

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,109 MW
Hydro	1,854 MW
Distillate	0 MW
Total TNB	7,413 MW
Total IPP	11,444 MW
Total Co-Gen	77 MW
System Total	19,498 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	3,857 MW
IPP Generation	8,674 MW
Total Set On Bus	13,560 MW
Maximum Demand	12,668 MW
Spinning Reserve	952 MW
Net Energy	274,984 MWH
Load Factor	90.4 %

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	12220	11471	11167	10874	10406	10301	10172	9902	9972	11184	12066	12539	12483	12302	12596	12636	12534	12102	11342	11118	11754	11791	11511	11237

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	57
PGPS	51
SRDG	24
TJGS	110
TNB Total	243
KLPP	108
MPSS	1
PGLA	110
PLPS	107
PTEK	9
SGRI	221
SKSP	54
YPKA	132
IPP Total	743
Total Gas	986
Total Gas Required :	986
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,885.00	11.96 %
Gas	31,142.00	11.33 %
Hydro	12,087.00	4.40 %
Total TNB	76,114.0	27.68 %
ST-Coal	98,385.0	35.78 %
Gas	97,355.0	35.40 %
Total IPP	195,740.0	71.18 %
Co-Gen	2,071.0	0.75 %
Total Co-Gen	2,071.0	0.75 %
Total Generation	273,925.0	99.61 %
PLTG	-357.0	-0.13 %
HVDC	-702.0	-0.26 %
Interconnection	-1,059.0	-0.39 %
Net Energy	274,984.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	141
Hydro	118
Syncon	451
Thermal	247
Total	956

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	32

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
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total OCGT-Gas		30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	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
BSIA	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
BSIA	HY03	23	23	23	23	23	23	23	23	22	22	22	17	11	12	13	11	12	11	13	12	13	23	23	21
CEND	HY01	10	10	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	9	10	10	9
CEND	HY02	9	9	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	8	7	7
CEND	HY03	9	9	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	8	7	7
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	36	36	36	37	36	37	35	36	37	35	34	35	37	36	37	38	36	36	36	35	34	35	33	33
KNRG	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
KNRG	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
KNYR	HY01	99	0	0	0	0	0	0	0	0	0	0	0	60	93	97	97	88	97	58	97	86	97	94	97
KNYR	HY02	98	99	98	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	92	98	98	98	98	98	98	98
KNYR	HY03	96	96	97	96	61	61	0	0	0	0	0	0	0	96	96	96	96	96	96	96	96	96	96	96
KNYR	HY04	63	82	60	88	97	91	102	59	61	78	58	52	55	97	59	68	102	60	94	100	100	99	97	95
LPJA	HY01	26	26	26	26	26	26	26	25	26	26	26	25	25	19	21	22	24	25	24	24	23	23	22	21
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	128	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	147	109	78	109	104	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	22	-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
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	84	34	32	33	35	35	40	30	34	37	30	29	34	36	32	36	38	33	34	39	85	85	58	62
TMGR	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
TMGR	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
UPIA	HY01	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		691	433	405	435	310	304	260	228	211	233	203	195	204	273	200	209	249	359	518	688	806	763	853	963
PCUF	CUFK	41	51	51	52	54	54	51	52	51	53	54	53	54	53	50	55	52	50	51	52	53	51	53	51
PCUF	CUFK	31	30	30	29	32	32	28	29	31	32	32	30	31	31	31	33	32	31	29	28	27	25	24	24
Total Co-Gen		72	81	81	81	86	79	81	82	85	86	83	85	84	81	88	84	81	80	80	80	76	77	75	78
Total Gen		12182	11858	11463	11385	11111	10987	10819	10575	10465	10467	10412	10218	10178	10128	9898	9686	9891	10661	11213	11623	11970	12246	12459	12650
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		-28	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-13	49	19	10	-29	18	-29	23	85	3	137	76	32	-24	22	-38	-55	-13	55	22	-69	-81	-54	38
Interconnection		-41	19	-11	-20	-59	-11	-58	-6	56	-26	108	47	3	-53	-7	-67	-84	-42	26	-7	-99	-111	-84	9
System Total		12223	11839	11474	11405	11170	10998	10877	10581	10409	10493	10304	10171	10175	10181	9905	9753	9975	10703	11187	11630	12069	12357	12543	12641

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																										
SRev ST-Coal		216	211	263	217	220	211	211	210	214	215	218	206	211	390	382	528	524	525	532	385	328	224	211	225	227	219	217	212	236	248	250	252	221	218	212	266	318	396	398	312	316	263	297	403	375	388	409	426		
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	0	0	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 CCGT-Gas		318	371	380	535	680	816	933	1145	1234	1258	1273	1477	1514	1448	1520	1484	1257	544	141	62	84	103	106	133	213	107	131	108	114	119	131	140	174	218	266	286	328	435	429	284	123	147	144	104	135	113	123	116		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	21	32	12	10	8	9	59	2	4	4	45	63	163	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	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		474	625	625	625	726	726	726	575	726	726	726	726	726	625	625	474	474	474	323	323	323	625	625	625	474	474	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	474	625	625	625	474		
Hydro		77	84	112	82	106	112	56	239	105	83	113	121	112	194	116	107	67	158	99	118	38	81	271	211	374	61	112	86	112	105	109	113	59	60	287	80	108	110	100	100	31	98	122	200	103	94	91	165		
S.Reserve Total		1085	1291	1380	1459	1732	1865	1926	2169	2279	2282	2330	2530	2563	2607	2744	2845	2574	1852	1397	1039	924	883	932	924	1149	1022	1093	1040	995	948	968	1126	1124	1184	1553	1257	1579	1566	1552	1321	1095	1133	1188	1181	1238	1220	1248	1181		