Method | Prior Review Threshold | Comment |
|---|---|------------------------|--|
| 1 | Direct Contracting | >USD 30,000 | |
| 2 | Shopping | >USD 17,000 | Utilised for previous procurements, has been updated to BEL commercial practices below. |
| 3 | BEL Invitation to Bid (ITB)- Goods | >USD 250,000 | ITB is a competitive procurement method outlined in BEL's Procedures for the Processing of Purchases and Contracts – this method is a form of Limited International Bidding (LIB). |
| 5 | BEL Invitation to Bid (ITB) - Works | >USD 1 mn | ITB is outlined in BEL's Procedures for the Processing of Purchases and Contracts – this method is a form of Limited International Bidding (LIB). |
| 6 | International Competitive Bidding (ICB) for Works and Goods | >USD 475,000 | Specifications and Tender Documents for works and goods will be subject to Prior review. |
| 7 | International Competitive Bidding (ICB) for Goods | >USD 100,000 | Specifications and Tender Documents for goods will be subject to Prior review. |
| 8 | National Competitive Bidding (NCB) for Works. | >USD 100,000 | Specifications and Tender Documents for works will be subject to prior review. |

2. Prequalification: N/A.

3. Reference to (if any) Project Operational/Procurement Manual: CDB Guidelines for Procurement (2006) shall apply with the exception of contracts for distribution, transmission and substation materials (designated as 'Other Materials' in the Procurement Plan), where BEL's Procedures for the Processing of Purchases and Contracts (2018) shall apply.

4. Any Other Special Procurement Arrangements:

In respect of procurement of Distribution, Transmission, Sub-Transmission and Substation materials (designated as 'Other Materials' in the Procurement Plan) for the Project: (i) BEL shall be permitted to use established commercial procurement practices acceptable to CDB; and (ii) there shall be no restriction as to country of eligibility.

5. Procurement Packages with Methods and Time Schedule:

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|----------|---|---------------------------|--------------|-----|----------------|------------------|--|
| 1.0 | Placencia Primary Distribution Upgrade | | | | | | |
| 1.1 | Upgrade Section of Placencia North of Surfside Substation to 22kV | | | | | | |
| | 1.1.1 Equipment | 550 | DC | N/A | Prior | Oct-2017 | Existing Waiver for USA source. Equipment has been procured. |
| | 1.1.2 Other Materials | 100 | ICB | N/A | Post | Mar-2018 | Procurement completed. |
| | 1.1.3 Equipment & Material Transportation | 65 | NBF | N/A | N/A | N/A | Procured internally via Shopping. |
| | 1.1.4 Works (Equipment Installation, Electrical Installation, Line Construction) | 135 | NCB | N/A | Prior | Mar-2019 | Procurement completed. |
| 1.2 | Upgrade Section of Placencia South of Surfside Sub to Malacate Submarine Cable to 22kV | | | | | | |
| | 1.2.1 Equipment | 325 | DC | N/A | Prior | Oct-2017 | Existing Waiver for USA source. Equipment has been procured. |
| | 1.2.2 Other Materials | 130 | ICB | N/A | Prior | Mar-2018 | Procurement completed. |
| | 1.2.3. Equipment & Material Transportation | 47 | NBF | N/A | N/A | N/A | Procured internally via Shopping. |
| | 1.2.4 Works (Equipment Installation, Electrical Installation, Line Construction) | 90 | NCB | N/A | Post | Mar-2019 | Procurement completed. |
| 2.0 | Belize City Upgrade | | | | | | |
| 2.1 | Upgrade Section of BZE-06 Feeder to 22kV and connect to LDV-01 Feeder | | | | | | Completed outside of the loan. |
| | | | NBF | N/A | N/A | | |
| 2.2 | Upgrade Section of BZE-02 Feeder to 22kV and connect to LDV-01 Feeder | | | | | | No longer required. |
| 2.3 | New Belize City Substation | | | | | | |
| | 2.3.1 Substation Equipment – Indoor Main Switchgear | 500 | ITB | N/A | Prior | Aug-2021 | New waiver for USA source. ITB Bidding document to include equipment that would be sourced from USA. |

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|----------|--|---------------------------|--------------|-----|----------------|------------------|---|
| | 2.3.2 Substation Equipment – Outdoor Distribution Switchgears | 380 | DC | N/A | Post | Jun-2020 | Existing Waiver for USA source. Equipment has been procured. |
| | 2.3.3 Substation Equipment – Voltage Regulators | 620 | DC | N/A | Post | May-2020 | Existing Waiver for USA source. Equipment has been procured. |
| | 2.3.4 Substation Equipment – Circuit Breakers | 150 | DC | N/A | Post | Aug-2021 | Existing Waiver for USA source. |
| | 2.3.5 Surveys | 10 | NBF | N/A | N/A | N/A | Procured internally via Shopping. |
| 2.4 | Construction of a new substation at Banak to supply southern Belize City | | | | | | |
| | 2.4.1 Equipment | 220 | DC | N/A | Prior | Aug-2015 | Existing Waiver for USA source. Equipment has been procured. |
| | 2.4.2 Other Materials | 4 | ICB | N/A | Prior | Jun-2017 | Materials have been procured. Note: Prior approval was specified under previous Procurement Plan. |
| | 2.4.3 Equipment & Material Transportation | 10 | NBF | N/A | N/A | N/A | Procured internally via Shopping. |
| | 2.4.4 Civil Works, Equipment Installation, Electrical Installation, Installation Works | 115 | NBF | N/A | N/A | N/A | Procured internally via Shopping. |
| | 2.4.5 Materials - BEL Contribution | 50 | NBF | N/A | N/A | N/A | Procured internally via Shopping. |
| 2.5 | Construction of a new substation at Pallotti to supply northern Belize City | | | | | | |
| | 2.5.1 Equipment | 220 | DC | N/A | Prior | Aug-2015 | Existing Waiver for USA source. Equipment has been procured. |
| | 2.5.2 Other Materials | 4 | ICB | N/A | Prior | Jun-2017 | Materials have been procured. Note: Prior approval was specified under previous Procurement Plan. |
| | 2.5.3 Equipment & Material Transportation | 10 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 2.5.4 Civil Works, Equipment Installation, Electrical Installation, Installation Works | 115 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|----------|---|---------------------------|--------------|-----|----------------|------------------|---|
| | 2.5.5 Materials - BEL Contribution | 63 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 3.0 | Ladyville Expansion and Upgrade | | | | | | |
| 3.1 | Construction of 3.1 miles of double circuit overhead 22kV line from Ladyville to Haulover Bridge | | | | | | |
| | 3.1.1 Other Materials | 300 | ICB | N/A | Prior | Mar-2018 | Procurement is underway. |
| | 3.1.2 Material Transportation | 36 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 3.1.3 Works (Equipment Installation, Electrical Installation, Line Construction) | 225 | NCB | N/A | Prior | Oct-2018 | Procurement is not being considered within the project. |
| | 3.1.4 Surveys | 12 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 3.1.5 Materials - BEL Contribution | 33 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 3.2 | Construction of 3.7 miles of overhead 22kV line from Haulover Bridge to Pallotti Substation | | | | | | |
| | 3.2.1 Other Materials | 125 | ICB | N/A | Prior | Mar-2018 | Procurement is underway. |
| | 3.2.2 Material Transportation | 7 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 3.2.3 Works (Equipment Installation, Electrical Installation, Line Construction) | 100 | NCB | N/A | Prior | Oct-2018 | |
| | 3.2.4 Surveys | 8 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 3.2.5 Materials - BEL Contribution | 10 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 3.3 | Construction of a new substation at Ladyville | | | | | | |
| | 3.3.1 Equipment, Other Materials, Equipment & Material Transportation, Works (Civil Works, Equipment Installation, Electrical Installation, Installation Works) | 2,295 | ITB | N/A | Post | Dec-2018 | New waiver for USA source. ITB Bidding document to include equipment that would be sourced from USA. Procurement completed. |
| | 3.3.2 Surveys | 5 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 3.4 | Construction of 8.0 miles of overhead 115kV transmission line associated with Ladyville Substation | | | | | | |
| | 3.4.1 Other Materials | 255 | ICB | N/A | Prior | Dec-2018 | New waiver for USA source. |

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|------------|---|---------------------------|--------------|-----|----------------|------------------|--|
| | 3.4.2 Works (Material Transportation, Equipment Installation, Electrical Installation, Line Construction) | 148 | NCB | N/A | Prior | Jun-2019 | Procurement is not being considered within the project. |
| | 3.4.3 Surveys | 25 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 3.5 | Extension of LDV-03 Feeder to supply Army Camp Substation | | | | | | |
| | 3.5.1 Equipment | 50 | DC | N/A | Prior | Aug-2018 | New waiver for USA source. Equipment has been procured. |
| | 3.5.2 Other Materials | 140 | ICB | N/A | Prior | Mar-2018 | Procurement is not being considered within the project... |
| | 3.5.3 Equipment & Material Transportation | 15 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 3.5.4 Works (Equipment Installation, Electrical Installation, Line Construction) | 54 | NCB | N/A | Post | Oct-2018 | Procurement is not being considered within the project. |
| | 3.5.5 Surveys | 5 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 3.5.6 Materials - BEL Contribution | 2 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 4.0 | San Pedro Ambergris Caye Expansion and Upgrade | | | | | | |
| 4.1 | Installation of a new 25 MVA 115/34.5kV Transformer at Maskall Substation to supply Ambergris Caye | | | | | | |
| | 4.1.1 Equipment | 594 | DC | N/A | Prior | Aug-2015 | Existing Waiver for USA source. Equipment has been procured. |
| | 4.1.2 Equipment & Material Transportation | 21 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 4.1.3 Works (Equipment Installation, Electrical Installation) | 110 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 4.1.4 Materials - BEL Contribution | 4 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 4.2 | Upgrade SPR-03 Feeder to 22kV and transfer load to SPR-01 Feeder (in lieu of North San Pedro Substation) | | | | | | |
| | 4.2.1 Equipment | 600 | DC | N/A | Prior | Oct-2017 | Existing Waiver for USA source. Equipment has been procured. |
| | 4.2.2 Other Materials | 25 | ICB | N/A | Prior | Mar-2018 | Procurement is underway and expected to be completed June 2022.- |

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|----------|---|---------------------------|--------------|-----|----------------|------------------|---|
| | 4.2.3 Equipment & Material Transportation | 75 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 4.2.4 Works (Equipment Installation, Electrical Installation, Line Construction) | 250 | NCB | N/A | Prior | Oct-2018 | Procurement is underway. Procurement being executed in phases due to the nature of the works. The final phase expected to be completed June 2022. |
| | 4.2.5 Surveys | 25 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 4.2.6 Materials - BEL Contribution | 5 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 5.0 | Corozal And Orange Walk Reinforcement And Upgrade | | | | | | |
| 5.1 | Corozal Local Reinforcement: Construction of a new 115/34.5kV substation at Chan Chen supplying 34.5kV feeders (5 miles and 8 miles) | | | | | | |
| 5.1.1 | New 115/34.5 kV substation at Chan-Chen | | | | | | |
| | 5.1.1.1 Equipment | 268 | DC | N/A | Prior | Aug-2015 | Existing Waiver for USA source. Equipment has been procured. |
| | 5.1.1.2 Other Materials | 315 | ICB | N/A | Prior | Jun-2017 | Equipment has been procured. |
| | 5.1.1.3 Equipment & Material Transportation | 10 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 5.1.1.4 Works (Civil Works, Equipment Installation, Electrical Installation, Installation Works) | 1263 | ICB | N/A | Prior | Jun-2018 | Procurement completed and works ongoing. |
| | 5.1.1.5 Surveys | 10 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 5.1.2 | New 115 kV transmission line 3 miles (Chan-Chen) | | | | | | |
| | 5.1.2.1 Other Materials | 310 | ICB | N/A | Prior | Jun-2017 | Equipment has been procured. |
| | 5.1.2.2 Works (Equipment & Material Transportation, Equipment Installation, Electrical Installation, Line Construction) | 185 | NCB | N/A | Prior | Jun-2018 | Procurement completed. |
| | 5.1.2.3 Surveys | 15 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 5.1.2.4 Materials - BEL Contribution | 96 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 5.1.3 | New 34.5kV sub-transmission line - 8.1 Miles (Chan-Chen) | | | | | | |

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|----------|---|---------------------------|--------------|-----|----------------|------------------|---|
| | 5.1.2.1 Other Materials | 550 | ICB | N/A | Prior | Jun-2017 | Equipment has been procured. |
| | 5.1.2.2 Works (Equipment & Material Transportation, Equipment Installation, Electrical Installation, Line Construction) | 195 | NCB | N/A | Prior | Oct-2018 | Procurement is underway. Procurement for Line construction works awaiting completion of design. |
| | 5.1.2.3 Surveys | 40 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 5.1.2.4 Materials - BEL Contribution | 25 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| 5.2 | Orange Walk Local Reinforcement: Expansion and upgrade of the Belcogen Substation to include transformation from 115kV to 34.5kV | | | | | | |
| 5.2.1 | Upgrade of 115/34.5 kV substation at Belcogen | | | | | | |
| | 5.2.1.1 Equipment | 35 | DC | N/A | Prior | Aug-2015 | Existing Waiver for USA source. Equipment has been procured. |
| | 5.2.1.2 Other Materials | 135 | ICB | N/A | Prior | Jun-2017 | Equipment has been procured. |
| | 5.2.1.3 Equipment & Material Transportation | 10 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 5.2.1.4 Works (Civil Works, Equipment Installation, Electrical Installation, Installation Works) | 475 | ICB | N/A | Prior | Jun-2018 | Procurement completed and works ongoing. |
| | 5.2.1.5 Surveys | 10 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 5.2.1.6 Materials - BEL Contribution | 122 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 5.2.1.7 12/16/20 MVA 115/34.5 kV Power Transformer | 591 | ITB | N/A | Post | Oct-2020 | Procurement completed. |
| 5.2.2 | New 34.5kV sub-transmission line from Belcogen to Orange Walk Substation 4 miles | | | | | | |
| | 5.2.2.1 Other Materials | 310 | ICB | N/A | Prior | Jun-2017 | Equipment has been procured. |
| | 5.2.2.2 Works (Equipment & Material Transportation, Equipment Installation, Electrical Installation, Line Construction) | 95 | NCB | N/A | Post | Oct-2018 | Procurement is underway. Procurement for Line construction works awaiting completion of design. |
| | 5.2.2.3 Surveys | 20 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |

| Ref. No. | Project Components Contract (Description) | Estimated Cost (USD '000) | Proc. Method | PO | Review by Bank | Bid Opening Date | Comments |
|----------|--|---------------------------|--------------|-----|----------------|------------------|--|
| 6.0 | Belmopan Upgrade | | | | | | |
| 6.1 | Construction of approximately 1.5 miles of overhead 22kV distribution line to extend BMP-04 Feeder from Las Flores | | | | | | Completed outside of the loan. |
| 6.2 | Upgrade the section of BMP-01 Feeder which currently feeds the villages of San Martin, Salvapan and Maya Mopan, from 11kV to 22kV | | | | | | |
| | 6.2.1 Equipment | 32 | DC | N/A | Prior | Oct-2017 | Existing Waiver for USA source. Equipment has been procured. |
| | 6.2.2 Other Materials | 4 | ICB | N/A | Post | Mar-2018 | Procurement completed. |
| | 6.2.3 Equipment & Material Transportation | 3 | NBF | N/A | N/A | N/A | Procured internally by BEL via Shopping. |
| | 6.2.4 Works (Equipment Installation, Electrical Installation) | 17 | Shopping | N/A | Prior | Oct-2018 | Procurement completed |

Consultancy Services

- Prior Review Threshold:** Procurement decision subject to prior review by the Bank as stated in Appendix 1 to the Guidelines for the Selection and Engagement of Consultants:

| | Selection Method | Prior Review Threshold | Comments |
|----|------------------|------------------------|----------|
| 1. | QCBS | >100,000 | |

- Shortlist comprising entirely of national consultants:** N/A
- Reference to (if any) Project Operational/Procurement Manual:** CDB Guidelines for Selection and Engagement of Consultants (2011)
- Any Other Special Procurement Arrangements:** N/A
- Procurement Assignments with Selection Methods and Time Schedule:**

| Ref No. | Contract (Description) | Estimated Cost | Proc. Method | Review by Bank | Expected Bid-Opening Date | Comments |
|---------|--|----------------|--------------|----------------|---------------------------|-----------------------------------|
| 1. | Engineering Services - Supervision | 759 | NBF | N/A | N/A | Appointed from within BEL |
| 2. | Feasibility Study – Submarine Cable project – Caye Caulker, New San Pedro, Placencia | 638 | QCBS | Prior | Nov 2016 | Consultant Contracted in Dec-2017 |

D. Implementing Agency Capacity Building Activities with Time Schedule

N/A

. Summary of Proposed Procurement

Arrangement

| Project Component | CDB (USD'000) | | | | | | | | | | NBF (USD'000) | | Total Cost (USD'000) |
|---|------------------|------|------|-----|-------|----|------|-------|-------|-----|------------------|-------------|-------------------------|
| | ICB | LI B | R CB | NCB | DC | IS | NB F | QCB S | ITB | SSS | Country | Institution | |
| 1. Equipment - Substation Transformers and Breakers | - | - | - | - | 4,044 | - | - | - | - | - | - | - | 2,894 |
| 2. Other Materials | 2,567 | - | - | - | - | - | - | - | 395 | - | - | - | 2,962 |
| 3. Materials – BEL Contribution | - | - | - | - | - | - | 410 | - | - | - | - | 410 | 410 |
| 4. Equipment & Material Transportation | - | - | - | - | - | - | 309 | - | - | - | - | 309 | 309 |
| 5. Turn-Key Substation | - | - | - | - | - | - | - | - | 2,795 | - | - | - | 3,945 |
| 6. Installation and Construction Works | 1,738 | - | - | 871 | - | - | 110 | - | - | - | - | 110 | 2,719 |
| 7. Surveys | - | - | - | - | - | - | 185 | - | - | - | - | 185 | 185 |
| 8. Consultancy - Feasibility Study | - | - | - | - | - | - | - | 638 | - | - | - | - | 638 |
| 9. Consultancy - Engineering Services | - | - | - | - | - | - | 759 | - | - | - | - | 759 | 759 |
| 10. Project Management | - | - | - | - | - | - | 559 | - | - | - | - | 559 | 559 |

CQS – Consultant Quality Selection

LIB – Limited International Bidding

DC – Direct Contracting

NBF – Non-Bank Financed

FA – Force Account

NCB – National Competitive Bidding

FBS – Fixed Budget Selection

QCBS – Quality and Cost-Based Selection

ICB – International Competitive Bidding

RCB – Regional Competitive Bidding

IS – Individual Selection

SSS – Single Source Selection

ITB – Invitation To Bid

UOF – Use of Funds