

BOARD OF WATER WORKS OF PUEBLO, COLORADO
PURCHASING DEPARTMENT
719/584-0201 - Phone
719/584-0202 - Fax

I. INVITATION TO BID:

Sealed bids will be accepted at the Board of Water Works' Purchasing Department, 319 W. 4th Street, P.O. Box 400, Pueblo, Colorado 81002-0400, until:

2:00 p.m. on Friday, August 6, 2010

Material/ equipment/services to be purchased:

ANNUAL CONTRACT FOR COMPOUND WATER METERS

Price quoted shall include any charges for packaging, containers, freight and delivery to:

Warehouse, 707 W. 3rd Street, Pueblo, CO 81003

II. INSTRUCTIONS TO BIDDERS:

1. Any bid received after the time and date specified above will not be considered. Bid responses must be enclosed in sealed envelope and clearly marked on the outside "Bid for Compound Water Meters".
2. Proposals shall be typewritten or written in ink on the form prepared by the Board of Water Works. Officials of Corporations shall designate their official title; partners or sole owners shall so state. The person signing the bid shall initial all corrections or erasures.
3. Bidder shall not stipulate in the proposal any conditions not contained in the specifications unless specifically required by special instructions. Any proposal which fails to comply with the literal letter of these instructions and the specifications may be rejected.
4. When approximate quantities are stated, the Board of Water Works reserves the right to increase or decrease the quantity as best fits its needs.
5. Whenever requested, samples or descriptive material shall be filed with the bid/proposal.
6. The Purchasing Agent reserves the right to reject any and all bids for any or all items covered in the bid request, to waive informalities or defects in bids or to accept such bids as shall be deemed in the best interest of the Board of Water Works.
7. In determining the lowest responsible bid, the Purchasing Agent will consider all acceptable bids on a basis of the net price to be paid after deduction of any discount specified by the bid. Discounts will be figured from the date of receipt of invoice, subsequent to delivery, or in the case of incorrect invoice, from the date of receipt of corrected invoice.

8. The Board of Water Works will allow use of fax equipment for receiving bids and has developed the following guidelines:
 - a) Bids received on fax equipment will not be reviewed or evaluated upon receipt. The bid will be sealed until the designated bid opening date and time.
 - b) The Board of Water Works does not guarantee the availability or reliability of fax equipment; bidders choosing to use fax equipment do so at their own risk. Bidders should allow enough time prior to scheduled bid opening for access to fax equipment.
 - c) The Board will only accept bids that are fully received prior to the scheduled bid opening. Any bid that is printing at the bid opening time will be considered late and unacceptable.
 - d) Any bid received via fax equipment must be confirmed with an original copy including original signature within two business days of bid opening. Quotes not confirmed within this time period will be considered unacceptable. New or varied information will not be accepted in the follow-up original.
 - e) Purchasing Department fax number is 719/584-0202.
9. In submitting the proposal, vendor agrees that acceptance of any or all bids by the Purchasing Agent within a reasonable time period constitutes a contract. No delivery shall become due or be accepted unless a purchase order has been issued by the Purchasing Department.
10. All goods shall remain the property of the seller until delivered to and accepted by the Board of Water Works.
11. When a date is set for delivery, the material will be delivered on or before the specified date(s) or the Board of Water Works will have the right to cancel the contract for purchase of the material and proceed with purchase of equivalent material at market prices for immediate delivery and hold the bidder liable for any increase in price over and above the prices offered herein.
12. Seller agrees to defend and hold harmless the Purchaser, its customers and users of the material provided, against all loss, expense and damages, arising from bodily injury to any person, including death there from, and damage to property caused by any defective products supplied hereunder by the negligence or by the willful acts of seller, its agents or employees engaged in the manufacture, installation, delivery, erection, repair or operation of any equipment or material covered hereunder.
13. The successful bidder shall indemnify and save harmless the Board of Water Works against all claims for damages and any loss or expense, including attorney's fees, sustained by reasons of royalties, patent, trademark, or copyright infringement which may be involved in the manufacture or use of the material to be furnished.

BILL OF MATERIAL

COMPOUND WATER METERS
Annual Contract Bid Proposal

	<u>EST. USAGE</u> <u>(12 MONTH)</u>	<u>UNIT</u> <u>PRICE</u>	<u>TOTAL</u> <u>PRICE</u>
3" Compound Water Meter Flg w/electronic encoder register	4	_____	_____
4" Compound Water Meter Flg w/electronic encoder register	2	_____	_____
6" Compound Water Meter Flg w/electronic encoder register	1	_____	_____
		GRAND TOTAL	_____

Alternate #1, 12-month guarantee **exchange** value, brass cased meters:
3" _____/each exchange value
4" _____/each exchange value
6" _____/each exchange value

Please state the following:

Manufacturer & Model: _____

Terms of Sale: _____
(Unless a discount for early payment is offered, the Board's standard payment terms are net 30 days.)

Delivery: _____

Exceptions: _____

Have you included a guaranteed 12-month price listing of replacement parts? _____ Yes

The Board of Water Works reserves the right to award this contract separately for the lowest bid on each item listed above and to include the exchange value for meters shown below in Alternate #1. The Board will also consider warranty, performance, and maintenance history in determining the low acceptable quote

SPECIFICATIONS FOR
COMPOUND WATER METERS

GENERAL

All compound water meters shall comply with the American Water Works Association "Standard Specifications" #C702-01, or latest revision thereto, or except as noted herein.

Displacement meter section of compound meter shall be of the nutating disc design.

AFFIDAVIT OF COMPLIANCE

The manufacturer shall test each meter in accordance with the AWWA Procedure for Testing Cold Water Meters C702-01 or latest revisions thereto. Each meter shall be tested at the specified maximum, intermediate, and minimum rates of flow and shall be within the recommended accuracy limits for new meters. The manufacturer shall submit an affidavit of compliance and certificate of testing for accuracy and capacity of each meter to the Board of Water Works of Pueblo, Colorado, hereafter called "Board".

OUTER CASING

The outer casing of all compound water meters 3" through 6" shall be of bronze body construction. The quality of the bronze required in the outer casing for such meters shall be a non-ferrous material comparable to, but not less than 85-5-5-5% S.A.E. standard #40-ASTM-B62-49 and Federal Specification QQ-B-691A. The outer casing of 8" compound meters shall be cast iron, with minimum 10 mil interior epoxy coating.

REGISTERS

Registers shall be hermetically sealed and straight reading in U.S. gallons. The register sweep (gallons) hand shall be painted red. Numerals of the straight readers shall be black with a white background. Register box screws shall be drilled for seal wires 3/32" in diameter.

ELECTRONIC ENCODER REGISTERS (EER)

All compound meters must be equipped with a factory installed electronic encoder(s) that shall operate under at least ten (10) feet of water. All reading/sending units must be compatible for touch read, telephone, cellular phone and radio frequency meter reading technology. All EER sending units must include twenty (20') feet of 3-wire cable for initial meter pit touch read operation.

SERIAL NUMBER

Manufacturer's numbers shall be plainly stamped on the top of the register lid and on the outer case of the meter. Such numbers shall run consecutively for each meter in the group ordered.

SPECIFICATIONS - Continued

DISCS

All displacement meters shall be of a disc type. Displacement meters with flat disc plate shall be a three (3) piece construction, consisting of two (2) half balls and a flat disc plate. Such construction shall be of hard rubber and rubber shall be as near the specific gravity of water as possible. Discs may be of reinforced conical construction and shall have a monel or a #316 stainless steel thrust roller, and shall be firmly held together by threaded spindle. Such spindle shall be a monel or #316 stainless steel and shall be securely fastened in the assembled discs. Spindle shall further be removable and replaceable.

STRAINERS

All displacement meters 5/8" through 1-1/2" shall be provided with strainers of 30302F stainless materials and shall fit tightly to prevent movement.

CHAMBERS

Measuring chambers for displacement meters shall be of a corrosion resistant material of a quality not less than brass 85-5-5-5% S.A.E. Standard #40, ASTM-B62-63 and Federal Specification QQ-B-691A or latest revision thereto. Such chambers shall be removable or detachable from the outer case.

Chambers for flat disc, three-piece construction, shall be of a two-part, snap joint design. One and one half (1-1/2") inch measuring chamber assembly to be by screw. Such chambers shall have a monel or #316 stainless steel thrust roller insert that shall be removable and replaceable. They shall have a monel or #316 stainless steel division plate that shall be securely fastened to the chamber but shall be removable and replaceable.

Displacement chambers for reinforced conical discs shall be of a three-part construction of a top plate, chamber ring and a bottom plate. Assembly to be by screws; screws are to be stainless steel or monel. Such measuring chambers shall have a monel or #316 stainless steel division plate securely fastened to the chamber but shall be removable and replaceable. All measuring chambers shall accurately fit disc assemblies.

Chambers shall be secured in position so that any slight distortion will not affect the sensitiveness of the meter.

GEAR TRAINS

Intermediate gear trains shall be oil enclosed. Unless meter is of magnetic design, such lubricant to be lightly applied to gearing and shall not create drag due to over-application. Gears with revolving spindles shall have sufficient clearance to allow spindles to revolve freely. Bushings shall be fastened in place so as not to fall or work out, but shall be removable and replaceable.

SPECIFICATIONS - Continued

DRIVING PAWLS

The upper and lower driving pawls and spindles shall be a monel, #316 stainless steel or bronze. Driving pawls shall be securely fastened to the drive spindle in a manner preventing loss of pawl during operation of the meter.

TRIM

All trim (screens, screws, etc.) shall be an S.A.E. 30300 series stainless steel but not less than 3032F or monel. Plastic is an acceptable substitute for screens.

STRAINERS

Strainers shall be provided on displacement meters. Strainers on torrent or velocity sections are not required.

CASINGS

All meters shall have outer cases with separate removable measuring chambers. Castings shall not be repaired in any fashion. The inlet and outlet shall have a common axis.

ORIFICES

The displacement side of the compound meter shall be of a disc type as previously described and shall be so equipped that a limited flow of water will at all times activate the register when the torrent or velocity section is open. The small end of disc meter side shall not be a positive shut off type.

TORRENT SECTION

The chamber or cage for the torrent section shall be made of a bronze material comparable to, but not less than, 85-5-5-5% S.A.E. standard #40-ASTM-B62-63 and Federal Specification QQ-B-691A or latest revision thereof. The torrent section shall be self contained unit, firmly seated but easily detached and removed. The torrent section shall have monel, or 30300 series stainless steel trim, but not less than 30302F.

The size, model and direction of flow through the meters shall be cast in the outer casing of all meters. Meters composed of independent units in separate housings shall have this information cast on each unit. Meters shall be provided with tapped bosses for field testing purposes with 2" I.P. thread.

PRESSURE REQUIREMENTS

Meters supplied under this specification shall operate without leakage or damage to any part at a working pressure of 150 psi.

GUARANTEE

The manufacturer shall replace, without charge, those parts in which a defect has developed within 18 months from date of shipment or 12 months from date of installation, whichever period is shorter, upon return of the defective parts to manufacturer, or upon proof of defect. This warranty shall not apply, however, if the meter has been modified by the use of replacement parts not made by the manufacturer of the meter.

REJECTED METERS

The manufacturer shall, at their expense, replace or satisfactorily correct all meters rejected for failure to comply with this specification.

MISCELLANEOUS

The manufacturer (supplier) shall furnish one copy each of shop drawings, parts lists, material specifications, and operation/ maintenance manuals. Bid price shall be F.O.B. Warehouse, 707 W. 3rd Street, Pueblo, CO 81003.

The following compound water meters are approved and acceptable to the Board:

- Hersey Products, Inc. - Model MCT with unleaded gates, including valve trimming, complete with stop & check, on displacement side of meter
- Sensus - SRH Model, single register, high performance
- Neptune - Model Neptune Tru/Flo 3", 4" and 6"
- Badger - Recordall Compound Series 3", 4" and 6"

All the above meters are to be meet Board specifications.

In order to have other compound meters approved by the Board of Water Works, the following procedure must be adhered to:

- A) Submission of working samples per Board specifications for testing for a period of two (2) years. For the duration of the testing period, the Board requires the following from the prospective bidder:
 - For 3" approval - one 3" or one 4" meter
 - For 4" approval - one 3" or one 4" or one 6" meter
 - For 6" approval - one 4" or one 6" or one 8" meter
 - For 8" approval - one 6" or one 8" meter
- B) Detailed shop drawings and material specifications submitted.
- C) List of users in and out of the State of Colorado submitted.
- D) Outline availability, cost of parts and time required for delivery.

Effective Date: 7/22/10

SPECIAL CONDITIONS
FOR
ANNUAL CONTRACT FOR COMPOUND WATER METERS

GENERAL

These "Special Conditions" are, by reference, made a part of Bid Proposal.

BIDDING PROCEDURES

All meters shall be bid on a price per unit basis WITH AN ACCOMPANYING TWELVE (12) MONTH GUARANTEED PRICE LISTING FOR REPLACEMENT PARTS. The BOARD reserves the right to reject any offers bid in any other manner. The BOARD specifically reserves the right to award a contract on the basis of the low total bid for each item listed on the "Bill of Material" and to consider exchange value quotes in determining the low bid, if deemed in the Board's best interest.

CONTRACT PERIOD

Any Contract arising as a direct result of these proceedings shall be binding upon all parties thereto for a period of twelve (12) months, commencing immediately after award of the Contract by the BOARD.

QUANTITIES

Upon award of a Contract, the bidder hereby expressly agrees to furnish any and all water meters and accessories required by the BOARD in each of the sized listed on the "Bill of Material" and for which he has quoted prices, for the duration of the Contract period, and at the prices shown.

The BOARD agrees to purchase all of its requirements of water meters and accessories in each of the sized listed on the "Bill of Material", from the successful bidder, unless the successful bidder does not manufacture a type or size required by the BOARD.

EXPERIENCE TABLE

The Average Usage column of the "Bill of Material" will serve as the Experience Table for the purpose of this Contract and will hereinafter be referred to as the "Experience Table". The units listed on the "Experience Table" represent the average annual anticipated usage for the contract period.

The "Experience Table" is intended for bidder's use as an aid in determining approximate quantities being considered. It is not intended that these figures be used as a final determinant in establishing quantities intended, either expressed or implied.

TABULATION OF BIDS

Tabulation of bids and subsequent award of Contract will be accompanied by multiplying the price per unit offered by the bidder by the total number of units of that size.

SPECIAL CONDITIONS - Continued

ORDERING PROCEDURES

The BOARD will place an F.O.B. delivered basis order with all transportation charges to be prepaid and allowed. Shipments must be made in accordance with the lead time data shown by the bidder on the "Bill of Material".

SHIPPING INSTRUCTIONS

All meters purchased shall be delivered to a location in Pueblo specified by the BOARD. Vendor must notify the Warehouse at 584-0242, at least 16 hours prior to delivery. No shipments accepted on holidays or weekends, unless requested by Purchaser.

BID MAILING INSTRUCTIONS

Bids which are hand carried to the opening are to be delivered to Purchasing Dept, 319 W. Fourth, Pueblo, Colorado 81003. Bids which are mailed to the opening are to be mailed to BOARD OF WATER WORKS OF PUEBLO, COLORADO, ATTN: PURCHASING DEPT, P.O. BOX 400, PUEBLO, CO 81002-0400. Bids must be plainly marked on the outside of the envelope, Bid - Compound Water Meters.