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| **Temperature (Temperature and Humidity will be combined into a single sensor in applications requiring both measurements)** |
| **Sensor type** | Resistance Type |
| **Range** | -40°C to +60°C |
| **Accuracy** |  0.3°C or better |
| **Resolution** |  0.1°C  |
| **Response time** | 10 seconds or better |
| **Signal Output** | SDI-12, 4-20mA, or voltage, must be compatible to the data collection platform |
| **Calibration** | Certificate required and calibration must be performed within India for future recalibration (if needed) |
| **Connecting cable** | Cable length: 10m or the cables need to be long enough to be run continuously (without splicing) from the sensor to the data collection system. |
| **Environmental** |
| **Humidity** | 5% to 100%, semi-arid climate |
| **Temperature** | -40 to +60 degrees C (operational) |
| **Other Requirements** |
| **Accessories** | All accessories (fixing units, etc) as required |
| **Tools and manuals** | * Complete tool kit for installation and routine maintenance giving full details (number of pieces and type)
* Full documentation and maintenance instructions in English (1 copy per station)
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Items in RED are to be used for the Bid Evaluation Review (BER).