Appendix B

Numerical Values of the Restructured Model

System frequency f	50 Hz
Inertia Constant H	5 s.
Regulation R	2.4 Hz/pu.
Load frequency characteristics D	0.0083 pu/Hz
Speed governor time constant T_g	0.08 s
Turbine time constant T_t	0.3 s
Power system time constant T_p	20 s
Power system gain K_p	120 Hz/pu
Frequency bias control B	0.425 pu
Synchronizing power coefficient	0.545 pu
a_{12}	-1