



ADDENDUM 2 BID OPPORTUNITY 571-2005

WINNIPEG WATER TREATMENT PROGRAM – SUPPLY OF DEACON BOOSTER PUMPS

ISSUED: November 25, 2005
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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**

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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 E – SPECIFICATIONS

Section 11200

2.1 Exposure Classification

Revise: 2.1.2 to read: Motors shall be open drip proof (ODP) complete with air filters.

2.2 Motors – High Efficiency

Revise: 2.2.2 to read: Provide horizontal solid shaft, squirrel cage induction type high efficiency motors, with non-hygroscopic windings. Insulation rate shall be minimum Class F. ODP motors shall have a service factor rating of 1.15.

2.3 Painting

Revise: 2.3.1 to read: All motors are to be factory primed and epoxy coated. Epoxy coatings shall be a two (2) coat system with the final coat colour to be determined by the Contract Administrator. Provide sufficient primer and finish coatings for use by the Installation Contractor to touch-up equipment after installation.

Section 11320

2.2 Pump Performance

Revise: 2.2.5 to read: The pump bowl efficiency shall not be less than 80% for all flow conditions.

2.7 Pump Shaft

Revise: 2.7.2 to read: Make the shaft of sufficient diameter to assure rigid support of the impeller and to transmit loads without slip, vibration or undue deflection at operating loads.

Section 11320A

1.2 Operating Conditions: The Work of this Section shall be suitable for long-term operation under the following conditions:

Add: 1.2.14 Fluid Hardness: 68 – 97 mg/L as CaCO3

Add: 1.2.15 Chloramine Residual: 1.5 – 3.0 mg/L

Section 11320A (continued)

1.3 Performance Requirements:

Revise: 1.3.10 to read: Minimum pump bowl efficiency for all flow conditions (%): 80.

1.4 Pump Dimensions:

Clarification: With respect to clauses 1.4.1 and 1.4.2, the existing suction and discharge piping is 900 mm and 600 mm respectively. Pump connection to the existing piping shall be via flanges of similar size if available. If required, the Contractor shall supply reducers / increasers to make the necessary connections to the existing piping. The overall flange to flange dimension shall fit within the allotted space shown on the drawings.

4.0 Spare Parts:

Revise: 4.1.1 to read: One (1) casing wearing ring set (impeller wearing ring and casing wearing ring).

Delete: 4.1.4

Revise: 4.1.5 to read: One (1) pump bearing set and one (1) pump shaft sleeve set.

Delete: 4.1.6