

[16] Bharat Heavy Electricals Ltd., Operating Manual on 210 MW turbogenerator-set.

NOMENCLATURE

r_a, x_a : Armature resistance/ leakage reactance

K: Saturation factor

X_{du} : Unsaturated synchronous reactance

X_{ds} : Saturated synchronous reactance

V_t, V_{th} : Terminal, threshold voltage

V_{Δ} : Difference voltage from threshold.

S_G : P.U. saturation factor