

| <b>BHEL SPECIFICATIONS FOR DIFFERENTIAL PRESSURE TRANSMITTER</b> |                            |  |
|--|----------------------------|--|
| 1  | Service                    | Deionized Water  |
| 2  | Quantity                   | * 6 numbers with different calibration ranges as mentioned at the bottom of the sheet                                    |
| 3  | Transmitter type           | Digital  |
| 4  | Body material              | 316 L SST or Low copper content Die cast Aluminium alloy with polyurethane   |
| 5  | Diaphragm material         | Hastelloy C or 316 L SST   |
| 6  | Accuracy                   | +/- 0.07% of span or better  |
| 7  | Stability                  | +/- 0.3% of URL(Upper Range Limit)per 7 Years @ all normal operating conditions including overpressure effects or better |
| 8  | Response Time              | 90 milli second or better  |
| 9  | Over pressure Effect       | +/-0.05% of URL(Upper Range Limit) or better   |
| 10   | Diaphragm fill fluid       | Silicon Oil  |
| 11   | Output signal              | 4-20mA   |
| 12   | Electrical connection      | 1/2 NPT Female, two electrical connections without blind plugs   |
| 13   | Process connection         | 1/4 NPT Female on the cover flanges  |
| 14   | Vent/ Drain                | RequiredVent & Drain Plugs on the Trx Body   |
| 15   | Power supply               | 20VDC to 32V DC 2 wire type  |
| 16   | Display                    | 5 digit numerical LCD display, BAR Graph & Range setting switch  |
| 17   | Safety Compliance          | SIL2 Level, IEC 61508  |
| <b>ACCESSORIES</b>   |                            |  |
| 18   | Mounting hardware material | Pipe Mounting bracket -SS304   |

\* Required number of Differential Pressure Transmitters with

calibration range -100 mm H2O to +100 mm H2O : 2 numbers  
calibration range -500 mm H2O to +500 mm H2O : 2 numbers  
calibration range -1000 mm H2O to +1000 mm H2O : 2 numbers