

ADVERTISEMENT FOR BIDS

Solicitation No. 405634

PROJECT: Nansemond Treatment Plant Struvite Recovery Facility Improvements (NP013700) and Nansemond Treatment Plant Digester Capacity Upgrades (NP014700)

LOCATION: Suffolk, Virginia

ENGINEER: Hazen and Sawyer, 4500 Main Street, Suite 500, Virginia Beach, Virginia

The Hampton Roads Sanitation District (HRSD) will receive electronic Bids for the above referenced project online through HRSD's Online Oracle ERP system (<https://www.hrsd.com/engineering-task-submittals>) by ~~March 29, 2022~~, April 26, 2022, no later than 2:00 p.m. local time. Failure to submit a Bid through HRSD's Online Oracle ERP system prior to the due date and time will be cause for rejection by HRSD. Interested firms can attend the virtual bid opening at the following link [Bid Opening](#) or calling +1 757-524-3781,] and using Conference ID 368416129#.

Procedures for submitting a Bid, claiming an error, withdrawing of Bids and other pertinent information are contained in the Instructions to Bidders. HRSD reserves the right to reject any or all Bids, waive any informalities, or negotiate with the low bidder as described in the Instructions to Bidders.

Bid Documents may be viewed by logging into HRSD's Online Oracle ERP system. All Bidders must be registered in advance of submitting a Bid. Technical questions should be submitted through HRSD's Online Oracle ERP system as an online discussion. A link to the How-To Guides is available at the bottom of the webpage link above to assist with navigating the HRSD online system. Additional questions related to submitting a Bid or using the online system should be directed to the ERP HelpDesk at erphelp@hrsdc.com or 757-460-7318 or Rebecca Ashley at rashley@hrsdc.com.

Contractor registration in accordance with Title 2.2, Chapter 43 and Title 54.1, Chapter 11, Code of Virginia is required.

The Project or Work for Nansemond Treatment Plant Struvite Recovery Improvements (NP013700) includes consists of, but is not limited to, the following upgrades: Increasing capacity of the Struvite Recovery Facility by installing a Pearl 2K reactor along with ancillary equipment, expanding the electrical room, installation of an independent drain pump station and building an external product storage building; Implementing Waste Activated Sludge Stripping (WASSTRIP) within the solids handling treatment train which requires the retrofit of four existing concrete reactors into six independent reactors and installation of vertical turbine mixers and instrumentation, various pumping, and piping modifications to the Thickened Waste Activated Sludge / Thickened Primary Sludge (TWAS/TPS) systems; Construction of a Pre-Dewatering Building to house two pre-dewatering centrifuges, two cake pumps, pre-dewatering emulsion polymer system, and three positive displacement blowers; and these upgrades include all yard piping, stormwater, erosion and sedimentation control, HVAC, Odor Control, electrical and instrumentation upgrades required to install the equipment.

The Project or Work for Nansemond Treatment Plant Digester Capacity Upgrades (NP014700) consists of, but is not limited to, the following upgrades: Demolition of the existing digester mixing system, heating system, and gas handling/transfer system for each digester while keeping one digester in

service; Installation of new digester nozzle style mixing system, gas handling and transfer system, digester boilers and heat exchangers, and flare system. The demolition and construction of the digester upgrades will require temporary heating, mixing, and power facilities; Construction of a sidestream nitrogen removal system, including concrete tankage, submersible mixers, coarse bubble diffusion system, and instrumentation and control; Construction of new concrete centrate equalization tankage along with modifications to centrate piping, addition of centrate recycling and inline polymer mixing and anti-foamant systems to the dewatering centrifuge system; and these upgrades include all yard piping, stormwater, erosion and sedimentation control, HVAC, Odor Control, electrical and instrumentation upgrades required to install the equipment.

A virtual pre-bid conference will be held on March 7, 2022 at 2:00 p.m. local time at the following link [Pre-Bid Conference](#) or calling +1 757-524-3781 and using Conference ID 58832476#. Attending the conference shall not be mandatory for those submitting a Bid. A site visit will be provided one hour following the virtual pre-bid conference.

A Bid Bond in the amount of 5 percent of the Bid shall be submitted electronically with each Bid.