

Annexure-A

P:2/3

Sr. No	Description	Quantity Required Nos
1	2	3
1	Differential Pressure Transmitter Measuring Range: -10000 to 10000 mmH2O Detail Specification as per Annexure B-1	15
2	Differential Pressure Transmitter Measuring Range: -1000 to 1000 mmH2O Detail Specification as per Annexure B-1	20
3	Temperature Transmitter Universal input type Detail Specification as per Annexure B-1	10
4	5-Way Manifold Valve Detail Specification as per Annexure B-1	30
5	Handheld HART Communicator Detail Specification as per Annexure B-1	1

Detail Specification of items 1 to 5

1. Differential Pressure Transmitter

Measuring Range: (-10000 to 10000) mmH₂O

Output: 4-20mA, Supply: 24VDC

Mounting: 2 inch horizontal pipe mounting (horizontal impulse piping type)

Process connection: 1/4" NPT female

Communication/Configuration: Through HART Communicator

Accuracy: ±0.05% of Span, Integral Digital Indicator

Material of body & wetted parts (Diaphragm): SS 316L

Housing: Aluminum, Explosion Proof, Dust/Ignition Proof, Intrinsically safe

Bolts & Nuts: SS316L, Electrical connection: 1/2" NPT female

Other features as per model below

Make: Yokogawa EJA110E-JLS5G-932DB/FU1/D4 or equivalent Honeywell, Shanghai Automation Instrumentation Company.

2. Differential Pressure Transmitter

Measuring Range: (-1000 to 1000) mmH₂O

Output: 4-20mA, Supply: 24VDC

Mounting: 2 inch horizontal pipe mounting (horizontal impulse piping type)

Process connection: 1/4" NPT female

Communication/Configuration: Through HART Communicator

Accuracy: ±0.05% of Span, Integral Digital Indicator

Material of body & wetted parts (Diaphragm): SS 316L

Housing: Aluminum, Explosion Proof, Dust/Ignition Proof, Intrinsically safe

Bolts & Nuts: SS316L, Electrical connection: 1/2" NPT female

Other features as per model below

Make: Yokogawa EJA110E-JMS5G-932DB/FU1/D4 or equivalent Honeywell, Shanghai Automation Instrumentation Company.

3. Temperature Transmitter

Input: Universal Thermocouple, RTD, mV, ohm

Output: 4-20mA DC, HART Communication type

Supply: 24VDC, Electrical connection: 1/2" NPT female

Mounting: 2 inch horizontal pipe mounting

Configuration: Through HART Communicator

Integral Digital Indicator

Housing: Aluminum, Explosion Proof, Dust/Ignition Proof, Intrinsically safe

Other features as per model below

Make: Yokogawa YTA610-JA1A2DB/KU2 or equivalent Honeywell, Rosemount, Shanghai Automation Instrumentation Company.

4. 5-Way Manifold Valve

Connection Type: Wafer Style, directly mountable to DP Transmitter

Connection size: 1/4" NPT female, Max. Pressure: 50 bar

Material: SS316L, Bolts: SS 316, Packing: PTFE, Handle: Standard T-handle

Compatible with item No1, 2

5. Handheld HART Communicator

Model: YHC5150X, HART-7 Protocol

Make: Yokogawa or equivalent

Compatible with item No1, 2, 3

Provided with leads, charger and casing