

TYPICAL TEST MANUAL

Test reference	Quantum documents	Acceptance	Norms
Visual check	---	100%	Must be free from any blemish
Insulation Resistance	Design Sheet	100%	Must be > 50 Meg ohms at 1000VDC By Magger.
Applied High voltage test.	IS 2026/11171	Random	Pri. to earth 3.0 KV withstand Sec. to earth 3.0 KV withstand
Induced Double voltage - frequency test	IS 2026/11171	100%	Double voltage double frequency. There shall be no disruptive discharge. Use frequency converter
Measurement of voltage ratio & check voltage	IS 2026/11171	100%	As per customer's specifications. within specified limits at the specified voltages as per IS.
Temperature rise	IS2026	Random	By short circuit method
No load current	IS2026	100%	At specified voltage, specified by client. Confirming to IS.
Measurement of impedance voltage at principal tapping	IS 2026/11171	100%	As per client's specifications within specified limits at the specified voltages as per IS.
Measurement of load Losses by short circuit method.	IS 2026/11171	Random	As per client's specifications within specified limits at the specified voltages as per IS.
Measurement of winding resistance	As per Design sheet	100%	Resistance of both windings must be less than maximum specified.
Checking of voltage vector relationship	IS2026	100%	As per client's specifications
Name plate(label) & terminals	Clients specification		100% Correct type & material of labels, as specified. Transformer data mentioned in the label must be same as in the order confirmation As specified by client, if any.
D) Special Checks :			

