

Availability At Daily Maximum Demand Hour

ST-Coal	2,010	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,829	MW
Hydro	1,726	MW
Distillate	0	MW
Total TNB	7,635	MW
Total IPP	11,376	MW
Total Co-Gen	44	MW
System Total	19,055	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30	
TNB Generation	5,519 MW
IPP Generation	10,028 MW
Total Set On Bus	16,613 MW
Maximum Demand	15,682 MW
Spinning Reserve	1,022 MW
Net Energy	321,829 MWH
Load Factor	85.5 %

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	12240	11622	11115	10740	10573	10378	10641	10968	11739	13576	14431	15213	15212	14760	15338	15630	15559	15202	14269	14136	15078	14761	14225	13770

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	18
PAKA	162
PGPS	24
SRDG	48
TJGS	106
TNB Total	418
KLPP	104
MPSS	57
PDPS	26
PGLA	114
PKLG	94
PLPS	97
PTEK	28
SGRI	198
SKSP	55
YPGS	30
YPKA	114
IPP Total	918
Total Gas	1,336

Total Gas Required : 1,336
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	47,925.00	14.89 %
Gas	50,158.00	15.59 %
Hydro	14,971.00	4.65 %
Total TNB	113,054.0	35.13 %
ST-Coal	92,948.0	28.88 %
ST-Gas	7,758.0	2.41 %
Gas	106,669.0	33.14 %
Total IPP	207,375.0	64.44 %
Co-Gen	1,106.0	0.34 %
Total Co-Gen	1,106.0	0.34 %
Total Generation	321,535.0	99.91 %
PLTG	314.0	0.10 %
HVDC	-608.0	-0.19 %
Interconnection	-294.0	-0.09 %
Net Energy	321,829.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	251
Hydro	154
Syncon	369
Thermal	192
Total	967

	Weather	Temperature
Morning	Sunny	28
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
SGRI	GT22	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	138	138	140	140	140	140	118	108	58	58	58	65	107	107	107	139	139	139	139	138	138	138	138	138
SGRI	ST24	186	153	151	150	153	152	153	145	127	92	90	88	89	131	131	152	217	218	217	218	221	215	215	218
YPGS	GT12	91	117	114	116	114	116	118	119	114	120	118	120	116	118	118	112	118	118	118	121	123	116	115	118
YPGS	ST10	54	66	66	66	66	66	65	65	65	66	66	65	65	65	65	65	65	65	65	65	65	65	65	65
YPKA	BLK1	213	238	244	244	245	245	245	245	245	242	267	277	289	290	290	290	291	344	371	383	381	381	380	380
YPKA	BLK2	219	242	249	249	249	248	248	250	250	247	270	292	292	294	294	294	294	356	389	389	391	391	390	390
PLPS	GT11	138	139	111	112	67	68	66	65	66	66	65	66	63	68	75	143	140	141	137	137	138	137	136	136
PLPS	GT12	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	146	145	143	143	142	144	142
PLPS	GT13	142	141	111	110	64	63	64	64	63	64	64	63	64	64	64	62	145	144	144	141	141	140	140	140
PLPS	ST18	211	142	133	132	97	96	96	96	96	97	97	96	95	100	100	100	168	213	214	213	213	211	211	211
SKSP	BLK1	309	305	349	244	251	236	213	226	213	215	218	305	323	268	283	240	344	347	343	303	346	344	341	347
TJGS	GT1A	224	222	224	225	224	214	158	152	149	152	151	149	151	150	151	154	227	230	226	227	225	223	224	224
TJGS	GT1B	218	218	218	218	218	205	146	145	146	145	142	142	142	142	146	221	225	221	221	221	221	218	218	218
TJGS	ST1C	256	256	256	256	256	241	207	192	192	189	189	189	189	189	189	246	257	257	257	257	257	257	257	257
Total CCGT-Gas		5634	5368	5122	4849	4579	4513	4309	4288	4209	4078	4053	4107	4232	4414	4478	4415	5216	6368	6646	6670	6858	6873	6857	6900
CLGR	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
CLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	110	109	109	109	110	110	110
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	95	99	96	97	98	103	88
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	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
PDPS	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
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	101	103	104	104	104	104	104
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	113	112	111	111	109	109
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	95	104	86	94	98	105	79
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	110	110	110	109	107
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	100	98	99	99	97	96	96
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	130	128	125	129	127	126	105
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	105	107	106	106	104	112	104
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	86	675	735	861	959	1068	1067	1082	1013	1097	1178
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	10	11	12	11	11	11	10	11	10	10	10	12	12	11	12	11	13	10	12	12	22	22	22	22
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	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	19	20	22	20	20	20	18	21	18	20	18	20	24	24	21	24	24	28	20	24	24	36	36	37
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	101	101	102	102	102	101	101	102	101	102	101	102	102	102	101	102	102	101	101	101	102	102	102	102
KNYR	HY03	100	100	100	100	100	100	100	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	24	26	26	26	25	24	23	23	24	26	26	25
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	109	80	128	20	-1	-1	-1
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

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	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	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	27	28	43	30	29	28	26	34	27	25	24	30	77	46	29	36	36	77	76	31	36	37	75	75																											
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		404	407	426	410	409	428	402	415	403	401	398	408	462	452	411	421	422	466	548	439	706	874	1248	1184	1163	780	791	876	996	1271	1072	1056	1004	930	585	449	447	452	457	768	901	599	592	446	432	458	444	442			
PCUF	CUFG	28	29	28	29	29	29	31	31	31	31	31	29	32	31	29	30	30	31	31	30	30	28	25	32	31	31	31	30	29	31	29	29	28	30	30	30	30	30	31	31	31	31	31	31	30	30	31				
PCUF	CUFK	17	19	16	16	16	16	16	16	15	15	16	16	16	16	17	17	16	16	15	14	14	12	13	16	16	15	15	17	18	17	15	16	17	18	17	18	17	18	17	18	17	18	17	18	17	18	17	18			
Total Co-Gen		45	48	44	45	45	45	47	47	46	46	47	47	45	48	47	46	45	46	45	47	48	47	45	45	43	43	45	47	44	44	45	48	47	45	46	47	49	48	49	48	48	48	47	49							
Total Gen		12277	12009	11725	11438	11160	11107	10805	10722	10600	10411	10376	10383	10595	10798	10913	10865	11668	12884	13433	13913	14453	14789	15207	15308	15281	14880	14756	15002	15257	15596	15579	15586	15562	15591	15273	14702	14338	13872	14036	14892	15131	14819	14797	14698	14293	13899	13835	13598			
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	-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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		6	79	74	40	74	38	94	9	56	13	27	51	-17	-82	-26	-16	-43	45	-114	48	51	9	23	9	98	-81	25	-36	-52	-52	-22	-45	32	-62	100	27	98	-11	-71	-79	82	-90	65	-35	98	5	95	92			
Interconnection		37	109	103	11	45	9	65	-20	27	-16	-2	22	-46	-111	-55	-44	-71	16	-143	19	22	-20	-6	-20	69	-110	-4	-65	-81	-81	-51	-74	3	-91	71	-2	69	-40	-100	-108	53	-119	36	-65	68	-25	65	64			
System Total		12240	11900	11622	11427	11115	11098	10740	10742	10573	10427	10378	10361	10641	10909	10968	10909	11739	12868	13576	13894	14431	14809	15213	15328	15212	14990	14760	15067	15338	15677	15639	15660	15559	15682	15202	14704	14269	13912	14136	15000	15078	14938	14761	14763	14225	13924	13770	13534			
SRev ST-Coal		178	186	185	184	191	196	252	240	236	292	299	358	324	290	202	195	195	230	190	222	203	182	217	201	189	223	249	207	204	207	201	200	205	193	195	211	238	235	231	222	229	232	235	235	243	229	236	235			
SRev ST-Gas		41	41	37	37	38	38	38	38	38	37	37	37	37	38	38	37	37	41	15	6	2	-3	-1	1	1	1	1	29	29	32	33	36	38	39	24	0	-1	-1	-1	-2	0	-2	-2	0	0	-1	-1				
SRev CCGT-Gas		299	215	461	734	1004	1070	1274	1295	1429	1560	1579	1525	1400	1218	1249	1312	931	509	231	323	138	192	208	165	180	176	222	235	209	222	265	291	291	266	291	313	313	848	707	231	243	259	284	232	347	460	382	453			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	88	28	10	130	21	22	7	76	102	21	55	74	46	50	33	54	128	123	83	73	4	36	11	43	-17	154	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	474	625	625	625	625	625	625	474	625	625	625	625	539	539	237	237	237	237	388	625	474	474	388	302	453	453	302	453	539	625	625	625	625	474	323	625	625	625	625	474	625	625				
Hydro		109	106	87	103	104	236	111	98	110	112	115	105	51	212	102	92	92	51	51	160	221	280	223	287	156	66	205	120	321	133	183	48	251	39	117	66	69	63	59	97	167	67	74	68	82	207	70	72			
S.Reserve Total		1252	1173	1395	1683	1962	2014	2300	2296	2438	2626	2655	2650	2437	2232	2216	2261	1880	1456	1050	1338	1064	1133	1014	912	936	1098	1227	1139	1172	948	1208	1071	1135	1022	1235	1452	1368	1853	1694	1027	996	1194	1259	1141	1451	1370	1312	1467			