



645-2012 ADDENDUM 1

SUPPLY AND DELIVERY OF NEWPCC RAW SEWAGE PUMPS, MOTORS AND VARIABLE FREQUENCY DRIVES

URGENT

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

ISSUED: December 13, 2012
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

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Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 9 of Form A: Bid may render your Bid non-responsive.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 4:00 pm Winnipeg time, December 18, 2012.

PART D – SUPPLEMENTAL CONDITIONS

D15. SUBSTANTIAL PERFORMANCE

Add: D15.5 to read: Substantial Performance cannot be achieved without completion of Forms 103: Certificate of Equipment Satisfactory Performance and T1: Certificate of Satisfactory Training for all Major Equipment supplied under this Contract.

D17. DELIVERY

Revise: D17: Change section title from D17. DELIVERY to D17. CRITICAL STAGES.

Revise: D17.1 to read: Shop Drawings: Acceptable Shop Drawings for all Major Equipment shall be completed within 50 Business Days of the Award of the Contract. Shop drawing completion shall not be achieved until drawings are reviewed by the Contract Administrator.

Revise: D17.2 to read: The pump, motor and variable frequency drives are to be assembled in packages for factory testing, and subsequently delivered to temporary storage at a location near the NEWPCC Site until the NEWPCC Site is ready for installation. The equipment shall be available and accessible to the City for emergency use while in temporary storage. Delivery of the equipment shall be:

- (a) f.o.b. destination, freight prepaid.
- (b) Temporary storage location to be arranged by Contractor, unless otherwise approved as a change by Contract Administrator.

Revise: D17.6 to read: Installing Contractor shall be responsible for pickup and transport from temporary storage to the NEWPCC Site:

- (a) Scheduled delivery of the first pump, motor and drive assembly on or before April 28, 2014.

- (b) Scheduled delivery of the second pump, motor and drive assemble to be on or before June 30, 2014.
- (c) Equipment delivery shall be considered complete upon the issuance of Form 100: Certificate of Equipment Delivery and Form 101: Certificate of Readiness to Install. A separate form shall be provided for each major component. These forms are included in Section 01600 and Section 01701.

- Add: D17.9: Satisfactory Installation: The Contractor shall provide support to the Installing Contractor as required to achieve satisfactory installation of all equipment.
- (a) This support shall include (but is not limited to) providing a qualified representative on site as required to assist the Installing Contractor in achieving satisfactory installation of the goods supplied under this Contract.
 - (b) Satisfactory installation shall be considered complete upon the issuance of Form 102: Certificate of Satisfactory Installation. A separate form is required for each piece of Major Equipment and a separate form for the entire system.

- Add: D17.10: Satisfactory Performance Verification and Training: Performance Verification and Training shall be completed on or before achieving Substantial Performance.
- (a) The Contract Administrator will coordinate the Performance Verification and training to coincide with the project commissioning schedule and will provide the Contractor a minimum of sixty (60) Calendar Days written notification of the acceptable date for the start of Performance Verification and training.
 - (b) During the Performance Verification and training period the Contractor shall provide qualified representation on site as required to assist the Installing Contractor in achieving and demonstrating satisfactory performance of the goods supplied under this Contract.
 - (c) Satisfactory Performance Verification and training shall be considered complete upon the issuance of Form 103: Certificate of Equipment Satisfactory Performance and Form T1: Certificate of Satisfactory Training.

D21. PAYMENT

- Revise: D21.2 to read: The Builders' Liens Act (Manitoba) shall apply:
- (a) Any payment made by the City to the Contractor on account of a progress estimate shall be less any holdback made in accordance with The Builders' Liens Act (Manitoba), and such holdback or other amount which the City is entitled to withhold pursuant to the Contract.
 - (b) Release of holdback shall be in accordance with The Builders' Liens Act (Manitoba).

D22. PAYMENT SCHEDULE

- Revise: D22.1 to read: Further to C10, payment shall be in accordance with the following payment schedule:
- (a) One (1) percent of the Lump Sum Price will be paid upon the issuance of Certified Shop Drawings for the entire scope of this supply Contract.
 - (b) Nineteen (19) percent of the Lump Sum Price will be paid upon successful completion of the Factory Tests.
 - (c) Seventy (70) percent of the Lump Sum Price will be paid upon delivery of all Major Equipment to storage including transference of title complete with bill of sale to the City of Winnipeg for all Major Equipment.

- (d) Five (5) percent of the Lump Sum Price will be paid upon the successful completion of Form 100: Certificate of Equipment Delivery, Form 101: Certificate of Readiness to Install, Form 102: Certificate of Satisfactory Installation, all Functional Tests as outlined in the Specifications, Form 103: Certificate of Satisfactory Performance, Form T1: Certificate of Satisfactory Training, and the issuance of the draft (minimum) paper and electronic copies of the operation and maintenance manuals.
- (e) Five (5) percent of the Lump Sum Price for achieving Total Performance including issuance of the final paper and electronic copies of the operation and maintenance manuals as outlined in the Specifications.
- (f) Payment for additional days in storage shall be in accordance with the Separate Prices listed on Form B: Prices. Payment will be calculated on a daily basis for each assembly for each full or part day the schedule is extended beyond the date specified in D.17.6 Delivery or otherwise approved by the Contract Administrator.

D23. WARRANTY

Replace: D23.1 with:

Notwithstanding C11, the warranty period shall be in full effect for either until one (1) year after the date of Total Performance, or four (4) years from transfer of title to the City, whichever shall occur first, unless extended pursuant to C11.3, in which case it shall expire when provided for thereunder.

PART E – SPECIFICATIONS

SECTION 01101 – SUMMARY OF WORK – PART 1 GENERAL

1.04 SITE INFORMATION

Revise: 1.04 to read:

The NEWPCC Main Building was constructed in the 1930's, and underwent a major renovation in the 1960's. The Main Building houses three dry wells which each contain two raw sewage pumps. Pump MP-5 which is in the southern dry well (Dry Well No. 1) and Pump MP-4 which is in the central dry well (Dry Well No. 2) are to be replaced with new pumps and motors. The dry wells are only 7.6 m (25 feet) in diameter, which limits the size of equipment that can physically be installed in the locations while allowing room for installation, maintenance and removal.

Raw sewage is fed from the wet well by two suction headers, one on the east side and one on the west side of the dry wells. Pump MP-5 is fed from the East Suction Header, while pump MP-4 is fed from the West Suction Header. Each of these suction headers has different suction and inlet conditions, with the east suction header being immediately adjacent to the dry well, creating a condition in which there is a rapid transition from the suction header to the pump suction line.

During the investigation of pump replacement options, testing of the existing pumps in Dry Well No. 1 was carried out to assess their current performance, with the results reported in NEWPCC – Pump Tests Report (May 3, 2010) which has been included as Additional Information. No unusual operational problems or adverse characteristics were identified from the tests. The Contractor is to consider the system configuration with respect to the pumps being proposed and confirm the new pumps will be suitable for installation in the existing locations.

The West Suction Header which feeds MP-4 was constructed in the 1960's, and was built with a longer straight approach section of suction channel.

The existing electrical room is located immediately south of Dry Well No. 1. It is to be expanded into the former chlorine room which is immediately south of the existing electrical room. The VFDs will be located within this new electrical room. The space available for the VFDs and other new electrical, control and mechanical equipment along with associated clearance requirements will also be limited in this new electrical room.

The space limitations at the Site for both pump/motor and VFD make the size of the equipment critical to successful installation of the equipment and future maintenance. Accordingly, the specifications have been developed in terms of maximum equipment size limitations.

1.05 DEFINITIONS

- Add: 1.05 A.8: All work required from the Manufacturer and Manufacturer's Representative shall be provided and coordinated by the Contractor.
- Add: 1.05 A.9: "Acceptable Shop Drawings" means all required Shop Drawings have been reviewed by the Contract Administrator and have been annotated and stamped as "No Exceptions Taken" or "Exceptions Taken" in accordance with Section 01301 of this Bid Opportunity.
- Add: 1.05 A.10: "Certified Shop Drawings" means Shop Drawings prepared by the Contractor after all required Shop Drawings have been "No Exceptions Taken" or "Exceptions Taken" in accordance with Section 01301 of this Bid Opportunity and which incorporate all modifications to the Shop Drawings, comments and notations made by the Contract Administrator in the course of the review.
- Add: 1.05 A.11: "Contract Work Schedule" means a Gantt Chart developed by the Contractor developed using the critical path method (CPM) which shows the proposed progress of the major items of work which are to be performed under this Contract.
- Add: 1.05 A.12: "Furnish" or "Furnished" means "supply" or "supplied" respectively.
- Add: 1.05 A.13: "Major Equipment" means all equipment for which shop drawing submittals are required as specified in Division 11 and Division 16.
- Add: 1.05 A.14: "Manufacturer" means the person, partnership or corporation responsible for the manufacture and fabrication of equipment provided to the City for the completion of the work.
- Add: 1.05 A.15: "Manufacturer's Representative" means a trained serviceman empowered by the manufacturer to provide installation, testing, and commissioning assistance to the City in his performance of those functions.
- Add: 1.05 A.16: "Performance Verification" means all factory and field tests, demonstrations and other activities required from the Contractor to complete Form 103: Certificate of Satisfactory Performance and to demonstrate to the Contract Administrator's satisfaction that the equipment supplied under this Contract is performing as specified herein.
- Add: 1.05 A.17: "Professional Engineer" means a professional engineer registered in the Province of Manitoba.
- Add: 1.05 A.18: "Substantial Performance" shall have the meaning attributed to it in the Builders' Lien Act (Manitoba), or any successor legislation thereto.
- Add: 1.05 A.19: "Total Performance" means that the entire Work has been inspected, accepted and, except those items arising from the provisions of C11, has been performed in accordance with this Contract.
- Add: 1.05 A.20: "VFD" means Variable Frequency Drive.

SECTION 01301 – ADMINISTRATIVE REQUIREMENTS – PART 1 GENERAL

1.06 ACTION SUBMITTALS

- Revise 1.06 B.6 to read: Shop Drawing submissions containing design information shall include the seal of a qualified Professional Engineer registered or licensed in the Province of Manitoba. The seal shall be complete with stamp, signature, and dated by the Professional Engineer.

SECTION 01701 – SPECIAL SERVICES – PART 1 GENERAL

1.07 FUNCTIONAL TESTING

Revise 1.07 E to read: After the Contractor is satisfied that the equipment meets the functional test requirements, submit the functional test results and Form 103: Certificate of Equipment Satisfactory Performance to the Contract Administrator.

FORMS

Revise: Form 100, Form 101, Form 102 and Form 103 with the attached Form(s). The following is a summary of changes incorporated in the replacement forms:

Form 100(R1): Revise Contractor to Installing Contractor.

Form 101(R1): Revise Contractor to Installing Contractor.

Add equipment Supply Contractor to the requirement for installation instructions.

Form 102(R1): Revise Contractor to Installing Contractor.

Revise form title to Certificate of Satisfactory Installation.

Form 103(R1): Revise Contractor to Installing Contractor.

Add minimum requirements to acknowledgement of receipt of O&M manuals.

Add: Form T1 as attached.