



**SPECIFICATION.....**

**"NTPL"MAKE  
3.3 MVA SINGLE PHASE CORE FLUX TEST SET**

**Technical Specification:**

Primary Voltage : 11KV  $\pm$  10% single phase 50 Hz  $\pm$  5%, AC.  
Max. acceptable Input voltage 12 kV.

Secondary Voltage : 6.6 KV single phase, 50Hz  $\pm$  5%, AC.

The secondary winding will be tapped at every 600V intervals i.e. at 600V, 1200V, 1800V, 2400V, 3000V, 3600V, 4200V, 4800V, 5400V, 6000V, 6600V.

Secondary tap voltages will be brought out through across pair of bushings (Starting end and the tap selected) with proper OFF load link arrangement. Link arrangement is brought out on proper insulated support and housed within a chamber.

**Capacity** : 3.3 MVA Max at 6.6KV. i.e. Max. Secondary current at any tap being 500 Amps.

**Duty Cycle** : Continuous

**Cooling** : Oil Natural.

The Transformer will be provided with standard features like oil in & oil drain out valve, Conservator tank, Silica Gel breather, explosion vent, Thermometer pocket, Oil PRV, Buchholtz relay, Oil Temperature indicator, Rating Plate etc.

Applicable Standard: IS 2026 so far as i. Temperature rise test.

ii. Power Frequency AC HV Testing.

At the time of testing, to know the Input Voltage ,Current, excitation Current & Voltage, a CT & PT operated integrated measurement system will be used.

**Voltage:**

Range: 11KV, Resolution: 0.01KV for Input side

Range: 6.6KV, Resolution: 0.01KV for output side

Range: 300V , Resolution: 1 V for Auxiliary Voltage source



**Current:**

0 –500A, with 3 Ranges ie. 500-250 and 125A

**Wattage:** Low power factor type

**DOCUMENTS:**

Operation Manual, Works Test Report, Warrantee Certificate will be supplied along with the set.

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NTPI