

Results of Phase to Phase Injection of Measuring Relays

Name of Sub-station Date Protection Type of Relay

Name of Feeder Settings
Mfg. Nr

Phase	Zone	Relay Ohmic Setting Z_R (X_R) in ohms	N	Impedance/Reactance to be set on ZFB test set $2 Z_R (X_R)/N$	Impedance set on ZFB Test Set			Source Impedance in ohms	Observed % Potential P'	Theoretical % Potential P	% Error $\frac{P' - P}{P} \times 100$	Time Test			Remarks		
					Z(X) in ohms		Angle					Set at		Operating Time in secs			
					R	X						%P	Time				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A-B	1																
	2																
	3F																
B-C	1																
	2																
	3F																
C-A	1																
	2																
	3F																
	3R																

(1) Checking of operation of measuring relays in Zone I Reverse direction at % P=0 & record results :-

	A—B not operated upto lowest value of % P=	
Counter-signed by	B—C " " " " % P=	Tested by
Executive Engineer (T & C)	C—A " " " " % P=	Assistant Engineer (T & C)