



# ADDENDUM 12 BID OPPORTUNITY 742-2005

## WINNIPEG WATER TREATMENT PROGRAM – SUPPLY AND INSTALLATION OF WATER TREATMENT PLANT PROCESS MECHANICAL AND ELECTRICAL

ISSUED: June 28, 2006

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### **URGENT**

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

**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID OPPORTUNITY AND SHALL  
FORM A PART OF THE CONTRACT  
DOCUMENTS**

Template Version: A20050506

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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.**

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### **PART A – BID SUBMISSION**

Replace: 742-2005\_Addendum\_11-Bid\_Submission with 742-2005\_Addendum\_12-Bid\_Submission.  
Form B: Prices (R4): Bid has been replaced with Form B: Prices (R5).

### **PART B – BIDDING PROCEDURES**

Revise B9.1.2 to read Cash allowances shall cover the net cost to the Contractor of services, products, construction machinery and equipment, freight, unloading, handling, storage, installation and other expenses incurred in supplying the following equipment:

Add: B9.1.2(a) Modicon Unity PLC's specified in article 2.1 of Section 17500. The integration of these PLC's into the Work shall be part of the lump sum price of item 1 on Form B: Prices, not part of the cash allowance.

Add: B9.1.2(b) The GE Multilin motor, feeder and transformer protection relays as specified in Section 16321, Section 16323, Section 16426, Section 16814 and as shown on drawings WB-E0511, WB-E0512 and WB-E0513. The integration of these relays into the Work shall be part of the lump sum price of item 1 on Form B: Prices, not part of the cash allowance.

### **PART E – SPECIFICATIONS**

#### **Section 11300**

Revise: 2.12.1 to read: For each size and type of pump, provide for one spare mechanical seal or packing kit (as applicable) and one (1) set of pump bearings.

#### **Section 11301**

Revise: 1.2.1.8 to read: Canadian Electrical Code (CEC), latest edition.

Revise: 1.4.1.6 to read: Conduit box dimensions and usable volume as defined in NEMA MG 1 and CEC.

Delete: 2.2.5

Delete: 2.9.3

Delete: 2.16.5.4

Delete: 2.16.6.5.2

Revise: 2.16.12.4 to read: CSA listed and sized in accordance with CEC.

### **Section 11305**

Revise: 2.3.1 to read: Pump equipment shall consist of pump(s) complete with motor(s), control systems where applicable, guide rail and anchoring brackets, base elbow and galvanized steel anchoring frame supports, power cable(s), and pump lifting cable(s).

Revise: 2.3.1.1 to read: Pump metal parts that come into contact with guide rail or cable system shall be made of materials which minimize sparking.

Revise: 2.3.2 to read: Lifting arrangement: Provide a sufficiently long stainless steel chain suited to the size of the pump to ensure pump retrieval using a grip eye is not impeded. Provide one "grip-eye". Attach the chain permanently to the pump and access platform with a stainless steel wire rope or nylon rope. "Grip-eye" shall be capable of being threaded over the engaging links of stainless steel chain so pump and motor may be lifted with "grip-eye" and independent hoist. Minimum lifting arrangement is 2500 mm. Provide a means of securing the rope at grade level to an equipment hook or other item secured to the floor

### **Section 15085**

Revise: 3.6.6 to read: Unheated supply air and outside air:

### **Section 15202**

Revise: 2.6.2.1.4 to read: Worm-gear operators one-piece design worm gears of gear bronze material. Worm hardened alloy steel with thread ground and polished.

Add: 2.6.2.4 Acceptable Manufacturers: Rotork and Limitorque

### **Section 15202-02(R3)**

Replace Section 15202-02(R3) with Section 15202-02(R4).

### **Section 16426**

Revise: 2.7.2 to read: Motor protection relays shall be GE Multilin model M60-G03-HCH-F8F or approved equal.

Add: 2.7.3 Feeder protection relays shall be GE Multilin model F60-G03-HCH-F8F or approved equal.

## **DRAWINGS**

Clarification: With reference to drawings WB-H0122 and WB-H0132: ceilings in the Administration Area are as follows:

- Office areas, corridors, Conference Rooms, Labs, lunch rooms: are Lay-in acoustic tile and drywall @ varying heights (between 2400-2750mm AFF),
- Washrooms, electrical rooms, janitor rooms, change rooms showers and vestibules : gypsum board @ varying heights (between 2400-2750mm AFF).

The following Drawings have been revised and form part of this Addendum:

<u>Consultant</u>		
<u>Drawing No.</u>	<u>City Drawing No.</u>	<u>Title</u>
WA-E0401	1-0601A-A-E0401-001-03D	ELECTRICAL - ADMINISTRATION AREA - SECOND FLOOR POWER AND LIGHTING PLAN
WC-E0112	1-0601C-A-E0112-001-03D	CHEMICAL AREA - FIRST FLOOR PROCESS PLAN
WI-E0133	1-0601I-A-E0133-001-03D	ELECTRICAL - RAW WATER PUMPING STATION AREA - THIRD FLOOR POWER AND LIGHTING PLAN
WO-E0132	1-0601O-A-E0132-001-03D	ELECTRICAL - OZONATION AREA - THIRD FLOOR PROCESS PLAN
WP-E0113	1-0601P-A-E0113-001-03D	ELECTRICAL - FLOC/DAF AREA 1 - FIRST FLOOR PROCESS PLAN
WP-E0114	1-0601P-A-E0114-001-03D	ELECTRICAL - FLOC/DAF AREA 2 - FIRST FLOOR PROCESS PLAN
WP-E0133	1-0601P-A-E0133-001-02D	ELECTRICAL - FLOC/DAF AREA 1 - THIRD FLOOR PROCESS PLAN
WP-E0134	1-0601P-A-E0134-001-03D	ELECTRICAL - FLOC/DAF AREA 2 - THIRD FLOOR PROCESS PLAN
WR-E0121	1-0601R-A-E0121-001-04D	ELECTRICAL - RESIDUALS HANDLING AREA - SECOND FLOOR FACILITY PLAN
WR-E0122	1-0601R-A-E0122-001-03D	ELECTRICAL - RESIDUALS HANDLING AREA - SECOND FLOOR PROCESS PLAN
WR-E0123	1-0601R-A-E0123-001-03D	ELECTRICAL - RESIDUALS HANDLING AREA - SECOND FLOOR POWER AND LIGHTING PLAN
WR-E0401	1-0601R-A-E0401-001-02D	ELECTRICAL - RESIDUALS HANDLING AREA - SECOND FLOOR PROCESS PLAN