



494-2021 ADDENDUM 2

SUPPLY, DELIVERY AND ON-SITE INSPECTIONS OF NEWPCC SUBMERSIBLE PUMPING EQUIPMENT

URGENT

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

ISSUED: 2021-08-12
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**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.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 4:00 p.m. Winnipeg time, August 20, 2021.

PART D – SUPPLEMENTAL CONDITIONS

- Revise: D9.1 (a) to read: A performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; **or**
- Revise: D13.1 (b) to read: Shipment 1 received at site by April 25, 2022.
- Revise: D13.1 (c) to read: Shipment 2 received at site by May 30, 2022.
- Revise: D13.1 (d) to read: Total Performance by the City planned for July 5, 2022.
- Revise: D14.1 to read: Total Performance is planned to be achieved by July 5, 2022.
- Revise: D20 (d) to read: Fifteen (15) percent upon Total Performance date as identified in D14.1.

PART E – SPECIFICATIONS

- Add: E3.5 (m) Detailed information of any adapters required including size, arrangement and materials.
- Add: E3.5 (n) Detailed information of any instrument sensors, relays and transmitters required including size, arrangement and mounting details.
- Add: E4.1 (h) The existing submersible pump instruments currently uses three (3) sensors within each pump control panel for pump alarms and lockout. These sensors include KSB Pump Safe Relay A, KSB Pump Safe Relay D1 and KSB Pump Safe Relay D2. Existing sensors will not be reused.
- Revise: E4.2 (d) (ii) to read: Lower Bearing Temperature Discrete Input (120 VAC rated contacts)
- Revise: E4.2 (d) (iii) to read: Upper Bearing Temperature Discrete Input (120 VAC rated contacts)

- Add: E4.2 (f) (v) ABS/Sulzer VUPX Series.
- Add: E4.3 (a) (i) Should any restrictions (COVID-19, travel, factory, etc.) not allow City representatives to attend in-person witnessing of the FAT testing, the Contractor shall arrange for FAT testing to be witnessed online and/or virtual format by City representatives.
- Delete: E4.3 (h) (iii)
- Add: E5.2 (h) Provide one (1) set of spare instrument sensors (relays, transmitters, cards, etc) required for one (1) pump complete installation.

APPENDICES

- Add: Appendix H Existing Submersible Pumps Installation Details, Dimensions and Pictures

QUESTIONS AND ANSWERS

- Q1: Can the shipment dates be extended?
- A1: The shipment dates and total performance will be extended an extra two (2) weeks. The shipment dates are based on City staff availability and criticality of replacing the pumps.
- Q2: Are there any holdbacks in regards to payments?
- A2: No, payments are based solely on completion of milestones and amounts provided in section D20.1
- Q3: Is there an anti-rotational device installed in the bottom of the draft tube discharge column? If yes, is the anti-rotational device welded or removable.
- A3: It appears from the draft discharge tube as-built drawing (first drawing in Appendix A, titled Axial Flow Pump Pipe Arrangement) along with existing pump specifications (Appendix G) that there are no anti-rotational device(s) installed. At the bottom of the draft discharge tube is a floor cone/vane ring.
- Q4: When is the Milestone D listed in tender section D20.1 to be paid.
- A4: Milestone D payment is based on Total Performance date being met.
- Q5: Is the 48-hour submersible test required?
- A5: Yes, the 48-hour submersible test is required to ensure there are no issues with the seals. The intent is that the pumps would be submerged approximately two (2) days prior to City staff attending the factory to witness FAT testing. The mechanical seals and moisture contacts would then be verified and witnessed by City representatives to ensure there are no leaks.
- Q6: Will the City be witnessing just the hydraulic performance testing portion only?
- A6: No, the City will be witnessing the hydraulic performance testing in section E4.3 (g), motor testing in section E4.3 (h) along with instrument testing in section E4.3 (i).

- Q7: What equipment is installed in the pump control panel for monitoring pump signals?
- A7: Each existing pump control panel includes three (3) KSB Pump Safe Relays (one Pump Safe Relay A, one Pump Safe Relay D1 and one Pump Safe Relay D2). The Contractor will be required to provide six (6) new sets of relays/sensors (with one set being a spare) for pump signal monitoring. The existing relays will not be reused. The City will install and wire all new sensor sets. See Appendix H for pictures and wiring details.
- Q8: Will the Contractor be responsible for compatibility and any changes required to the pump control panels to accept the pump supplier's integrated sensor package specified in section E4.2 (d)?
- A8: The Contractor will be required to provide the instruments and any sensor package(s) required for the instrument signals listed in section E4.2 (d). The city will provide the wiring to connect the signal outputs into the existing pump control circuits.
- Q9: What will be included as part of shipments 1 and 2?
- A9: Shipment 1 shall include three (3) pumps with cables attached to pumps, three (3) sets of instrument sensors (relays, transmitters, etc.) for instrument signals identified in section E4.2 (d), all spare parts identified in section E5 along with documents identified in section E7.2.
- Shipment 2 shall include three (3) pumps with cables attached to pumps, three (3) sets of instrument sensors (relays, transmitters, etc.) for instrument signals identified in section E4.2 (d) along with documents identified in section E7.2.
- Q10: Can the draft discharge tubes be modified to remove the lower 600mm section?
- A10: No, the existing draft discharge tubes are encased in concrete and the lower portion is inaccessible. The existing draft tubes will remain in place without any modifications. An adapter and/or custom pump modifications (if required) will need to be provided by the Contractor to ensure the new pumps can operate within the existing draft discharge tubes as indicated in section E4.1 (d). Existing pump sizes have been provided in Appendix H. Note that if adapters are required, adapter shop drawings and one (1) spare adapter set is required to be provided in this contract.
- Q11: What happens to the witnessing of FAT testing if restrictions do not allow for City personnel to attend the FAT site visits?
- A11: If any restrictions (COVID-19, travel, factory etc.) do not allow City staff to attend the FAT testing site visits, the Contractor will be required to arrange witnessing of FAT testing to be delivered online and/or in virtual format.
- Q12: Is the performance bond in section D9.1 required to be delivered in multiple forms as the wording is unclear?
- A12: The performance bond is required to be delivered by either Form H1 in section D9.1 (a), Form H3 in section E9.1 (b), or a certified cheque in section E9.1 (c).
- Q13: The upper and lower bearing temperature sensors are PT100 (analog) signals, does the City want analog or discrete signals?
- A13: The upper and lower bearing temperature sensors are required to be discrete signals to connect in with the existing pump control circuits.