



State of Alaska
Department of Environmental Conservation
Village Safe Water Program

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October 10, 2022

To: Vendor List

Re: Amendment 5
ITB 23-VSW-TLT-005
Tuluksak Water Treatment Plant/Washeteria Building Modules
ITB Due Date: October 13, 2022 @ 2:00 PM AST

The following are vendor questions and the department's response:

1. Vendor: [REDACTED] requests that the Bid Schedule, page 3 of 3, Bid Item G be removed from the Fabricators scope of work. With the modules being assembled and tested at our fabrication facility the awarded Install Contractor will be able to walk through the completed modules. This will remove the need to provide flights, housing, and food for the fabricators Architectural, Electrical, and Mechanical personnel as well as the Installers Architectural, Electrical, and Mechanical Personnel. [REDACTED] requests that Bid Schedule, page 3 of 3, Bid Item F is changed to "Technical assistance to installing contractor to connect the modules (Structural, Architectural, Electrical, and Mechanical connections).

Department: The Fabricator contractor shall choose one the following two options:

1. send the appropriate tradespeople to Tuluksak (New Bid Item G.1 On-site Construction, formerly G) to complete the various connections and test the systems once the Installing contractor places the modules, secures them together and constructs the roof.

Or,

2. fully assembling the modules and testing them in the presence of the Engineer and Installing contractor and then draining and disassembling them prior to shipment and providing the various connectors, jumpers, flexible connections, fasteners, etc. along with onsite technical assistance for their installation to the Installing contractor (New Bid Item G.2 On-site Technical Assistance).

Whichever option the contractor chooses, the Fabricator contractor will provide assistance (an assembly technician) to the Installing contractor to connect the modules (Bid Item F) and have a one or more technicians and a certified manufacturer's representative for the laundry equipment onsite to participate in startup and commissioning of the completed building (Bid Item H). The Fabricator contractor shall be responsible for the repair of any defects discovered during the commissioning process as well as the warranties for all equipment purchased and installed by the Fabricator contractor.

Section 00020 Scope of Work has been revised to reflect the above changes. See attached revised Scope of Work. New text is highlighted in yellow, and deleted text is shown with strike-through font.

Bid Schedule: See attached revised Bid Schedule that has been revised to reflect the above changes. Changes to the descriptions quantities and units are highlighted in yellow. Bidders must use the attached revised bid schedule.

Drawings: If a Bidder decides to go with the option of providing technical assistance (Bid Item G.2 On-site Technical Assistance) rather than send tradespeople to complete the various building systems (Bid Item G.1 On-site Construction), then the following drawing notes will be revised to reflect that the components to be provided by the Fabricator contractor will be installed/insulated/etc. by the Installing contractor with technical assistance from Fabricator contractor:

- M131 – Sheet Note 1
 - M303 – Sheet Note 4
 - M304 – Sheet Note 2
 - M401 - Sheet Note 1
 - M403 – General Note 2
2. Vendor: In 00020 page 3 of 4 Scope of Work: the Contractors scope is defined per NTP 1 & NTP 2. Page 4 of 4 speaks to 14 items that the Contractor is not to include in their expensing. Section 01 10 00 – 1 Summary 1.2 Roles and Responsibilities B and 1.5 Work Sequence A reads to be in conflict with 00020. Please clarify the starting and stopping point concerning the Contractors duties in NTP 1 and NTP 2?

Department: The starting and stopping points for the Fabricator contractor are per the revised Section 00020 Scope of Work. The Section 01 10 00 Summary is for the complete project and describes the work to be completed by both the Fabricator contractor and the Installing contractor. Where the word "Contractor" is used in Section 01 10 00 it shall mean the Installing contractor. Per the revised Section 00020 Scope of Work, the Installing contractor will be responsible for field construction of the building roof structure (framing, sheathing, metal roofing, aluminum soffit panel), and the associated solar system, snow stops, dryer intake louver, roof penetrations, and duct work, boiler flues, vent piping, electrical and insulation in the attic space. Except for providing the metal siding for completion of the dormer, eaves and gable ends of the building (see General Notes on Drawings A200 and A201), the Fabricator contractor's work shall stop at the top of the double 2x4 nailers on top of the ceiling structure (see Drawing S301). The extent of onsite work by the Fabricator contractor will be a function of whether the bidder chooses to send out tradespeople (Bid

Item G.1 On-site Construction) or provide technical assistance (Bid Item G.2 On-site Technical Assistance) to complete the building systems. See Department response to Question 1.

Evan Patterson

A handwritten signature in cursive script that reads "Evan Patterson".

Procurement Specialist

SCOPE OF WORK – Amendment 5

For purposes of this ITB scope of work the resulting contractor awarded this bid is referred to as the “fabricator contractor”. The contractor awarded a not yet solicited ITB to ship and install the modular units is referred to as the “installing contractor”. See attached drawings and specifications for further information. The Scope of Work includes Phase 1 and Phase 2.

Phase 1 / Notice to Proceed 1: The fabricator contractor shall fabricate the water treatment plant and washeteria modules (modules) and ship them to the F.O.B. Point. The limit of work for plumbing, mechanical, and electrical building envelope penetrations shall be 2-inches below the building soffit for plumbing penetrations, nearest valve for mechanical piping, terminal hood, wall cap or stack cap for vent and HVAC penetrations, and a GUA box, junction box, or LB for most electrical penetrations. The holes through the walls, ceiling, and floor shall be cut or drilled and covered by the fabricator contractor prior to shipment. All components to complete the boiler flues, vents, HVAC ductwork, exterior lighting, and other miscellaneous fixtures or controls (outdoor air thermostat, alarm strobe, etc.) to be mounted to the exterior of the building shall be shipped with the modules to Tuluksak, Alaska and be installed by either;

1. the fabricator contractor (Bid Item G.1 – On-site Construction), or
2. the installing contractor with on-site technical assistance from the fabricator contractor (Bid Item G.2 – On-site Technical Assistance) in Tuluksak, Alaska.

Items that cannot be securely braced in their permanent location prior to substantial completion must be securely anchored within the modules to prevent any damage.

Fabrication of the modules will occur at the fabricator contractor’s facility and not on-site in Tuluksak, AK. Therefore Title 36 Public Contracts requirements do not apply to Notice to Proceed 1.

Notice to Proceed 1 Schedule:

1. Substantial completion – The modules shall be substantially complete and ready for inspection no later than March 20, 2023. Substantial completion for Phase 1 shall mean that all architectural, structural, mechanical, and electrical work that can reasonably be completed and tested prior to shipment is finished. The goal is to minimize the amount of on-site work in Tuluksak (Phase 2). The department and installing contractor will conduct an inspection of the modular units prior to the modules being shrink wrapped for shipment and delivery to the Port of Anchorage.
2. Final completion - The modules (including any punchlist items identified during the substantial completion inspection) shall be completed and delivered to the Port of Anchorage no later than April 20, 2023.

Phase 2 / Notice to Proceed 2: The issuance of Notice to Proceed 2 for Phase 2 work is at the department’s sole discretion. Phase 2, G.1 On-site Construction is subject to Title 36 Public Contracts requirements. G.2 On-site Technical Assistance does not involve construction and is exempt from Title 36 Public Contracts requirements.

Work to be performed by the fabricator contractor will include the following Tasks. Bidders must choose to either complete Tasks 3, 4, and 5 with its own tradespeople (G.1 On-site Construction) or provide onsite technical assistance to the installing contractor (G.2 On-site Technical Assistance). If a bidder chooses G.1 On-site Construction, then the bidder must complete Bid Schedule Item G.1 and enter \$0.00 for Bid Schedule Item G.2. If a bidder chooses G.2 On-site Technical Assistance, then the bidder must complete Bid Schedule Item G.2 and enter \$0.00 for Bid Schedule Item G.1.

Fabricator contractor Tasks:

1. Traveling to the project site in Tuluksak, Alaska. When completing the bid schedule bidders shall assume seven roundtrip flights (one for Bid Item F, four for Bid Item G.1 or G.2, and two for Bid Item H) will be required. Up to four rooms are available for rent at the project camp. The rate is \$75 per person per day payable to the Tuluksak Native Community.
2. Providing technical assistance to installing contractor to connect the modules (Structural connections).
3. Providing G.1 On-site Construction or G.2 On-site Technical Assistance for completion of the interior and exterior architectural finishes at the module connections (walls, ceiling, and floor).
4. Providing G.1 On-site Construction or G.2 On-site Technical Assistance for completion and testing of the building electrical (Main Distribution Panel “MDP” to instrumentation and equipment terminations), control, and SCADA systems. Power to test the systems will be provided by the installing contractor.
5. Providing G.1 On-site Construction or G.2 On-site Technical Assistance for completion and testing of all building plumbing and mechanical systems including but not limited to the laundry equipment, piping and vents in the attic space,

and the thru roof penetrations. Water, glycol, power, and fuel to test the systems will be provided by the installing contractor.

6. Providing a certified manufacturer's representative for startup and commissioning of the laundry equipment.
7. Onsite coordination with a third-party commissioning agent provided by the Installing contractor (see below Installing Contractor Responsibilities) for startup, testing and calibration of the fully assembled laundry, plumbing, mechanical, process, SCADA and electrical systems in the completed building. If G.1 On-site Construction is provided for Tasks 3, 4, and 5, assume the electrician and plumber will need to make a separate second trip to Tuluksak for this task. If G.2 On-site Technical Assistance is provided for Tasks 3, 4, and 5, assume the technician(s) will need to make a separate trip for this task.

Notice to Proceed 2 Schedule:

1. The NTP for Phase 2 will be issued upon substantial completion of NTP 1.
2. The fabricator contractor's assembly technician shall arrive at the project site in Tuluksak, Alaska two (2) calendar days before the installing contractor starts to place and connect the modules on the building foundation, and the assembly technician shall remain onsite until all the modules are set in place and connected.
3. Substantial completion - Tasks 3, 4, and 5 shall be completed within 30 calendar days of the installing contractor completing the building roof.
4. Final completion shall be within 30 calendar days of completing Task 6 and 7.

Installing Contractor Responsibilities: The department's installing contractor will be responsible for but not limited to completing the following work. The following work is not part of this ITB scope of work. Do not include the cost of these items in this ITB.

1. All site work including construction of the gravel pad, building foundation, stairs, ADA ramp and landings, 3-phase power extension to building, the well, 100,000-gallon water storage tank, community watering point, wastewater lift station, 12,000-gallon fuel tank, backup generator, power plant heat recovery system, and all associated piping for these facilities, including the arctic pipe drain/waste lines under the building.
2. Transport of the modules from the Port of Anchorage, AK to Tuluksak, AK, and placement and connection of the modules on the building foundation.
3. Construction of the building roof and all associated framing, metal roofing, roof supports, insulation, flashing, trim and snow stops.
4. Installation of the building electric service from the weather head to the Main Distribution Panel, including the meter main (service), meter main (solar), manual transfer switch and the Photovoltaic (PV) panel. See limits of work shown on drawing sheet E002.
5. Installation of the roof top solar system and connection to the PV panel.
6. Connection of the site piping to the various building systems.
7. Installation of the exterior electrical conduits, conductors, and controls for the well, water storage tank, community watering point, sewage lift station, 12,000-gallon fuel tank, backup generator, and heat recovery equipment in the power plant.
8. Installation of the Package Water Treatment System and associated housekeeping pads, equipment, piping, controls, and electrical connections.
9. Installation of the process piping, valves, laboratory instruments and supplies, instrumentation, pumps, tanks, miscellaneous equipment, housekeeping pads, control wiring, and Monnit sensors in Modules 4 and 5 and shown on drawing sheets D001 through D701. All the other mechanical and electrical work in Modules 4 and 5 remains a part of the fabricator contractor's work.
10. Installation of control panels: PPCP, WP/WSTCP, FSCP, and WGHCTP in Module 4, and control panel LSCP in Module 3. The other control panels: DSCP, FGHCTP and BAP remain a part of the fabricator contractor's work.
11. Testing of the well, Package Water Treatment System, water storage tank, community watering point, sewage lift station, 12,000-gallon fuel tank, backup generator, and heat recovery equipment in the power plant.
12. Providing a certified manufacturer's representative for startup and commissioning of the backup generator.
13. Onsite coordination with the manufacturer's representative for startup and commissioning of the Package Water Treatment System.
14. Onsite coordination with a third-party commissioning agent for startup, testing and calibration of the fully assembled well, Package Water Treatment System, 100,000-gallon water storage tank, community watering point, wastewater lift station, 12,000-gallon fuel tank, power plant heat recovery equipment, and the backup generator.

STATE OF ALASKA
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
BID SCHEDULE
Amendment 5

Project Name: Tuluksak Water Treatment Plant/Washeteria Building Modules **ITB Dated:** 8/29/2022
Project Location: Offsite and Onsite
DEC Project No.: 23-VSW-TLT-005

Company Name: _____

Before preparing this bid schedule, read carefully Information to Bidders. Bidders must use this form to submit their bid cost. In order to be considered responsive Bidders must bid on all items in the bid schedule (Phase 1 and Phase 2). Bidders shall not modify this form. Do not enter additional information on this form.

Bid Item	Description	Quantity	Unit	Extended Cost
A	Phase 1: Modular Construction Off-Site-General Conditions	1	Lump Sum	\$
B	<p>Phase 1: Off-Site Construction, Inspection and Testing of Modules 1, 2, 3, 4 and 5.</p> <p>Note that the Package Water Treatment System, process piping, valves, laboratory instruments and supplies, instrumentation, pumps, tanks, miscellaneous equipment, and associated housekeeping pads, control wiring, and Monnit sensors to be installed in Modules 4 and 5 and shown on Drawing sheets D001 though D701 are not included. Control panels PPCP, WP/WSTCP, FSCP, WGHCTP, and LSCP are also not included.</p>	1	Lump Sum	\$
C	Phase 1: Delivery to the F.O.B. Point	1	Lump Sum	\$
D	Phase 1 Bid total amount (A+B+C = D)			\$

Bid Schedule continued next page.

Bid Item	Description	Quantity	Unit	Unit Cost	Extended Cost
E	Phase 2: Modular Construction On-Site-General Conditions including Task 1 - Travel to Tuluksak, AK	1	Lump Sum		\$
F	Phase 2: Task 2 - Technical assistance to installing contractor to connect the modules (Structural connections)	10 (Includes travel time)	Person-Day	\$	\$
G.1	Phase 2: Task 3 through 5 - On-Site Construction. If bidder enters amount for Bid Item G.1 then enter \$0.00 for Bid Item G.2. See amendment 5 scope of work.	1	Lump Sum		\$
G.2	Phase 2: Task 3 through 5 - On-Site Technical Assistance to the installing contractor. If bidder enters amount for Bid Item G.2 then enter \$0.00 for Bid Item G.1. See amendment 5 scope of work.	28	Person-Day	\$	\$
H	Phase 2: Task 6 and 7 – Onsite coordination during, startup, testing and calibration of the building systems; and providing a certified rep for the laundry equipment	9 (Includes travel time)	Person-Day	\$	\$
I	Phase 2 Total Amount (E+F+G.1 or G.2+H = I)				\$
J	Total Unadjusted Bid Amount (D+I = J)				\$
K	MBE/WBE Preference (5% of J), or blank (\$0) if not applicable.				\$
L	Total Adjusted Bid Amount for evaluation purposes only (J-K = L)				\$