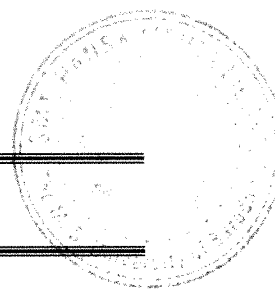# LIST OF SYMBOLS

V_1 : Sending End Voltage of Line

V_2 : Receiving End Voltage of Line

X : Net Reactance of Line

X_L : Inductive Reactance of Line

X_C : Capacitive Reactance of Line

∅ : Angular Difference between the voltages at the two end of the Line

I_F : Fault Current

I_{PL} : Protection Level Current of MOV

Z_G : Source Impedance

V-C_S : Voltage across Series Capacitor

E-MOV : MOV Energy Level

I-MOV : Current through MOV

U-MOV : Voltage across MOV

Vabc : Three phase Line-to-Line Voltages

Iabc : Three phase Line Currents

db_4 : Daubechis-4 Mother Wavelet

d1 : Level-1 detail co-efficient

d6 : Level-6 detail co-efficient

d8 : Level-8 detail coefficient

Rf : Fault Resistance

Im : Modal Current Signal

Vm : Modal Voltage Signal