SHEPHERD TRANSFORMERS INDUSTRIES

QUALITY ASSURANCE PLAN

3-PHASE DOUBLE WOUND LIGHTING TRANSFORMER

MANUFACTURER : SHEPHERD TRANSFORMER INDUSTRIES
CONSIGNEE :
CONSULTANTS :
PROJECT :
PURCHASE ORDER DATE : P.O. NO.
AE'S O/A NO. : I.W.O. NO.

A EQUIPMENT DETAILS

Description	Purchase's Identification	Quantity
3-Phase Double wound Lighting Transformer Input – 415V 3ph (ph to ph) 50Hz Delta Output – 415V 3ph(Ph to Ph) Victor group Dyn11 Type of cooling – Air natural Capacity – 300KVA		01 No.

B. TEST / INSPECTION PROCEDURE

Sr. No	Code No.	Test/Inspection Items	Details of Test / Inspection	Criteria Judgment	Remarks
1	T-1	Visual Inspection	Checking i) Anodized name-plate and other labels ii) General arrangement and Appearance iii) Painting	Approved drawings Shade-632	To be witnessed by Customer's Representative
2	T-2	Dimension Checking	Measurement of Principal dimension with scale Tape	As per approved Drawings	-Do-
3	T-3	Measurement of IR Value a) Before HV Test b) After HV Test	Measurement of Insulation Resistance with 500V DC Meggar between: i) Input Terminals & Earth ii) Output Terminals & Earth iii) Input & \ Output Terminals	As per IS:2026 to have IR Better then 100 Mega Ohms	-Do-
4	T-4	Separate source voltage withstand Test	Checking with high voltage Breakdown Tester the withstanding capacity of insulation between- i) Input Terminals & Earth ii) Output Terminals & Earth iii) Input & Output Terminals	As per IS:2026 to withstand 3kV for One minute	-Do-
5	T-5	Routine Tests- a) Ratio Test	415/415V By open Circuit Test & Voltage Measurement	As per IS: 2026	-Do-

	b) No Load Test	By open Circuit Test- Voltage, IMP – Measurement / S.C. impedance, check	As per IS: 2026	-Do-
	c) Resistance check	Winding resistance check	As per IS: 2026	-Do-
	d) Measurement of impedance Voltage	Short Circuit impedance and Load Loss	As per IS: 2026	-Do-
	e) Polarity Test, f) Victor Group Test, g) Separate Source voltage supply, h) Induce voltage Test.		As per IS: 2026	-Do-