Corporate Finance Department
Materials Management Division

152-2023 ADDENDUM 1

NEWPCC UV TRANSFORMER ENCLOSURE REPAIR

ISSUED: March 20, 2023
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URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID/PROPOSAL

THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20160708

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.

FORM B: PRICES

Replace: 152-2023 Form B: Prices with 152-2023 Addendum 1 - Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R1): Add Items No. 5 and 6.

PART D – SUPPLEMENTAL CONDITIONS

Add: D2.3 The optional components of the Work, to be performed at the option of the City, are:

D2.3.1 Replacement of the 4160V primary feeder cables for UVT-2 and UVT-3 from the upstream switchgear to the corresponding transformer. This includes all associated Work, including opening and closing of wall penetrations, modifications to cable tray, testing and commissioning, and all other Work and appurtenances to implement a comprehensive medium voltage cable replacement.

Add: D26.1:

(i) 20% of Item 5 upon the completed installation of UVT-2 primary cables.

(j) 25% of Item 5 upon the provision of and successful completion of all cable testing and commissioning forms and energization of the new UVT-2 primary cables.

(k) 20% of Item 5 upon the completed installation of UVT-3 primary cables.

(l) 25% of Item 5 upon the provision of and successful completion of all cable testing and commissioning forms and energization of the new UVT-3 primary cables.

(m) 5% of Item 5 upon achieving Substantial Performance.

(n) 5% of Item 5 upon achieving Total Performance.

PART E – SPECIFICATIONS

Add: E12 BUS DUCT MODIFICATIONS

E12.1 Take care with any disassembly and re-assembly of the bus duct connected to the transformers.

E12.2 Follow the original manufacturer's instructions for any required disassembly and re-assembly of the bus duct. Where the original manufacturer instructions are not available, utilize the manufacturer's instructions of the most appropriate and qualified manufacturer to service and support the bus duct.

E12.3 Take care in the disassembly and re-assembly of all bus duct flexible connections. Inspect connections for degradation and damage.

E12.4 Replace gaskets and seals of disassembled busway joints. In addition, replace any other components recommended by the original manufacturer for replacement as part of re-assembly.

E12.5 Torque all bus duct connections in accordance with manufacturer recommendations.

E12.6 Ensure all bus duct "touched" as part of the Work is water-tight and appropriate for service.

E12.7 Test bus duct in accordance with 26 08 05 – Electrical Commissioning.

Add: E13 UVT-2 AND UVT-3 MEDIUM VOLTAGE CABLE REPLACEMENT (OPTIONAL)

E13.1 The replacement of the UVT-2 and UVT-3 medium voltage cable shall be performed at the option of the City. Do not initiate cable replacement procurement or installation Work without the approval of the Contract Administrator.

E13.2 Completely replace the UVT-2 and UVT-3 medium voltage feeder cable back to the 4160V switchgear. Provide and install cables in accordance with Specification 26 05 13 – Medium Voltage Cables.

E13.3 As shown on Drawing 1-0101U-E0013-001, the existing cable is based upon a 350 kcmil cable. Utilize this size for costing; however, confirm this cable size with the Contract Administrator and the City of Winnipeg Inspector (Authority Having Jurisdiction) prior to the provisions of shop drawings and procurement.

E13.4 Remove the existing cable. Take care while removing existing cables to avoid disruption of other cables in operation. Coordinate with the Contractor Administrator and either dispose of the cable or turn over to the City as directed.

E13.5 Confirm the adequacy of all cable trays in supporting the cables and providing the required cable radius bends. Make adjustments to the fit, support, connections, etc. as required.

DRAWINGS

Add: 152-2023 _Addendum_1_Drawing_1-0101U-E0006-001-03

APPENDICES

Add: Appendix_D_Photos_2023-03-13

NMS SPECIFICATIONS

Add: 152-2023_Addendum_1_Section 260513_Medium_Voltage_Cables

Replace: Section 26 05 13 – Wires and Cables within 152-2023_NMS_Format_Specifications

with

152-2023_Addendum_1_Section 260521_Wires_and_Cables_R1

QUESTIONS AND ANSWERS

Q1: Is the replacement of all medium voltage cable terminations required?

A1: Yes, replacement of the medium voltage cable terminations is required for all four transformers.

Q2: Can the drawings provided as part of the tender documents be utilized to construct the transformer roofs?

A2: The drawings provided assist in identifying the requirements of the Work, but do not provide all the required construction detail. The Contractor shall provide shop drawings, sealed by a professional engineer, showing the complete design and required construction work for the transformer roof replacement, including the roof insulation attachment, as indicated in the Drawings and Section 26 12 16 of the Specifications.

Q3: Can the provided drawing 1-0101U-E0020-001 be utilized to construct the required support structure?

A3: The drawing 1-0101U-E0020-001 assists in providing the overall requirements of the Work but does not provide all the required construction detail. The Contractor shall validate new and existing site loads and provide shop drawings, sealed by a professional engineer, showing the complete design of the cable tray and bus duct support structure for the transformers, as indicated in the Drawings and Section 26 05 29 of the Specifications.

Q4: Is a bid bond required?

A4: Bid security is not required. However, contract security is required from the Contractor after notification of the award of the Contract in accordance with D12.

Q5: Is the Contractor required to switch the 4160V switchgear?

A5: All switching to de-energize each transformer will be by the City. The re-energization of the transformers, after the repair work will require coordination between the Contractor and the City. In coordination with the City, the Contractor shall provide the switching (closing of the breaker) to re-energize the transformer.