



ADDENDUM 3 BID OPPORTUNITY 159-2007

WINNIPEG WATER TREATMENT PROGRAM – SUPPLY OF HMI HARDWARE AND PLC AND HMI SOFTWARE CONFIGURATION SERVICES

URGENT

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

ISSUED: August 13, 2007

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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 10 of Form A: Bid may render your Bid non-responsive.

PART A – BID SUBMISSION

Replace 159-2007_Addendum_2-Bid_Submission with 159-2007_Addendum_3-Bid_Submission. Form G2(R1) has been replaced by Form G2(R2).

PART B – BIDDING PROCEDURES

Revise B2.1 to read: The Submission Deadline is 4:00 p.m. Winnipeg time, August 24, 2007.

PART D – SUPPLEMENTAL CONDITIONS

Revise D17.1 to read: The Contractor shall achieve Substantial Performance by November 16, 2008.

Revise D24.1(b)(i) to read: 15% of the unit price will be paid upon the completion of each acceptable factory acceptance test, based on the provision of five (5) FATs as specified in Section 17040. The factory acceptance test will be considered complete upon the delivery of a FAT report (in a format acceptable to the Contract Administrator) and upon delivery of the tested software.

PART E – SPECIFICATIONS

Section 01670

Revise: the following rows of the table in 3.1 to read as follows:

- B.1) Manufacturer to provide installation instructions/training to the Contractor
- B.2) Contractor to complete Form 101 – Certificate of Readiness to Install
- B.4) Supply Contractor to inspect installation of City Supplied Equipment

- C.5) Supply Contractor and Contractor to conduct necessary checks prior to confirming equipment ready to run

Section 17015

Delete 1.3.6.7

Revise 1.3.16 to read: Two further I/O lists are included as Appendix A and Appendix B (UVMDATA6, Deacon_SPLC) and a Modbus Register Map has been provided as 159-2007_Addendum_2-Drawing_Generator_PLC_IO-R0.pdf. The Contractor shall provide HMI/SCADA integration services for all the I/O shown in these lists.

Add 1.3.24: Supply a 3 user licence for Magelis touch sensitive graphics terminal, (part no. VJD GND-TGS V45M). Provide configuration services for Magelis Touch Screen HMI'S in Deacon Booster Pumping Station Branch 1 Pumps DE-044 PP-4 and DE-045 PP-5. The HMI'S shall be located in LCP-D11 and LCP-D12 respectively, the HMI'S will be supplied by others. The HMI'S will provide the operator with all Pump status, alarm and monitoring information in graphical format. Also provide a cable (part no.XPT-ZG935) for connecting the HMI to a computer for programming.

Section 17500

Revise 2.2.1 to read: Equipment supplied under this Contract will be the latest revision available from the manufacturer for commercial use. There shall be seven (7) SCADA servers with the following minimum hardware and software requirements for each server: HP ProLiant ML350 G5 Server rack mounted – including Intel® Dual-Core XEON Processor (1 x 3.20GHz, 1MB Cache, 800MHz FSB), HP LP2065 20.1-inch Flat Panel Monitor with ATI FireMV™ 2400 PCI Express 4 Port Graphics Card, Microsoft Server 2003, 2.0GB DDR2 400 MHz SDRAM (4 DIMMs in 2 pairs, dual-channel architecture), USB Keyboard, 2 x 80GB SATA HDD mirrored, 3-button USB Optical Mouse, 16X/8X DVD +/-RW, and redundant fans and power supply.

Revise 2.2.3 to read: Two (2) Engineering workstations with the following proposed minimum requirements: HP xw6200 Workstation – including Intel® XEON Processor (1 x 3.20GHz, 1MB Cache, 800MHz FSB), 2x 74GB SATA HDD mirrored, 2 x HP L2035 20.1-inch Flat Panel Monitor with NVIDIA Quadro FX 1400 Graphics Card, Microsoft XP Professional, 2.0GB DDR2 400 MHz SDRAM (4 DIMMs in 2 pairs, dual-channel architecture), USB Keyboard, and a 3-button USB Optical Mouse. There shall be 2 flat panel monitors at each workstation.

Revise 2.2.7 to read: One (1) Plasmon UDO2 Desktop SCSI 60 GB Drive.