

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,371 MW
Hydro	1,854 MW
Distillate	320 MW
Total TNB	7,685 MW
Total IPP	8,490 MW
Total Co-Gen	77 MW
System Total	16,252 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	7,347 MW
IPP Generation	8,257 MW
Total Set On Bus	16,219 MW
Maximum Demand	15,882 MW
Spinning Reserve	538 MW
Net Energy	327,334 MWH
Load Factor	85.9 %

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 MWH

Hourly System MW Generation

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
System Total	12869	12234	11833	11450	11090	10979	11233	11211	11919	13699	14621	15322	15291	14970	15512	15852	15605	15168	14336	14569	14881	14614	14032	13426

Gas Usage

Station	(mmscfd)
CBPS	97
GLGR	65
PAKA	197
PGPS	32
SRDG	73
TJGS	113
TNB Total	578
KLPP	83
MPSS	59
PDPS	57
PGLA	58
PTEK	66
SGB3	80
SGRI	211
SKSP	58
YPGS	68
YPKA	132
IPP Total	871
Total Gas	1,449

Total Gas Required : 1,654
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGGS	25
PGPS	29
PKLG	129
SGB3	19
SGRI	4
Total	205

Generation Mix

Type	MWh	Percentage
ST-Coal	49,678.00	15.18 %
ST-Oil	1,548.00	0.47 %
Gas	70,038.00	21.40 %
Hydro	19,128.00	5.84 %
Distillate	3,178.00	0.97 %
Total TNB	143,570.0	43.86 %
ST-Coal	56,156.0	17.16 %
ST-Oil	12,627.0	3.86 %
Gas	109,798.0	33.54 %
Distillate	1,876.0	0.57 %
Total IPP	180,457.0	55.13 %
Co-Gen	1,875.0	0.57 %
Total Co-Gen	1,875.0	0.57 %
Total Generation	325,902.0	99.56 %
PLTG	-234.0	-0.07 %
HVDC	-1,198.0	-0.37 %
Interconnection	-1,432.0	-0.44 %
Net Energy	327,334.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	280
Hydro	122
Syncon	345
Thermal	52
Total	799

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	34

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	27	24	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	25	27	21	25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	28	27	26	29	30	30	26	27	29	27	30	27	49	77	28	32	32	31	29	32	36	75	75	75
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		720	718	708	691	666	658	584	523	439	354	355	369	414	461	263	208	327	537	537	539	579	771	1300	1344
PGGS	GT6A	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	107	105	105	106	104	105	104
PGGS	GT6B	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	105	104	104	103	103	103
PGPS	GT3A	88	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	112	112	112	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	114	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRJ	GT13	128	128	102	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	124	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		679	482	214	69	0	0	0	0	0	0	0	0	0	0	0	0	90	213	210	209	210	207	208	207
PCUF	CUFG	40	41	40	40	39	39	40	40	41	41	39	38	40	40	39	39	38	38	36	37	38	37	39	
PCUF	CUFK	41	40	41	41	40	41	39	41	41	38	40	39	39	40	39	40	39	39	39	39	39	39	39	39
Total Co-Gen		81	81	81	81	79	81	79	81	82	79	79	77	79	80	79	78	75	77	77	76	78	78	77	77
Total Gen		12818	12591	12211	11943	11771	11616	11393	11220	11032	10973	10994	11070	11176	11541	11176	11418	11953	12950	13667	14230	14520	14841	15332	15365
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-29	-28	-29	-28	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-22	-8	6	-34	-33	-46	-28	-18	-28	-5	44	-17	-28	-81	-7	48	63	75	-3	63	-73	-81	39	
Interconnection		-51	-36	-23	-62	-62	-75	-57	-47	-58	-34	15	-46	-57	-110	-35	19	34	46	-32	34	-101	-110	10	
System Total		12869	12627	12234	12005	11833	11691	11450	11267	11090	11007	10979	11116	11233	11651	11211	11399	11919	12904	13699	14196	14621	14951	15322	15447
SRev ST-Coal		61	44	49	54	72	104	101	100	96	93	111	95	99	107	95	55	48	41	54	33	45	38	49	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev ST-Oil		6	7	7	9	8	7	8	80	85	85	85	85	85	62	7	6	6	6	7	7	7	7	7	8
SRev CCGT-Gas		344	348	675	494	693	764	900	936	984	960	925	875	808	567	952	987	717	244	186	76	101	111	188	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	187	299	146	112	80	
SRev Distillate		201	178	66	211	0	0	0	0	0	0	0	0	0	0	0	0	0	20	7	10	11	10	13	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		453	453	453	539	625	474	625	625	474	726	726	726	726	575	726	726	726	625	625	625	625	625	625	625

Daily MW Generation On Thursday
14-Nov-2013

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																								
Hydro		189	191	201	132	71	207	71	132	267	100	98	85	40	142	153	108	188	81	82	80	90	59	200	206	237	284	349	301	202	193	221	188	262	95	206	85	97	80	170	229	29	89	84	80	83	73	79	76
S.Reserve Total		1254	1221	1451	1439	1469	1556	1705	1873	1906	1964	1945	1866	1758	1453	1933	1882	1685	1092	1161	1147	1024	983	836	855	939	960	1185	958	772	538	596	684	806	718	898	1124	1318	1477	1276	1112	1148	1099	1161	1017	1188	1013	981	1069