

Table 4.3 Generator Data

Gen. Name	Node No.	Rated Capacity [MVA]	Rated Output [MW]	Generator Type	Ex-citation System model (LAT)	Governor model (LPT)	Tap Ratio of the Step-Up Transformer *1		*2 (PLM) [%]
							Day-time	Night-time	
G1	2001	4,500	4,000	Nuclear	1	1	0.916	0.922	-10.0
G2	2002	2,700	2,500	Thermal	1	1	0.907	0.922	5.0
G3	2003	2,350	2,000	Thermal	1	1	0.907	0.922	5.0
G4	2004	3,500	3,000	Thermal	1	1	0.941	0.948	5.0
G5	2005	2,350	2,000	Nuclear	1	1	0.941	0.948	-10.0
G6	2006	600	500	Thermal	1	1	0.941	0.957	5.0
G7	2007	600	500	Thermal	1	1	0.941	0.957	5.0
G8	2008	1,180	1,000	Thermal	1	1	0.931	0.957	5.0
G9	3001	3,000	2,760	Nuclear	1	1	0.886	0.909	-10.0
G10	3002	9,756	8,312	Nuclear	1	1	0.903	0.909	-10.0
G11	3003	5,010	4,500	Thermal	1	1	0.886	0.909	5.0
G12	3004	4,100	3,700	Thermal	1	1	0.965	0.957	5.0
G13	3005	2,947	2,400	Thermal	1	1	0.972	0.957	5.0
G14	3006	4,173	3,700	Thermal	1	1	0.890	0.917	5.0
G15	3007	5,568	5,000	Thermal	1	1	0.903	0.922	5.0
G16	3008	3,955	3,400	Thermal	1	1	0.886	0.926	5.0
G17	3009	2,800	2,400	Thermal	1	1	0.982	0.982	5.0
G18	3010	2,974	2,430	Thermal	1	1	0.965	0.982	5.0
G19	3011	3,296	2,880	Thermal	1	1	0.965	0.982	5.0
G20	3012	1,170	1,050	Hydraulic (Pumped)	1	4	0.911	0.917	0.0
G21	3013	1,120	1,000	Hydraulic (Pumped)	1	4	0.915	0.917	0.0
G22	3014	1,030	900	Hydraulic (Pumped)	1	4	0.920	0.917	0.0
G23	3015	750	675	Hydraulic (Pumped)	1	4	0.909	0.917	0.0
G24	3016	1,340	1,200	Hydraulic (Pumped)	1	4	0.907	0.917	0.0
G25	3017	8,280	7,112	Nuclear	1	1	0.915	0.909	-10.0
G26	3018	1,820	1,600	Hydraulic (Pumped)	1	4	0.917	0.926	0.0
G27	3019	2,386	2,148	Hydraulic (Pumped)	1	4	0.922	0.909	0.0
G28	3020	2,800	2,500	Hydraulic (Pumped)	1	4	0.911	0.909	0.0
G29	3021	5,500	5,000	Thermal	1	1	0.975	0.948	5.0
G30	3022	2,320	2,000	Thermal	1	1	0.975	0.948	5.0

Notes :

- 1) Tap ratio is the value based on the low voltage side of the step-up transformer.
- 2) PLM : Governor spinning reserve (in Y-method)