Corporate Finance
Department
Materials Management Branch

ADDENDUM 8
BID OPPORTUNITY 792-2006

WINNIPEG WATER TREATMENT PROGRAM – CONSTRUCTION OF SODIUM HYPOCHLORITE AND CHEMICAL STORAGE BUILDINGS

ISSUED: April 20, 2007
BY: Lawrence Recksiedler, C.E.T.
TELEPHONE NO. (204) 986-4246

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

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 792-2006-Bid_Submission with 792-2006_Addendum_2-Bid_Submission. Form B has been replaced by Form B(R1) and Form G2(R2) has been replaced by Form G2(R3).

PART D- SUPPLEMENTAL CONDITIONS

Revise:	D2.2(f) to read:	Cleaning of all City Supplied Equipment in accordance with the Specifications prior to the seven day test specified in Section 01210 and Section 01650. At the conclusion of the Commissioning Period, if the Contract Administrator determines that additional acid cleaning of the City supplied hypochlorite system is required, this shall be done in accordance with 792-2006_Addendum_5-NMS_Section_Cleaning_Instruction-R0.pdf.
Add:	D16.4	The City of Winnipeg will endeavour to award the Contract within 75 Calendar Days of the Submission Deadline. If award is not made within that time period, Contract Dates identified in D17 Critical Stages, D18 Substantial Performance, D19 Total Performance and D20 Liquidated Damages will be extended by an equivalent number of Calendar Days until such a time an award is made.
Revise:	D17.1(f) to read:	Energize the cables servicing the main water treatment plant electrical room 2 MCC #4A and MCC #4B by March 31, 2008. Successful installation shall be considered complete when service can be energized and the City can use the service to support construction activities in the WTP.
Revise:	D18.1 to read:	The Contractor shall achieve Substantial Performance by September 30, 2008.
Revise:	D21.1 to read:	The City may, at its sole option, require the Contractor to provide a maximum of fifty (50) hours of Supplemental Training.

PART E - SPECIFICATIONS

Section 15200-000

Add:	3.5.10	Supply and Install joints as required to accommodate pipe coatings.

Revise: 3.19.2 to read: Piping that is supplied as passivated by the Contractor or by the City and that is subsequently welded during the performance of the Work shall either be re-pickled and re-passivated (internally) in accordance with 3.19.1 or welded using a technique that will neither contaminate the previously passivated surface nor react with the commodity that will be conveyed.

Section 15202-02(R2)

Replace 15202-02(R2) with 15202-02(R3).

Section 15205

Add: 2.4.6.6.3 Swagelok FM series

Section 15855

Revise: 2.1.4 to read: Finish shall be PPG Duranar XL baked enamel finish. Colour UC55028XL Bight Silver Metallic.

Section 15901

Add: 2.8: Full Port Modulating Ball Valves CV-H878 and CV-H879

Add: 2.8.1: Same as three-way control valves specified in article 2.3 of Section 15901 except with Belimo G2 actuator.

Section 15999(R1)

Revise 1.9 to read: Electric Radiant Heating Schedule

Tag	ERH-H850A	ERH-H851A,B,C	ERH-H852A
Location	MAU-H850 Air Intake Plenum	MAU-H851 Air Intake Plenum	MAU-H852 Air Intake Plenum
Type	***Single Tubular Element***	***Single Tubular Element***	***Single Tubular Element***
Capacity, kW (MBH)	2.0 (6.82)	2.0 (6.82)	2.0 (6.82)
Power Supply, V-ph-Hz	575-1-60	575-1-60	575-1-60
Overall Length, mm	1105	1105	1105
Heated length, mm	813	813	813
Manufacturer	CCI Thermal	CCI Thermal	CCI Thermal
Model	OKB412C6	OKB412C6	OKB412C6
Accessories & Remarks	Complete with: -Mounting Bracket	Complete with: -Mounting Bracket	Complete with: -Mounting Bracket

Tag	ERH-H854A		
Location	AHU-H850 Air Intake Plenum		
Type	***Single Tubular Element***		
Capacity, kW (MBH)	2.0 (6.82)		
Power Supply, V-ph-Hz	575-1-60		
Overall Length, mm	1105		
Heated length, mm	813		
Manufacturer	CCI Thermal		
Model	OKB412C6		
Accessories & Remarks	Complete with: -Mounting Bracket		

Section 16114

Revise: 2.1.2 to read: All instrumentation and control trays to be rigid aluminum with 300 mm rung spacing, 150 mm side rails and width as indicated on drawings.

Section 16820

Delete: 3.3.1

Section 17700-A(R2)

Revise: Record No. 163 to read: Revise LCP-S201C to read LCP-S105A.

Section 17701-A

Add : I115A Instrument Specification Sheet

INSTRUMENT SPECIFICATION NUMBER: I115A

DEVICE: Pressure Switch (Programmable Electronic Type)

TAG: PS-S410A, PS-S420A

SERVICE: Bulk Ammonia Storage Tank Pressure Relief Valve Operating

PROCESS CONNECTION: 1/4” NPTF

SENSOR: Wetted parts stainless steel

RANGE: 0 – 200Kpa

MOUNTING:	Direct to pipe, bottom connection
ENCLOSURE:	IP 65 Contractor to provide all necessary cable connectors, special cables etc.
OUTPUT:	120VAC switching output, compatible with direct PLC input
MANUFACTURER AND MODEL:	Ifm

Add: I190 Instrument Specification Sheet

INSTRUMENT SPECIFICATION NUMBER:	I190
DEVICE:	Ammonia Gas Detector
TAG:	GIT-S450A
SERVICE:	Liquid Ammonia Storage Tank Room Gas Detection
ENCLOSURE MATERIAL	Junction box: marine grade alloy NEMA 4X Sensor Housing: 316 stainless steel
CABLE ENTRIES	2x ½" NPT
OPERATING TEMP	-10C to +55C
RELAYS	2 alarm 1 fault
DISPLAY	3 digit LCD back lit display, LED status indicator Magnetically operated buttons
CALIBRATION METHOD	
ELECTRICAL OUTPUT	4-20mA
SENSOR TYPE	Catalytic Bead
REPEATABILITY	+/- 2% FSD
RANGE	0-150ppm
MANUFACTURER AND MODEL:	Crowcon Flamgard Plus

Drawings

Clarification: With reference to 792-2006_Addendum_2-Drawing_Sodium_Hypochlorite_Shop_Drawings-R0.pdf: The DC power cables between the rectifiers and electrolysers shown on CPG0465-I-01 (sheet 5 of 7) will be City Supplied Equipment. The Supply Contractor will take field measurements following the installation of the City supplied electrolysers and rectifiers and supply these cables to the City for the Contractor to install.

The following Drawings have been added for information only and form part of this Addendum:

Consultant Drawing No.	**City Drawing No.**	**Drawing Name/Title**
WB-M0462	1-0601B-A-M0462-001-01D	PROCESS MECHANICAL – STANDARD DETAILS
WF-M0111	1-0601F-A-M0111-001-01D	PROCESS MECHANICAL – FILTRATION PIPE GALLERY AREA 1 – UPPER PLAN
WF-M0121	1-0601F-A-M0121-001-01D	PROCESS MECHANICAL – FILTRATION AREA 1 – UPPER CHANNEL PLAN
WF-M0132	1-0601F-A-M0132-001-01D	PROCESS MECHANICAL – FILTRATION AREA 2 – THIRD FLOOR PLAN
WF-M0201	1-0601F-A-M0201-001-01D	PROCESS MECHANICAL – FILTRATION AREA – SECTION
WF-M0203	1-0601F-A-M0203-001-01D	PROCESS MECHANICAL – FILTRATION AREA – SECTION
WF-M0204	1-0601F-A-M0204-001-01D	PROCESS MECHANICAL – FILTRATION AREA - SECTION
WF-M0207	1-0601F-A-M0207-001-01D	PROCESS MECHANICAL – FILTRATION AREA – SECTION
WF-M0209	1-0601F-A-M0209-001-01D	PROCESS MECHANICAL – FILTRATION AREA - SECTION