

# Results of Commissioning/Routine Testing of Power Swing Blocking Relay YTO

Name of Substation..... Date ..... Protection ..... C.T.R.....  
 Name of Feeder..... Settings .....  
 Mfg. Nr. ....

## (A) Phase to Phase/Phase to Neutral Injection of Power Swing Blocking Relay YTO.

Phase	Direction of current	Relay ohmic Setting $Z_R$ in ohms	N	Impedance to be set on ZFB Test Set $= \frac{Z_R}{N}$	Impedance Set on ZFB Set			Source Impedance in ohms	Observed % Potential $P'$	Theoretical % Potential $P$	% Error $\frac{P'-P}{P} \times 100$	Remarks	
					Taps on		Z in ohms						Angle
					R	X							
1	2	3	4	5	6	7	8	9	10	11	12	13	14
A-N	Normal												
A-N	Reverse												

## (B) Switch-on Tests of Voltage Regulators.

Type of Test	For just glow $LP_1$ Lamp or +18V on test socket		For Maximum Glow of $LP_1$ Lamp or +22V on test socket		Remarks
	Observed Value	Theoretical Value	Observed Value	Theoretical Value	
Voltage Switch-on A-N					
Current Switch-on A-N	Not Required				

(1) Check Operation of 97 W relay & record operating voltage :

WARNING :—The current switch on test should be performed as quickly as possible to avoid damage of voltage regulator.

Countersigned by  
 Executive Engineer (T & C)

Tested by  
 Assistant Engineer, (T & C)