

UNIVERSITY OF NORTH DAKOTA
UND Procurement Services
Twamley Hall, Room 409
264 Centennial Drive Stop 8356
Grand Forks, ND 58202-8356

SOLICITATION AMENDMENT

March 11, 2021

SOLICITATION NUMBER AND TITLE: 081-2021, Variable Frequency Drive (VFD)

AMENDMENT NUMBER: 1

The above referenced solicitation is hereby amended as follows:

1. **Clarification:** The brands listed in Tables 1 and 2 are the motors that the VFD's will control.

2. **Question:** Is UND looking for the bidder to install the units, or will UND be installing them?

Answer: UND is responsible for installation.

3. **Question:** Which voltage is the desired voltage? 230v or 460v?

Answer: Desired/preferred voltage is 230V. (230V may be unavailable for higher horsepower VFDs, thus requiring 460V for the higher load VFDs).

4. **Question:** What is the control voltage? (24vdc or 120vac)

Answer: Control Voltage is 24VDC

5. **Question:** Do you need any communications, Ethernet/IP, or just a standalone drive?

Answer: Manual and Remote Analog Communications (4-20ma signals) are a must. No Ethernet/IP required.

6. **Question:** How much I/O or extra I/O will you need?

Answer: One Analog Input - Frequency Control; One Analog Output - Frequency Feedback; 1 Mandatory Digital Inputs/Outputs; Start/Stop

7. **Question:** What is the NEMA rating? (Wall mounted as an Open on the wall with a NEMA 1 kit on the bottom or in a 3R enclosure?) If in an enclosure, do you need anything on the door (remote HIM, HOA, S/S, lights) or anything inside the enclosure (heater, filter, venting with a fan)?

Answer: Wall mounted as in mounted on an open wall. NEMA can be 3R or 4X. No accessories should be needed.

8. Question: Does it require a disconnect?

Answer: No, so long as it can be manually operated.

9. Question: Do you have any estimated lead lengths?

Answer: 10-25 FT each

10. Question: FLA of the motors?

Answer: This was included with the bid package, yeah?

11. Question: Along with lead length, are you worried about Harmonics and need filtering provided?

Answer: Not currently concerned with lead lengths, can re-assess.

Any questions regarding this amendment must be submitted in writing to the undersigned Procurement Officer.

Louis Christoffer
Procurement Officer
701-777-5854
Louis.Christoffer@UND.edu