ADDENDUM #1

June 15, 2021

OLD HARBOUR TO CORPORATE AREA

TRANSMISSION NETWORK EXPANSION PROJECT

(OHCATNEP) – **TRANSMISSION LINE**

RFP#879742

1. **Part 1 Instruction to Bidder**
   A. **IB.20.1 – Request for an extension to the closing date of the bid.**

      The Jamaica Public Service Co. will be extending the bid submission deadline to Monday July 19, 2021.

2. **Part 3 Technical Specifications**
   A. **TS.03.1 – What sections of the transmission lines (TL) require surge arresters?**

      Surge arresters will be required throughout the entire line segment. Typically, surge arresters are installed at every 5 structures. Are surge arresters required on only the top phase(s) of the structures? For structures where the phases are aligned horizontally, all three (3) phases will require the installation of surge arresters. For structures where the phases are aligned vertically, only the lowest phase relative to ground will require the installation of a surge arrester. This is so as to mitigate back-flashover.

   B. **TS.03.4.2 & KMZ files – Please elaborate on the definition of "hybrid (single circuit and double circuit)". Please clarify based on the KMZ file numbered locations the following:**

      i. **Which sections of the TL are single and double circuit?**

         a. The entire route of the proposed transmission line shall be designed in such a way that all proposed structures selected by the designer shall be able to accommodate a double circuit.
         b. The contractor will be required to string a single circuit along some sections of the line route, in other locations he will be required to string two circuits using 927.2AAAC conductors for both circuits.

            a) Old Harbour S/S to existing pole E58 - String two circuits.
            b) Pole E58 to pole E80 - String a single circuit
            c) Pole E80 to pole E83 - String two circuits
            d) Pole E83 to pole E107 – String a single circuit
            e) Pole E107 to pole E160 – String double circuit
            f) Pole E160 to New Hunts Bay S/S – String single circuit

      ii. **Which section of the TL require towers and poles?**
      The EPC contractor will be responsible for submitting an optimal transmission line design. The structure locations labeled in both KMZ files submitted (options 1 and 2) are for demonstration purposes only and should not limit the design to only having structures spotted at these locations. The land base information as depicted in the KMZ

files can be used as a guide in determining locations where a tower versus single pole is utilized. Built-up areas will require single pole structures to be installed versus towers as space constraints exist.

iii. **Please provide the survey information for the existing towers/poles along the new line routes.**

KMZ File showing existing transmission lines will be shared. A LIDAR survey of the line route will be uploaded to the JPS online bid site.

C. **TS.03.4.5.1 – We require identification along the line route of the varying right-of-way width. Between each location on the KMZ file we need to know the right-of-way width. This will assist in understanding the vegetation removal requirements as well as clearance spacing between any existing towers/obstacles along the route**.

The centreline of the proposed transmission line as depicted in both KMZ files submitted (options 1 & 2) shall be used for structure placement in the design.- Please utilize the centre line of the existing transmission lines between Seaview to New Hunts Bay. We require 15 meters right-of -way on either side of the centerline.

D. **TS.03.4.6.18 – Reference is made to JPS policy and standards for access road design and construction. Please provide this policy and standards. We require further clarification as to where access roads are required along the TL.**

i. Section TS.03.4.6.18: Access Roads
ii. Item i - Road Improvements
iii. Item ii – New Roads
iv. Both sections clearly outlines the design requirements for road construction and also that Access Roads are the responsibility of the Contractor.

E. **TS.01.2, Insulator specifications, data sheets, and spare parts – Reference is made to 24/35kV in these sections. We believe there is no requirement at these voltages, please confirm.**

i. A segment of the proposed transmission line segment will require the dressing of structures o facilitate the attachment of a 3-phase, 24 kV primary distribution network.
ii. Seaview to East Avenue and road crossing at Industrial Terrace for Option 1,
iii. Seaview to East Avenue to Marcus Garvey Drive to New Hunts Bay for Option 2
iv. The route of the 69kV Lines from New Hunts Bay to Hunts Bay B station will overbuild 2x 24kV distribution lines

F. What are the proposed routes for the new 69 kV transmissions lines to be constructed from New Hunts Bay to Hunts Bay B as stated in the bid document?

As depicted in the KMZ files submitted, the line route for:

a. Option 1 is from pole ID 226-227 through to 231

b. Option 2 is from pole ID 228-229 through to 233

G. Will JPS be responsible for the preparation of a Bill of Quantity (BQ) based on the design submitted?

The EPC Contractor will be responsible for preparing the BQ based on their design submission

H. Are bid proposals required for the two (2) options presented in the bid document?

i. The bidders are required to submit a proposal for both options. The KMZ file associated with each option shows the proposed line route. Just to reiterate the point that the structure locations labeled in both KMZ files submitted (options 1 and 2) are for demonstration purposes only and should not limit the design to only having structures spotted at these locations.

ii. Bidders are to complete tables of Schedules in Section 4 for Option 1 and Option 2 respectively.

I. The bid document made reference to only one (1) standard tower. What provisions are in place for situations/conditions whereby an adjustment in tower height is required?

As requested in SCH 02.5.1 of the bid document, the bidder is required to submit unit prices for both body extensions as well as leg extensions which will be used in instances where a variation from the standard tower height quoted on is required- reference the section of the bid document.

J. What is the process for engaging landowners pertaining to the construction of access roads?

i. The EPC Contractor will have full responsibility in making provisions to engage landowners for the construction of Access Roads.- Section TS.03.4.6.18

K. How will the land clearing for the right of way and the restoration of the area be handled?

i. The removal of vegetation to a local dump will be the acceptable method. The EPC Contractor will be responsible for this activity.

L. Add Section TS.03.4.6.20 Communication Accessories

i. The proposed fiber optic tower attachment is specified in the first attached document with number **ADELE578/613C**. These are dead ends and two are required per tower.

ii. The suspension clamps (Trunion assemblies, single) are required for the steel poles and additionally quantities will be required where wooden poles has to be installed between towers.

3. Information to Bidders

IB.20 DEADLINE FOR SUBMISSION OF BIDS

IB.20.1 Bids must be received by the Employer at the address specified under paragraph IB.19.2 on July 19, 2021.

Key Milestone Dates

ITEM		DATE
No.	**Description**	
1	Issue RFP/Tender	April 20, 2021
2	Bidder Submit Questions	May 21, 2021
3	JPS responded to Questions from Bidders	July 5, 2021
4	Bidder provide their intension to bid	July 7, 2021
5	Receive Bids	July 19, 2021
6	Issue Letter of Acceptance of Offer	August 30, 2021
7	Sign Contract	September 10, 2021
8	Purchase Order	September 24, 2021
9	Submit Performance Bond	October 3, 2021
10	Advance Payment/ Letter of Commencement	October 17, 2021
11	Complete Approval of Transmission Line Design	November 15, 2021
12	Complete Approval of Civil Designs	November 30, 2021
13	Start Civil Works	January 24, 2022
14	Complete Material Delivery to Site (100%)	August 15, 2022
15	Complete Civil Works	February 15, 2023
16	Start Erection Works	March 15, 2022
17	Complete Erection Works	March 15, 2023
18	Start Stringing Works	August 15, 2022
19	Complete String Works	March 22, 2023
20	Complete Testing	March 30, 2023
21	Complete Commissioning	April 15, 2023
22	Project Close Out	May 31, 2023

No.	Document/Drawing No.	Description
1	27287- REV 2	Transmission Towers and Pole Drawings
2	.kmz files	138kV and 69kV Transmission Line Routes (Options 1 & 2 for 138kV Line)
3	TLDC	Transmission Line Design Criteria
4	HBBS_F47733	Hunts Bay B Substation Layout Plan
5	HBBS_F47734	Hunts Bay B Substation Layout Sections
6	NHBS_001R1 El Layout	New Hunts Bay 138/69kV Substation Layout Plan – Transmission Line Option 1
7	NHBS_001 El Layout	New Hunts Bay 138/69kV Substation Layout Plan – Transmission Line Option 2
8	NHBS_002 El Layout Sections	New Hunts Bay 138/69kV Substation Electrical Layout Sections
9	NHBS_003 Site Plan	New Hunts Bay 138/69kV Substation Site Plan
10	NHBS_004 LBMAL JPS Topo Survey	New Hunts Bay 138/69kV Substation Site Topo Survey
11	OHS_001 El Layout	Old Harbour 138kV Substation Electrical Layout Plan
12	OH_002 El Layout Sections	Old Harbour 138kV Substation Electrical Layout Sections
13	Geotechnical Report #1	JPS New Hunts Bay Substation Geotechnical Report
14	Geotechnical Report #2	138kV Line Route Geotechnical Report
15 *	**Feature Code for T/Line**	JPS Feature Codes for Transmission Line Designs using PLSCADD
16 *	**ADSS_Formed_Wire_Dead-End.aspx**	Semi-High Tension Dead End for ADSS Cable
17 *	**ADSS-Cable-Trunion-Assemblies**	Trunnion Assemblies— Single and Double Cables
18 *	**LIDAR Survey**	LIDAR survey of Line Route

* - Additional documents being provided by JPS.