



**HIGH POWER LABORATORY**  
**CENTRAL POWER RESEARCH INSTITUTE,**  
**P. B. NO. 8066, SADASHIVANAGAR SUB P.O**  
**PROF. SIR.C.V. RAMAN ROAD, BANGALORE-560 080, INDIA**  
**PHONE: + 91- (0) 80-23600574, FAX: + 91 (0) 80-23601213**



NABL ACCREDITED  
LABORATORY  
Certificate No. T0010

**CPRI**

**PRELIMINARY REPORT**

Sheet 1 of 2

**Preliminary Report Number** : HPL09217 Dated: 04/01/10

**Customer** : M/s. Supreme Power Equipment Private Ltd.  
No.55, SIDCO Industrial Estate, Thirumazhisai  
Chennai-602107

**Manufacturer** : M/s. Supreme Power Equipment Private Ltd.  
No.55, SIDCO Industrial Estate, Thirumazhisai  
Chennai-602107

**Sample** : 10/16 MVA, 110 kV/ 33-11 kV, Three phase Transformer

**Date(s) of Test** : 15<sup>th</sup> and 31<sup>st</sup> December 2009

**Description of the Sample tested**

Type : Oil immersed, Conventional

Designation : Power transformer

Serial number : SPEL/2372

CPRI Sample Code No. : HPL09S0281

Number of phases : Three

Vector Group : Dyn11

Type of Cooling : ONAN/ONAF

Rated MVA : 10/16

Voltage Ratio (on Principal Tapping) : 110 kV/ 33-11 kV

Insulation level

H.V. Winding : HV 550 kV peak/230 kV rms

L.V. Winding : LV 170 kV peak /70 kV rms

Tappings : + 5.0 % to -20 % in steps of 1.25%

Impedance Volts (Principal Tapping) : 10.425 %

Rated Frequency : 50 Hz

**Tests conducted**

Type of tests : Dynamic Ability to withstand Short circuit test

Tested as per : IS: 2026 – 1977 with amendment 1, 2 & 3

Deviation if any : Nil

Ratings for which tested : Refer sheet 2 of 2

Test subcontracted with address of the laboratory. : Measurement of No load loss & No load Current, Impedance voltage and load loss, Induced over voltage test, Winding resistance measurement and separate source voltage withstand tests conducted at M/s. Supreme Power Equipment Private Ltd. No.55, SIDCO Industrial Estate, Thirumazhisai, Chennai-602107.

**Test Engineer**

**Note:** This is only a Preliminary Report. This Report shall not be considered as a final Report of assessment of performance of the Sample tested.

