

CENTRAL POWER RESEARCH INSTITUTE
(Member of STL)



Report Number: SC16228A

Dated: 23rd June, 2016

Description of sample tested (ratings as assigned by the manufacturer)

Tested sample	Distribution Transformer
Type	Outdoor, oil immersed, circular coil
Designation	---
Serial number	200-022216
Rated power	200 kVA
Rated voltage - HV / LV	11000 V / 415 V
Highest voltage of the equipment - U_m	12000 V
Insulation levels	
HV LI / AC	95 kV / 28 kV
LV LI / AC	- / 3 kV
Impedance volt at 75 °C	4.0 %
Number of phases	Three
Rated frequency	50 Hz
Vector group	Dyn 11
Type of cooling	ONAN
Taps	5 (+5 % to -5% in steps of 2.5%)
No-load loss at rated voltage at Principal tapping and at rated frequency	350 W
Load loss at rated current at Principal tapping at 75°C	2800 W
<u>Winding details</u>	
L.V. winding	Bare copper strip of size 7.5 mm x 3.2 mm with DPC – Four numbers in parallel
H.V. winding	Supper enamelled copper wire of dia 1.73 mm with SPC / 1.63 mm (bare)

Documents attached to this report

Oscillogram number(s)	SC16228A.S01, SC16228A.S02, SC16228A.S03, SC16228A.S04, SC16228A.S05, SC16228A.S06, SC16228A.S07, SC16228A.S08 & SC16228A.S09
Photograph number(s)	SC16228A.PB1, SC16228A.PA1 & SC16228A.PA2
Test circuit diagram number(s)	CRTL/SC/TR-07
Drawing numbers	MS/NP/200, MS/OGA/200 Rev No 1, MS/CCA/200, MS/SV/200 & MS/TS/200


Test Engineer