

**SECTION 00100  
ADVERTISEMENT FOR BIDS**

CALAVERAS COUNTY WATER DISTRICT  
JENNY LIND WATER TREATMENT PLANT  
PRETREATMENT IMPROVEMENTS PROJECT

Separate sealed Bids for construction of the Jenny Lind Water Treatment Plant Pretreatment Project will be received at the office of the Calaveras County Water District at 120 Toma Ct., San Andreas, CA 95249 **no later than 2:00 PM local time on October 10, 2017**, at which time Bids will be publically opened and read aloud.

The Jenny Lind Water Plant has a 6 million gallons per day capacity with existing treatment processes including raw water pumps, ozone/ozonation, adsorption clarifiers, gravity filters, and disinfection. Raw water supplied from New Hogan reservoir is withdrawn downstream of the dam from the river via an infiltration gallery. As a result of the Butte Fire, runoff from the burn area and damage to the watershed have significantly impacted raw water quality and the District's ability to reliably produce drinking water due to organic matter and turbidity. To address impacts, the District obtained funding through Cal-OES/FEMA for purchase and installation of a packaged pretreatment system. While it is manufactured off-site and shipped to the job site for installation, significant construction must be done to prepare the site.

The scope of work for the project is summarized as follows:

- 1) Site work consisting of demolition of existing metal building and reinforced concrete slab foundation, sawcutting/removing existing paving, tree and stump removal, removing/salvaging existing AC unit, and other demolition, removing existing and furnishing/installing new septic tank and extending sewer service lines and cleanouts, excavation/construction of underground site drainage piping and drop inlets, site grading and earthwork for construction of new retaining wall and associated site backfill, placement of filter fabric, rip rap and new hot mix asphalt paving.
- 2) Construction of process piping, fittings, valves, and appurtenances, both above ground and buried including excavation, backfill and compaction for installation of: a) 18", 20" & 24" diameter piping separate inlet and outlet lines/connections between the new pretreatment unit and existing raw water line, and b) 3", 4" & 6" diameter piping from pretreatment system waste and drain lines connected to existing solids thickener center feedwell and decant line.
- 3) Excavation, formwork, placement, finishing and curing of steel reinforced concrete slabs on grade, wetwell, underground footings, vertical walls, equipment pads, vaults and other miscellaneous concrete work as shown on the project drawings. Maintain a contained/controlled concrete washout area for concrete trucks after delivery and placement of concrete.
- 4) Provide metal grating, stairs, handrails, ships ladder, vault covers, and other miscellaneous metals.
- 5) Furnish/install new pretreatment unit and ancillary equipment (recirculation pumps, mixers, scrapers, hydrocyclones, sand cone hopper, etc.) as supplied by manufacturer. Also, upon delivery, provide a crane of size/capacity rating to unload and set/place pretreatment unit.
- 6) Furnish/install three (3) new variable speed process pumps with 25-hp motors, setting pumps and anchoring bases, construction of 12" intake and 10" discharge piping including associated fittings, valves (check, isolation, air), and other appurtenances.

- 7) Construction of coagulant, polymer and permanganate chemical feed systems including fiberglass building, eyewash, polymer storage tank, polymer blending system, inline mechanical mixer, static mixer (inside underground vault), chemical injection quills, metering pumps, chemical feed tubing, and secondary containment piping. For secondary containment casing/piping, provide excavation and backfill for buried/underground installation.
- 8) Perform upgrade of PG&E main electrical service entrance. Demolish/remove existing 1000 amp main switchboard, existing power distribution sections, and existing 1200 amp automatic transfer switch (ATS) inside the existing generator building. Furnish/install new 1600 amp meter main switchboard (MMS) in outdoor enclosure and new 1600 amp ATS located inside the existing generator building and new power distribution switchboards (PDS-1 & 2) also inside the building. Provide required grounding and ground rods. Demolish/remove existing cast in place concrete transformer pad and replacing with standard 106"x90" precast pad and furnish/install new underground secondary conduits from transformer to MMS. PG&E to provide/set new 1000 KVA transformer and install secondary conductors to MSS. Contractor to furnish/install all conduits (buried/exposed) and conductors from MSS to complete electrical connections to new ATS and new distribution switchboards. Contractor shall furnish and install required barrier posts. All distribution loads shall be disconnection and reconnecting by Contractor. All coordination and scheduling with PG&E is the responsibility of the Contractor.
- 9) For pretreatment unit, install new outdoor control panel supplied by manufacture, and provide new outdoor motor control center with three variable frequency drives for process pumps and control CP-200 relay section. Both control panels to have seismic anchoring to cast in place concrete equipment pads and protected by barrier posts. Provide all electrical conduits (buried/exposed) and conductors for control and distribution panels to complete connections to new pretreatment unit, process pumps, polymer building, and other new facilities.
- 10) Perform successful startup and testing of all systems and equipment for pretreatment system components, electrical panels, pumps, valves, chemical systems, etc. Coordinate startup and testing with various equipment manufacturers including coordination of final performance certification testing of the pretreatment system.

The Contract Documents may be examined at the following locations:

**Calaveras County Water District**

120 Toma Court  
San Andreas, CA 95249  
(209) 754-3181

**Dodge Data & Analytics**

3315 Central Avenue  
Hot Springs, AR 71913  
(530) 674-2805

**Builders Exchange of Stockton**

7500 West Lane  
Stockton, CA 95210  
(209) 478-1000

**El Dorado Builders Exchange**

3430 Robin Lane, Suite 7  
Cameron Park, CA 95682  
(530) 672-2955

**Valley Builders Exchange**

1118 Kansas Avenue  
Modesto, CA 95351  
(209) 522-9031

**Placer County Builders Exchange**

10656 Industrial Ave, Suite 160  
Roseville, CA 95678  
(916) 771-7229

**Sacramento Regional Builders Exchange**

1331 T Street  
Sacramento, CA 95811  
(916) 442-8991

**Bay Area Builders Exchange**

2440 Stanwell Drive, Suite B  
Concord, CA 94520  
(925) 685-8630

**Central CA Builders Exchange**

1244 N Mariposa Street  
Fresno, CA 93703  
(559) 237-1837

Copies of the Project Manual and Drawings will be available by **August 30, 2017** and may be obtained at the office of the Calaveras County Water District located at address listed below and upon payment of **\$80.00** (non-refundable) for each set. Recipient shall pay all charges for postage, FedEx, UPS, etc.

Requests for further information or questions concerning these documents should be directed to:

**CALAVERAS COUNTY WATER DISTRICT**

120 Toma Court  
P.O. Box 846 *(for all U.S. Mail)*  
San Andreas, CA 95249  
Phone (209) 754-3181 / Fax (209) 754-9620  
Attn: Tami Bennett-Kirby

A **mandatory** pre-bid meeting/job walk will be held on **September 20, 2017 starting at 10:00 AM** at the entrance of the Jenny Lind Water Plant at 3516 Silver Rapids Road Valley Springs, CA 95252. Bidders are required to inspect the work site prior to submitting a bid. Access to the water plant is otherwise restricted and bidders should not enter the property without permission.

All contractors and subcontractors must be registered with the California Department of Industrial Relations (DIR) pursuant to Labor Code Section 1725.5 to be qualified to bid on this project or to be listed as a subcontractor for this project pursuant to Public Contract Code Section 4104.

This project is partially funded by FEMA/Cal-OES and bid/award, all subcontracts and other subawards related to performance of work under this agreement subject to Federal Provisions 44 CFR, Part 13, Subpart C, Sections 13.36 (i) (1) through (13). Furthermore, not less than prevailing wages shall be paid in accordance with the Davis-Bacon Act (40 U.S.C. 276-a-7).

Date of Initial Advertisement: August 24, 2017.

**CALAVERAS COUNTY WATER DISTRICT**

*Charles Palmer Jr*

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Charles Palmer, P.E.  
District Engineer