

RESULTS OF ROUTINE TESTING OF HIGH SPEED IMPEDANCE RELAYS (SIEMENS)

1. GENERAL

- 1.1 Name of sub-station/Power-house.....date.....
 1.2 Name of line..... Circuit breaker no.....
 1.3 Details of relay :—
 Sl. No.....Make—Siemens Type— $R_1Z_{25}/R_1Z_{24}/R_3Z_{24} + R_3Z_2$

2. SETTINGS

- $C_1 = \dots C_3 = \dots \phi = \dots$ Factor $K = \dots P = \dots$
 $r_1 = \dots r_2 = \dots r_3 = \dots$
 Zone I =secs., Zone II =secs., Zone III =secs.
 Zone IV =secs., Zone V =secs.

2.1 Covered Reactances

Zone	Primary value in Ohms	Secondary value in Ohms
I		
II		
III		
IV		
V		

Over current starting.....A, E/F
 Under impedance starting $0\%V = \dots \times I_n$ $100\%V = \dots \times I_n$

3. ACCURACY OF OVER CURRENT STARTING RELAYS

Relays	Operating current in Amps.	
	Measured value	Set value
J_R
J_S
J_T
J_M

4. ACCURACY OF UNDER IMPEDANCE STARTING RELAY R_3Z_2

Phase	Op. current from curve	Voltage	Operated at
R		Zero %	
S		do	
T		do	
R		100%	
S		do	
T		do	

5. D.C. Interlocked supply checked and it is.....
 6. P.T. Supply checked and found.....
 7. Accuracy of Timer checked.....

Countersigned by

Executive Engineer (T & C)

Tested by

Assistant Engineer (T & C)