

**SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT**

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Issued By: Angeline C. Peralez  
BID NO.: 13-8042

Date Issued: September 5, 2013

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**FORMAL INVITATION FOR BIDS  
ANNUAL CONTRACT FOR INSTRUMENTATION CALIBRATION  
SERVICES & MAINTENANCE  
ADDENDUM 1**

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Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5<sup>th</sup> Floor, P.O. Box 2449, San Antonio, TX 78298-2449 will be received until **3:00 p.m., September 10, 2013** and then publicly opened and read aloud for furnishing materials or services as described received herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

This invitation includes the following:

Invitation for Bids  
Terms and Conditions of Invitation for Bids

Specifications and General Requirements  
Price Schedule

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: \_\_\_\_\_ Firm Name: \_\_\_\_\_  
(Please Print or Type)

Address: \_\_\_\_\_

Signature of Person Authorized to Sign Bid \_\_\_\_\_ City, State, Zip Code: \_\_\_\_\_

Email Address: \_\_\_\_\_ Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Please complete the following:

Prompt Payment Discount: \_\_\_\_\_% \_\_\_\_\_days. (If no discount is offered, Net 30 will apply.)

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):

Non-minority  Hispanic  African-American  Other Minority (specify) \_\_\_\_\_

Female Owned  Handicapped Owned  Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status:  Partnership  Corporation  Sole Proprietorship  Other (specify) \_\_\_\_\_

Tax Identification Number: \_\_\_\_\_

\*\*\*\*\* This **Addendum 1** is issued to answer the following questions received on the bid sent to you on August 21, 2013.

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**Question 1:** *The magnetic flow meters listed have no sensor listed with them. The only way to have a true calibration performed is by having the set. Can SAWS provide the complete model numbers? Also, can we calibrate offsite in our flow laboratory?*

**Answers:**

- a. Model numbers are provided on pages 3-4 of this Addendum 1.
- b. Meters are installed, therefore analog readings will be done “in series” through existing analog wiring and verified through the SCADA/DCS Historians.
- c. Calibrations must adhere to manufacturers specifications (inclusive of “manufacturer calibration box”, if applicable).
- d. All calibrations must be completed on site (plant facility) not off site.

**Question 2:** *What is the test range on the pressure transmitter?*

**Answer:** These vary; we can arrange a field visit for verification of pressure ranges.

**Question 3:** *There are some clamps on ultrasonic meters on the list which can be verified using another ultrasonic meter. Can we use other ultrasonic meter?*

**Answers:**

- a. Calibrations must adhere to manufacturers specifications (inclusive of “manufacturer calibration box”, if applicable).
- b. Calibrations utilizing another ultrasonic meters for verification is not acceptable.

**Question 4:** *Can everything else be simulated?*

**Answer:** Calibrations must adhere to manufacturers specifications (inclusive of “manufacturer calibration box”, if applicable).

**Question 5:** *We will not be using the sensor for the calibrations, but can we verify the analog outputs going to the DCS?*

**Answer:** Contractor needs to use a manufacturer simulator (if applicable) and monitor the analog signal or ModBus registers to the SCADA or DCS. This applies to the magnetic flow meters.

**It is NOT necessary to return this Addendum 1 as part of your bid response.**

## List & Models of Instruments

Asset	Equip Type	Mfr	Model #	Description
TW00FI201	INSTFLOW	Eastech	EASTECH 4400	WELL #1 FLOW INSTRUMENT
TW00FI202	INSTFLOW	Eastech	EASTECH 4400	WELL #2 FLOW INSTRUMENT
TW00FI203	INSTFLOW	Eastech	EASTECH 4400	WELL #3 FLOW INSTRUMENT
TW00FI204	INSTFLOW	Eastech	EASTECH 4400	WELL #4 FLOW INSTRUMENT
TW00FI205	INSTFLOW	Eastech	EASTECH 4400	WELL #5 FLOW INSTRUMENT
TW00FI206	INSTFLOW	Eastech	EASTECH 4400	WELL #6 FLOW INSTRUMENT
TW00FI207	INSTFLOW	Eastech	EASTECH 4400	WELL #7 FLOW INSTRUMENT
TW00FI208	INSTFLOW	Eastech	EASTECH 4400	WELL #8 FLOW INSTRUMENT
TW00FI209	INSTFLOW	Eastech	EASTECH 4400	WELL #9 FLOW INSTRUMENT
TW00FI210	INSTFLOW	Eastech	EASTECH 4400	WELL #10 FLOW INSTRUMENT
TW00FI211	INSTFLOW	Eastech	EASTECH 4400	WELL #11 FLOW INSTRUMENT
TW00FI212	INSTFLOW	Eastech	EASTECH 4400	WELL #12 FLOW INSTRUMENT
TW00FI213	INSTFLOW	Eastech	EASTECH 4400	WELL #13 FLOW INSTRUMENT
TW00FI214	INSTFLOW	Eastech	EASTECH 4400	WELL #14 FLOW INSTRUMENT
TW00FI215	INSTFLOW	Eastech	EASTECH 4400	WELL #15 FLOW INSTRUMENT
TW00FI216	INSTFLOW	Eastech	EASTECH 4400	WELL #16 FLOW INSTRUMENT
TW00FI217	INSTFLOW	Eastech	EASTECH 4400	WELL #17 FLOW INSTRUMENT
TW02INFI01	INSTFLOW	Eastech	EASTECH 4400	TWIN OAKS RAW WATER INFLUENT FLOW
DR09DWF103	INSTFLOW	Endress & Hauser	PROMAG 53	GRAVITY BELT THICKENER # 3 FLOW INSTRUMENT
DR09DWF104	INSTFLOW	Endress & Hauser	PROMAG 53	GRAVITY BELT THICKENER # 4 FLOW INSTRUMENT
DR09TNKFI01	INSTFLOW	Endress & Hauser	PROMAG 53	DOS RIOS BLEND FACILITY SLUDGE BLENDING TANK FLOW
DR10BPF108	INSTFLOW	Endress & Hauser	53P1H-I0ALHB1AA0BAAA	DOS RIOS BFP #8 SLUDGE FLOW
DR10BPF109	INSTFLOW	Endress & Hauser	53P1H-I0ALHB1AA0BAAA	DOS RIOS BFP #9 SLUDGE FLOW
DR08WGFI12	INSTFLOW	GE Panametrics	GF868	DOS RIOS DIGESTER GAS - FCI TOTAL GAS TO FLARES (GM868)
TW09FI101	INSTFLOW	GE Panametrics	PANAMETRICS HMT 868i	ASR HIGH SERVICE PUMP #1 FLOW METER
TW09FI102	INSTFLOW	GE Panametrics	PANAMETRICS HMT 868	ASR HIGH SERVICE PUMP #2 FLOW METER
TW09FI103	INSTFLOW	GE Panametrics	PANAMETRICS HMT 868	ASR HIGH SERVICE PUMP #3 FLOW METER
TW09FI104	INSTFLOW	GE Panametrics	PANAMETRICS HMT 868	ASR HIGH SERVICE PUMP #4 FLOW METER
DR08WGFI10A	INSTFLOW	GE Panametrics	GF868	DOS RIOS DIGESTER GAS - PANAMETRICS TOTAL GAS FLOW (W441FIT)
PROD220FI101	INSTFLOW	GE Panametrics	AT868	DOS RIOS REUSE TOTAL FLOW
DR03RSFI01	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #1 FLOW
DR03RSFI02	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #2 FLOW
DR03RSFI03	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #3 FLOW
DR03RSFI04	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #4 FLOW
DR03RSFI05	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #5 FLOW

Continuation.....				
DR03RSFI06	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #6 FLOW
DR03RSFI07	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #7 FLOW
DR03RSFI08	INSTFLOW	Rosemount	8712ESR1A1NAM4	DOS RIOS 1ST STAGE RAS #8 FLOW
DR03RSFI09	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #9 FLOW
DR03RSFI10	INSTFLOW	Rosemount	8750WA12DSR1A1FPSC180CA	DOS RIOS 1ST STAGE RAS #10 FLOW
DR10BPF102	INSTFLOW	Rosemount	8750WA12ESR1A1FPSEC40CA1N	DOS RIOS BFP #2 SLUDGE FLOW
DR10BPF103	INSTFLOW	Rosemount	8750WA12ESR1A1FPSEC40CA1N	DOS RIOS BFP #3 SLUDGE FLOW
DR10BPF107	INSTFLOW	Rosemount	8750WA12ESR1A1FPSEC40CA1N	DOS RIOS BFP #7 SLUDGE FLOW
DR10BPF110	INSTFLOW	Rosemount	8750WA12ESR1A1FPSEC40CA1N	DOS RIOS BFP #10 SLUDGE FLOW
DR10BPF111	INSTFLOW	Rosemount	8750WA12ESR1A1FPSEC40CA1N	DOS RIOS BFP #11 SLUDGE FLOW
DR10NPF101	INSTFLOW	Rosemount	8750WA12ESR1A1FPSEC40CA1N	DOS RIOS BFP TOTAL NPW FLOW INSTRUMENT (Y237FIT) CAL # 0876205706831005
TW00CWF101	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #1 FLOW INSTRUMENT
TW00CWF102	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #2 FLOW INSTRUMENT
TW00CWF103	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #3 FLOW INSTRUMENT
TW00CWF104	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #4 FLOW INSTRUMENT
TW00CWF105	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #5 FLOW INSTRUMENT
TW00CWF106	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #6 FLOW INSTRUMENT
TW00CWF107	INSTFLOW	Rosemount	87DR12H0B6MD41	TWIN OAKS CARRIZO WELL #7 FLOW INSTRUMENT
TW00FI219	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #19 FLOW INSTRUMENT
TW00FI220	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #20 FLOW INSTRUMENT
TW00FI221	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #21 FLOW INSTRUMENT
TW00FI223	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #23 FLOW INSTRUMENT
TW00FI224	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #24 FLOW INSTRUMENT
TW00FI225	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #25 FLOW INSTRUMENT
TW00FI226	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #26 FLOW INSTRUMENT
TW00FI229	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #29 FLOW INSTRUMENT
TW00FI230	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #30 FLOW INSTRUMENT
TW00FI232	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #32 FLOW INSTRUMENT
TW00FI233	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #33 FLOW INSTRUMENT
TW00FI234	INSTFLOW	Rosemount	87DR12H0B6MD41	WELL #34 FLOW INSTRUMENT

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