

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,030 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,341 MW
Hydro	1,517 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,958 MW</b>
<b>Total IPP</b>	<b>11,799 MW</b>
<b>Total Co-Gen</b>	<b>84 MW</b>
<b>System Total</b>	<b>18,841 MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 16:00	
TNB Generation	4,751 MW
IPP Generation	10,403 MW
Total Set On Bus	16,232 MW
Maximum Demand	15,151 MW
Spinning Reserve	994 MW
Net Energy	321,148 MWH
Load Factor	88.3 %

**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	13010	12485	11881	11625	11512	11441	11296	11212	11543	12987	13845	14526	14534	14302	14862	15079	15151	14705	13854	13515	14188	14449	14147	14011

**Gas Usage**

Station	(mmscfd)
GLGR	56
PAKA	168
PGPS	41
SRDG	56
TJGS	53
<b>TNB Total</b>	<b>375</b>
KLPP	102
MPSS	48
PDPS	9
PGLA	106
PKLG	80
PLPS	97
PTEK	3
SGRI	184
YPGS	68
YPKA	132
<b>IPP Total</b>	<b>830</b>
<b>Total Gas</b>	<b>1,205</b>

Total Gas Required : 1,205  
Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,591.00	15.44 %
Gas	42,437.00	13.21 %
Hydro	9,992.00	3.11 %
<b>Total TNB</b>	<b>102,020.0</b>	<b>31.77 %</b>
ST-Coal	111,783.0	34.81 %
ST-Gas	6,797.0	2.12 %
Gas	98,942.0	30.81 %
<b>Total IPP</b>	<b>217,522.0</b>	<b>67.73 %</b>
Co-Gen	2,308.0	0.72 %
<b>Total Co-Gen</b>	<b>2,308.0</b>	<b>0.72 %</b>
<b>Total Generation</b>	<b>321,850.0</b>	<b>100.22 %</b>
PLTG	-21.0	-0.01 %
HVDC	723.0	0.23 %
<b>Interconnection</b>	<b>702.0</b>	<b>0.22 %</b>
<b>Net Energy</b>	<b>321,148.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	369
Hydro	108
Syncon	303
Thermal	200
<b>Total</b>	<b>979</b>

	Weather	Temperature
Morning	Sunny	27
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																											
TMGR	HY04	31	29	36	40	32	32	31	30	30	28	31	38	29	32	29	28	39	34	31	36	35	39	50	50	66	46	43	41	58	62	64	64	62	62	58	59	35	36	36	34	37	78	78	32	27	31	32	34			
UPLA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	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		416	409	447	401	281	237	226	165	166	161	179	226	407	348	221	160	208	293	373	408	394	422	550	561	692	470	460	457	636	603	578	607	667	667	565	507	387	341	342	385	425	618	630	455	352	372	399	432			
PCUF	CUFK	49	50	50	50	51	50	52	50	51	51	50	51	50	52	50	51	52	50	50	50	50	50	50	48	48	48	47	47	47	48	48	47	48	48	47	48	48	50	48	49	48	49	48	50	51	51	50	49	50	50	51
PCUF	CUFK	40	40	41	38	39	40	39	40	40	39	39	39	40	40	39	39	41	40	38	39	39	40	41	39	38	37	37	38	39	36	37	37	36	37	37	38	41	40	40	39	40	39	41	41	39	41	40	39	40	39	
Total Co-Gen		89	90	91	88	90	90	91	90	91	90	91	90	91	89	92	92	88	89	89	90	91	87	86	85	84	85	86	84	85	84	84	85	87	86	90	88	89	87	90	90	92	91	88	91	90	90	90	90			
Total Gen		13061	12634	12454	12280	11914	11659	11631	11414	11572	11641	11512	11380	11355	11511	11374	11380	11541	12641	13086	13453	13901	14200	14560	14891	14549	14292	14326	14529	14864	15070	15155	15161	15238	15210	14742	14281	13912	13670	13528	13933	14123	14556	14490	14335	14033	14075	13939	13774			
TIE-BGAT		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		30	30	31	31	30	30	30	30	30	31	31	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	29	29	30	30	30	30	29	29	31	29	30	30	30	30	30	30	30	30	30	30	30		
TIE-PLTG		21	-13	-62	0	3	5	-24	53	30	89	40	-110	29	57	131	155	-33	45	69	24	25	-107	4	-50	-15	-20	-6	-59	-28	-45	46	101	58	172	7	51	28	7	-16	70	-96	16	11	-122	-144	-166	-102	5			
Interconnection		51	17	-31	31	33	35	6	83	60	119	71	-79	59	87	162	186	-2	76	99	54	56	-76	34	-20	15	10	24	-29	2	-15	76	131	87	201	37	81	58	37	13	99	-65	45	41	-92	-114	-136	-72	35			
System Total		13010	12617	12485	12249	11881	11624	11625	11331	11512	11522	11441	11489	11296	11424	11212	11194	11543	12565	12987	13399	13845	14276	14526	14611	14534	14282	14302	14558	14862	15085	15079	15030	15151	15009	14705	14200	13854	13633	13515	13834	14188	14511	14449	14427	14147	14211	14011	13739			
SRV ST-Coal		197	181	168	219	217	214	196	197	46	281	213	293	300	257	293	294	322	198	209	197	187	184	213	201	211	227	234	210	220	216	270	212	201	199	197	211	188	212	229	227	220	223	228	214	219	197	215	205			
SRV ST-Gas		3	1	1	2	2	1	5	1	-9	17	14	15	4	2	2	3	3	2	9	9	7	9	11	11	17	23	65	80	78	76	16	10	12	13	13	11	11	24	42	41	41	14	16	11	8	10	11	10			
SRV CCGT-Gas		521	540	562	785	1085	1090	1232	1460	1465	1469	1696	1689	1780	1621	1842	1649	1619	1381	988	669	449	243	194	290	431	383	443	272	229	235	238	240	244	246	544	585	602	752	853	477	345	215	189	156	256	387	397	226			
SRV OCGT-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
SRV 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	0
Syncon		625	625	625	625	625	625	625	726	726	726	575	576	323	474	625	726	726	474	474	474	474	474	474	302	302	151	388	388	388	151	151	302	302	302	302	302	388	474	474	474	474	474	388	388	474	474	474	323	323		
Hydro		123	130	92	138	214	158	169	129	128	133	266	218	290	198	174	134	86	253	273	88	102	74	140	129	149	112	122	125	183	216	90	111	101	101	103	75	109	155	154	111	71	108	96	91	144	124	248	215			
S.Reserve Total		1469	1477	1448	1769	2143	2188	2327	2513	2356	2626	2764	2791	2697	2552	2936	2806	2756	2308	1953	1437	1219	1021	960	1018	1072	1174	1299	1097	913	915	989	951	994	1063	1433	1355	1513	1753	1885	1465	1278	1030	998	1023	1280	1261	1194	979			