

Centrifugal pumps:	Minimum / maximum flow reading versus head/Power consumption reading at duty, run-out, closed valve conditions/ Vibration readings at duty and closed valve conditions at pump and motor / Bearing temperature reading. Test shall be run continuously for 48 hours for each pump unless otherwise directed by the Engineer
Tanks, pressurised:	Leakage test at design pressure with water or gas
Valves:	Function test/Leakage test (Pipe- work) /Limit switch set-point
Indicator Instruments:	Function test/Calibration Bench tests
Signal Transmitters:	Function test / Calibration signal value / Isolation test
Electrical Motors:	Winding resistance / Megger reading / Heater function / Rotation / Vibration / Bearing temperature
Power Transformers:	Megger reading / Oil sample test
Switchgears:	Megger reading / Function tests / Earthing tests / Set points / Injection tests / Thermography test
Cabling / Wiring:	Megger reading
Earthing / Lightning:	Resistance tests/Continuity tests
Illumination:	Illumination tests at night / Function test of emergency lights
Flow meters:	Calibration test
A/C, Ventilation Systems:	Air volumes / Noise / Temperature / Humidity / Vibration
Emergency Generator:	Field test as per manufacturer's instructions / Switch-over test / Load Test
Plant Manual Operation:	Manual Start-up / Operation and shut down
Plant Automatic Operation:	Automatic start-up / Automatic operation and shut down