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ANNEX

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August 7, 2020

To: Prospective Bidders

Subject: Addendum No. 2 – IFB # GPL- PD - 017 – 2020 - Supply of 16.7 MVA and 35 MVA Substation Transformers and 35 MVA Mobile Substation.

1. Please be advised that the total number of MV circuit breakers is **FOUR (4)**.
2. Regarding the Single Line Diagram published in **Addendum 1**, the acceptable Short Circuit Current rating for the MV switchgear is 40kA.
3. Transformers will be used as replacements wherever and whenever required. They are not required to work in parallel from an electrical standpoint, since the 13.8kV side will be separated by a normally open circuit breaker from any other adjacent transformer 13.8kV side. The existing transformers (16.7MVA and 35MVA) are all ONAF rated, while these are ONAN rated. Dimensions of 16.7MVA and 35MVA transformers should not exceed 8000mm x 5300mm (footprint).
4. Taps and Voltage Regulation should read:
 - “taps shall be provided in the high voltage winding (69 kV side), with steps of +4 and -6 at 2.5 % (+10% & -15%) taps above and below the primary voltage rating (69 kV).”
 - Alternative tap changer specifications will be considered. However, GPL Inc. aims to minimize transformer weight, as well as cost, while at the same time meeting our technical needs.
5. The technology used to transmit signals is not defined, for example, electrical, optical etc. Please highlight your recommendations and other relevant information in **Section-33 Non-Compliance Schedule** within specifications for 16.7MVA & 35MVA ONAN Rated Three Phase Power Transformers.
6. Substation Transformers 16.7MVA and 35MVA, remote controller is included in the scope of supply. Transformers will be at a minimum of 80m and a maximum of 100m away from the control building.
7. The acceptable range for iron (or core) and copper (or load) losses of the transformer is as follows:
 - Iron loss in function of nameplate rating of transformers: 0.08% to 0.1%;
 - Copper loss in function to nameplate rating of transformers at full load: 0.38% to 0.48%; and
 - The acceptable total transformer losses at full load: 0.47% to 0.6% of nameplate rating.

*Any other recommended deviations along with other relevant and pertinent information should be stated in **Section 33 - Non Compliance Schedule** within the Technical Specifications for 16.7MVA & 35MVA ONAN Rated Three Phase Power Transformers.*

In light of **Addendum 2** and requests from potential bidders for an extension, the new closing date for this bid shall now be August 26, 2020 at 2:00 p.m.

All other terms and conditions of the tender remain the same.

Strick COVID-19 protocol measures would be observed during the opening of Bids.

**Yours sincerely,
Guyana Power and Light Inc.**

**GUYANA POWER & LIGHT INC.
PROCUREMENT MANAGER**

Anthony Johnson
Procurement Manager