

## Results of Phase to Neutral 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 $(1+K)Z_R/N$ in ohms	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	
					Taps on		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-N	1															
	2															
	3F															
B-N	3R															
	1															
	2															
C-N	3F															
	3R															
	1															
	2															

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

A-N not operated upto lowest value of % P=

Counter-signed by

B-N " " " " % P=

Tested by

Executive Engineer (T & C)

C-N " " " " % P=

Assistant Engineer (T & C)