

Sr. No	Description/ Specifications/ Cat/Part No. of Scientific Technical/ Administrative Stores	Quantity Required / Unit
1	2	3
1	<p>RTDs along with temperature transmitters RTD Ingress protection: IP65 or better Type: Pt-100 Accuracy: Class A Alpha curve: $0.00385\Omega/\Omega/^{\circ}\text{C}$ Response time: As fast as possible Sheath material and OD: SS-316, 6mm Elements: Dual element, 3-wire Pipe nipple between terminal housing and thermowell: 1/2" NPT having male threads on both ends Signal cable: 10 m cables (two numbers with each RTD). Thermowell: Required Thermowell material: SS 316 Process pressure: 10 bar 17 bar Temperature range: 0-100°C Note: RTD will be installed at a distance from transmitter</p>	25
2	<p>Temperature transmitters Power supply and signal: 24 vdc, loop powered 4-20 mA. Factory setting: 4-20mA signal set to 0-100°C HART protocol: Yes, required Integral display: Yes, required with backlight Accuracy: 0.3°C or better Local configuration via push-buttons: preferable Damping: user adjustable Mounting: Wall mounting Mounting bracket: To be provided as accessory. Literature: English Note: RTD and transmitters are required to be provided as separate so that remote installation of transmitter is possible.</p>	25