POWER TRANSFORMER (AUTO-TRANSFORMER / TWO-WINDING TRANSFORMER)	Page 1 of 3

TEST DATA

Test Data No. _____
Station _____
Equipment ID _____
Date of Test _____
Make _____
Serial No _____
Tap Changer Type _____

MVA _____
kV HV _____ Y [ ] △ [ ]
LV _____ Y [ ] △ [ ]

Winding Connection _____
% Impedance _____
Year Manufactured _____

I. EXCITATION CURRENT TEST

HV TAP	EXITING CURRENT (mA) at 10 KV			RATING (S, P, C)
	H1 - H0	H2 - H0	H3 - H0	

Standards Used: ----------
Remarks: ----------

II. OVERALL INSULATION POWER FACTOR TEST

INSULATION MEASURED	TEST kV	CURRENT mA	WATT-LOSS	% POWER FACTOR		CORRECTION FACTOR	CAPACITANCE pF	RATING (S, P. C)
				Measured	Corrected			
CH + CHT								
CH								
CHT (UST)								
CT + CHT								
CT								
CHT (UST)								

Standards Used: ----------
Remarks: ----------

III. TRANSFORMER TURNS RATIO TEST

TAP CHANGER POSITION: As Found High _____ Low _____

A. HIGH VOLTAGE - LOW VOLTAGE

HV		LV		Comp Ratio	H1H0 X1X0	%E	H2H0 X2X0	%E	H3H0 X3X0	%E	Rating (S, P, C)
Tap	Volts	Tap	Volts								

Standards Used: ----------
Remarks: ----------

POWER TRANSFORMER TEST DATA

B. HIGH VOLTAGE - TERTIARY VOLTAGE

HV		TV		COMP RATIO	H1H0 y_y_	%E	H2H0 y_y_	%E	H3H0 y_y_	%E	Rating (S, P, C)
Tap	Volts	Tap	Volts								

Standards Used: ----------

Remarks: ----------

IV. INSULATION RESISTANCE TEST

PARTS MEASURED	TEST kV	TEMP	MEGOHMS			MΩ/KV	POLARIZATION INDEX	RATING (S, P, C)
			30 SEC	1 MIN	10 MIN			
HV-Case								
HV-TV								
TV-Case								

Standards Used: ----------

Remarks: ----------

V. WINDING RESISTANCE TEST

WINDING	TAP	WINDING MEASURED	RESISTANCE (mΩ) corrected at 75°C		RATING (S, P, C)
HV	Highest	H1-H0		mΩ	
		H2-H0		mΩ	
		H3-H0		mΩ	
HV	N	H1-H0		mΩ	
		H2-H0		mΩ	
		H3-H0		mΩ	
HV	Lowest	H1-H0		mΩ	
		H2-H0		mΩ	
		H3-H0		mΩ	
LV	-	X1-X0		mΩ	
		X2-X0		mΩ	
		X3-X0		mΩ	
TV	-	y_y_		mΩ	
		y_y_		mΩ	
		y_y_		mΩ	

Standards Used: ----------

Remarks: ----------

POWER TRANSFORMER TEST DATA

VI. Oil Dielectric Breakdown Voltage, ASTM D1816

SOURCE OF SAMPLE	TEST NUMBER					AVERAGE (X)	TEMP ^{o}C	RATING (S, P, C)
	1	2	3	4	5			
Main Tank								
LTC								

Standards Used: ----------

Remarks: ----------

Overall Remarks: ----------

Tested by : ***Concurred by :***

Contractor - Test Engineer

Owner's Representative

TEST INSTRUMENTS:
(Eqpt.ID/Make/Model/SN/ Date of last calibration) ----------

Legend:
S - Satisfactory
P - Poor
C - Critical