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ADDENDUM NO: 2

IFB/RFP No: ITB NKU-43-2021

Project /Commodity: Switchgear Replacement

Date: 08/2/2021

Due Date: 08/12/2021 @ 2PM ET

BIDDER/RESPONDER SHALL CONFORM TO THE FOLLOWING CHANGES AS SAME SHALL BECOME BINDING UPON THE CONTRACT TO BE ISSUED IN RESPONSE TO THIS INVITATION FOR BID.

The following modifications to the Bidding and Contract Documents for the referenced project shall hereby be incorporated into the Work described, and their effect on the bidding shall be reflected in the Bidder's Form of Proposal. Bidder shall verify receipt of Addendum on the Form of Proposal. Bidder is cautioned to read entire Addendum, as a definite order does not necessarily follow, and to check that all pages of Addendum have been included in Bidder's copy of Addendum.

Please take note of dates changes:

1. Project completion date change from ~~01/03/2022~~ to **01/03/2023**
2. ITB Due Date change from ~~08/05/2021~~ to **08/12/2021**

BIDDER QUESTIONS AND ANSWERS

Q: ATSFP: In January UL changed the testing requirements for these products covered under UL1008 and we cannot locate anyone who manufacturers them. Is a new controller with and an ATS acceptable? Please provide model number, starting method, start/stop options needed.

A: Based on this information a new fire pump controller shall be installed in place of ATSFP replacing the existing fire pump controller. Model shall be equivalent to Firetrol Model FTA1930-AM50B Solid State Soft Start, reduced voltage starting method, Fire Pump Controller rated 50HP 460V/3/60. Provide new 15A/3P circuit breaker in new 480V distribution to feed the jockey pump controller directly. Provide (3) #12 and (1) #12 GND in 3/4" conduit. Rework all piping, wiring, conduit, controls, etc. to replace the existing fire pump controller and make operational as the existing currently operates.

Q: Does this project have an engineer's estimate?

A: An engineer's estimate has been provided to the university and at their discretion will release.

Q: It appears the MVS lineup is based on SqD HVL-CC SF6 switch design, and matching the existing layout is important. Would an air insulated narrow MVS design be acceptable if we can hit the required layout, or is the client set on SF6/HVL-cc?

A: The Square D HVL/CC switches were used as basis of design. If you can provide an air switch with minimal impact to size or wider switches are made up in narrower transformer, this is acceptable to design. UnitSubstation layout shall still work with existing conduits coming up through the floor. If Square D also has this capability without going to SF6 switches they may submit that solution.

Q: Do the substation Transformers need to be 95kVBIL? Standard for 15 kV primaries is 60kV BIL, 95kV will increase width of the Transformers by 6" Each.

A: 95kV BIL is required.

Q: Do SPD's need to be 200kA per mode (400kA per phase) This will require the SPD's to be mounted outside the switchboard, added cabling and bend will result in increased clamping voltages (poorer performance). We can

provide 120kA per mode /240 kA per phase mounted to the I-Line bus stacks at the factory reducing installation costs and maximizing performance.

A: This reduction in SPD level is acceptable for the project and for all bidders.

Q: Do the two primary switches need key interlocks, if so please provide the key exchange that we will need to match for proper function of your overall LOOP scheme.

A: The two current loop switches do not have a key interlock on them, but the two new loop switches in the design should have kirk key built into the switches. The university in working with Jeff Jones will determine keying required.

DRAWING CHANGE(S)

1. E-102: ELECTRIC POWER AND LIGHTING PLANS – BASEMENT
    a. T-UPS and disconnect UPS1 and associated feeders through the new unit substation are being removed through another project. Reworking feeders and relocating disconnect switch scope is not required as it will be demolished by another contractor.

SPECIFICATION CHANGE(S):

1. None.

End of Addendum