MIDWESTERN STATE UNIVERSITY
Office of Purchasing/Contract Management
3410 Taft Boulevard Wichita Falls, Texas 76308-2099

October 17, 2023

ADDENDUM ONE (1)

RE: RFP 735-2023-4381 Central Plant Boiler Replacement Project

TO WHOM IT MAY CONCERN,

Please see the response to the question submitted below:

1. …could you tell me when you are planning on starting this Central Plant Boiler Project and what the projected end date is. December 1 at the latest to start. Completion by 11/1/24.

Please note: Bidders will need to submit a viable work schedule with an anticipated PO issuance date no later than 11/30/2023.

The following comments/questions were forwarded to Purchasing; MSU's responses are shown in bold and underlined after the relevant statement.

1. ASME performance Test Code PTC4.1 as referenced in 23 52 39 page 305 section 2.1B, 23 52 39 page 321 section 3.8.F.1 through 10, and 23 52 39.11 page 326 sections 3.1.F, G, H, I.
   a. This test will require the following test equipment and revised piping:
      1) Steam Flow Meter. 23 52 39.11 page 324 section 1.7.A.
      2) Steam Quality Meter. 23 52 39.11 page 326 section 3.1.G
      3) Gas Flow Meter.
      4) Boiler Feedwater Meter
      5) Additional Steam Piping to include a by-pass line and Steam Silencer to vent all excess steam thru the roof for the duration of the testing. This will require additional roof penetration and modifications to the steam piping that is not currently indicated in the drawings. See 23 52 39 page 322 section 3.8.F.8.
      6) This will add 5 additional days of startup.

   MSU Response: Bidder to provide separate line item pricing as a deduct in case MSU decides not to pursue this testing.

2. Operational test per 23 52 39.11 page 326 section 3.1.E.
   a. This is an additional test that will require 72 hours of continuous running and running at high fire that will require us to vent the steam utilizing the Steam Silencer as noted above.
   b. This will add 3 additional days of startup.

   MSU Response: Bidder to provide separate line item pricing as a deduct in case MSU decides not to pursue this testing.

3. Commissioning testing per 23 52 39.12 page 328 sections 1.01 through 4.11.
   a. This is an additional test that will require 2 weeks of continuous running and running at all firing rates that will require us to vent the steam utilizing the **Steam Silencer** as noted above.

   MSU Response: Bidder to provide separate line item pricing as a deduct in case MSU decides not to pursue this testing.

4. Additional items not currently installed on existing boiler:
   a. O_2 Trim.
   b. High Stack Temperature PLC Alarm package.
   c. Motorized Stack Damper (existing damper is manual).

   MSU Response: Bidder to provide separate line item pricing as a deduct for EACH of the above systems in case MSU decides not to pursue their installations.

   d. Burner Panel mounted 10" color touchscreen. There will be a 10" touchscreen on the 2-boiler lead lag panel and having (2) touchscreens will be redundant. Also note this lead/lag panel is not clearly defined. Reference 23 52 39 page 315 section 2.7.K.5.d.

   MSU Response: No second panel required for the project. Only the one panel that comes with the boiler standard controls package described on the drawings is required.

5. Weishaupt burner to match existing:
   a. Specifications do not call out this burner as a requirement that is currently installed on the existing boiler. The specification does not call out to provide a similar high turndown burner to match existing. The specifications seem to allow other manufactures with less turndown 6 to 1; reference 23 52 39 page 309 section 2.3.E.1.
      a. With a 6 to 1 turndown the boiler will not run below 170 HP without cycling.

   MSU Response: Equivalent burners to the baseline Weishaupt burner can be submitted.

   b. The current boiler/burner has a 10 to 1 turndown. Thus, we can run at low was 80 HP without cycling, The New Boiler with the Weishaupt burner has a true 10 to 1 turndown. Thus, the new boiler would run at 100 HP without cycling.

   MSU Response: The new boiler shall have a 10:1 turndown ration as called out on the drawings.

In an effort to assist primary contractors with identifying HUB vendors, instructions on how to look up vendors using the State of Texas Comptroller's **Centralized Master Bidders List (CMBL)** have been included. Please see the attachment included with this addendum.

Please remember to acknowledge this addendum on the Addenda Checklist.
Regards,

Joseph J. Mrugalski Jr.
Purchasing/Contract Management