25. Generator available

26. ATS on/ off

27. Ventilation fan available

28. Ventilation fan running

29. Ventilation fan fault

30. Discharge pressure proximity switch

b. Digital outputs

1. Main pump start / stop

2. Drain pump Start / Stop

3. Ventilation Fan start / stop

4. Inlet valve open / close

5. PLC grouped failed

6. Main Pump failed to start

7. Drain Pump failed to start

c. Analogue Inputs

1. Main pump current

2. Drain pump current

3. Water outlet flow

4. Pump discharge header pressure

B. The RTU shall be configured with the same field inputs as the PLC or as requested.

C. The RTU shall also receive the following diagnostic inputs from the PLC:

a. Main Pump failed to start

b. Drain Pump failed to start

c. Grouped PLC fault

1.8.4   Process Control Operation

1.8.4.1   RTU/ PLC

A. The pumping station shall be monitored out by PLC mounted in the MCC, SCADA communication shall be through an RTU also mounted in MCC.