

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,691 MW
Hydro	1,815 MW
Distillate	0 MW
Total TNB	7,646 MW
Total IPP	10,425 MW
Total Co-Gen	70 MW
System Total	18,141 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	6,444 MW
IPP Generation	9,112 MW
Total Set On Bus	16,580 MW
Maximum Demand	15,905 MW
Spinning Reserve	954 MW
Net Energy	324,298 MWH
Load Factor	85.0 %

Maximum Demand Record

Date :	16/04/2013	16,356.0 MW
Date :	16/04/2013	338,800.0 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	12531	12062	11604	11310	11149	10866	11142	11087	11794	13552	14561	15387	15229	14813	15571	15905	15810	15348	14080	13840	14610	14547	13982	13544

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	56
PAKA	190
PGPS	41
SRDG	39
TJGS	112
TNB Total	495

Alternate Fuel Usage

Station	(mmscfd)
PKLG	55
Total	55

Generation Mix

Type	MWh	Percentage
ST-Coal	49,520.00	15.27 %
Gas	61,402.00	18.93 %
Hydro	17,432.00	5.38 %
Total TNB	128,354.0	39.58 %
ST-Coal	86,458.0	26.66 %
ST-Oil	5,507.0	1.70 %
Gas	96,553.0	29.77 %
Total IPP	188,518.0	58.13 %
Co-Gen	1,993.0	0.61 %
Total Co-Gen	1,993.0	0.61 %
Total Generation	318,865.0	98.32 %
PLTG	-4,736.0	-1.46 %
HVDC	-697.0	-0.21 %
Interconnection	-5,433.0	-1.68 %
Net Energy	324,298.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	399
Hydro	213
Syncon	308
Thermal	35
Total	955

KLPP	111
PDPS	28
PGLA	91
PKLG	16
PLPS	105
PTEK	19
SGRI	212
SKSP	38
YPGS	69
YPKA	70
IPP Total	758
Total Gas	1,254

Total Gas Required : 1,309
Gas Calorific Value : 38.500

Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 33

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																											
SIHY	HY01	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50																											
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50																											
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SYPS	HY02	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SYPS	HY03	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SYPS	HY04	25	25	25	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	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	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	31	31	27	24	37	35	30	36	37	34	36	42	41	32	23	36	39	37	36	30	34	37	38	81																											
UPLA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																											
Total Hydro		671	671	660	554	599	584	570	426	335	288	302	329	318	170	157	187	221	217	338	385	690	894	1144	1260	1237	1095	849	1179	1382	1443	1439	1420	1445	1285	1111	752	561	524	526	762	771	851	908	786	651	646	755	768			
PCUF	CUFG	47	46	47	47	47	47	48	46	47	47	47	47	46	48	47	47	47	47	46	46	44	44	42	43	43	42	42	40	42	43	43	43	43	43	42	44	44	44	45	43	44	44	45	46	45	45					
PCUF	CUFK	33	34	34	35	35	35	35	34	34	35	34	34	35	38	37	37	34	33	35	35	35	34	32	29	30	29	26	27	27	27	27	26	26	26	28	28	27	27	28	27	30	29	31	33	32	33					
Total Co-Gen		80	80	81	80	82	82	83	81	81	81	82	81	81	84	85	84	81	80	82	81	79	78	74	75	72	72	71	66	69	70	70	69	69	70	69	71	70	71	71	73	70	74	73	76	79	77	78				
Total Gen		12316	12013	11862	11573	11383	11300	11064	10906	10891	10636	10605	10759	10806	11284	11089	11085	11598	12567	13287	13840	14411	14746	15065	15187	15047	14898	14638	15061	15325	15565	15626	15535	15582	15399	15181	14432	13902	13548	13649	14253	14405	14389	14368	13979	13776	13489	13299	12794			
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	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
TIE-HVDC		-31	-30	-29	-29	-28	-28	-29	-30	-30	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-184	-157	-171	-164	-193	-218	-217	-199	-241	-248	-232	-223	-307	-182	31	-173	-168	-249	-236	-159	-121	-173	-293	-223	-153	-164	-146	-180	-218	-223	-251	-217	-198	-191	-139	-156	-149	-181	-161	-198	-175	-189	-150	-308	-177	-208	-216	-178			
Interconnection		-215	-187	-200	-193	-221	-246	-246	-229	-271	-278	-261	-252	-336	-211	2	-202	-196	-277	-265	-188	-150	-202	-322	-252	-182	-193	-175	-209	-246	-252	-279	-245	-228	-221	-167	-184	-178	-210	-191	-228	-205	-219	-179	-337	-206	-237	-245	-207			
System Total		12531	12200	12062	11766	11604	11546	11310	11135	11162	10914	10866	11011	11142	11495	11087	11287	11794	12844	13552	14028	14561	14948	15387	15439	15229	15091	14813	15270	15571	15817	15905	15780	15810	15629	15348	14616	14080	13758	13840	14481	14610	14608	14547	14316	13982	13726	13544	15001			
SRev ST-Coal		69	153	229	206	207	211	195	212	158	112	33	26	11	32	26	2	25	9	7	14	21	76	36	0	9	8	9	47	27	22	27	16	12	21	25	6	21	11	24	10	13	18	33	31	41	0	107	30			
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	0
SRev ST-Oil		9	10	21	40	37	38	38	37	37	37	37	37	37	37	37	37	38	43	11	11	11	22	22	22	22	20	20	21	21	21	24	41	15	16	16	16	16	16	16	16	16	21	10	11	11	11	11	10	10	11	
SRev CCGT-Gas		688	706	630	801	1000	1097	1336	1363	1376	1664	1809	1708	1658	1011	1201	1261	1328	681	351	179	181	154	185	149	163	165	175	184	187	190	199	195	207	211	249	233	191	556	599	418	211	212	227	595	296	623	563	728			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	251	215	155	207	269	364	369	372	230	289	223	370	440	413	422	425	401	125	156	152	123	122	73	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	0	
Syncon		625	625	625	625	625	625	731	581	732	731	882	882	581	731	731	731	731	731	731	625	474	474	323	323	323	323	323	474	323	172	86	86	86	86	86	86	86	86	323	625	625	625	625	625	625	474	474	625	625	625	625
Hydro		146	146	157	163	118	133	147	230	216	112	249	71	79	128	141	111	77	81	170	229	253	347	308	192	216	358	451	272	219	244	248	267	242	302	290	312	53	90	90	199	190	260	354	181	164	169	62	49			
S.Reserve Total		1537	1640	1662	1835	1987	2104	2341	2573	2473	2657	2859	2724	2667	1789	2136	2142	2199	1545	1470	1309	1155	1228	1081	955	1097	1243	1501	1077	915	786	954	1045	975	1058	1091	1291	1031	1454	1506	1396	1171	1199	1099	1442	1287	1577	1517	1593			