

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,557 MW
Hydro	1,789 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,796 MW</b>
<b>Total IPP</b>	<b>11,293 MW</b>
<b>Total Co-Gen</b>	<b>35 MW</b>
<b>System Total</b>	<b>18,124 MW</b>

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

At Daily Maximum Demand Hour : 11:30	
TNB Generation	4,699 MW
IPP Generation	10,242 MW
Total Set On Bus	15,901 MW
Maximum Demand	15,077 MW
Spinning Reserve	925 MW
Net Energy	315,627 MWH
Load Factor	87.1 %

**Maximum Demand Record**

<b>Date :</b>	13/05/2013	16,562.0 MW
<b>Date :</b>	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	12573	11692	11479	11194	10771	10795	11053	11184	11672	13382	14192	14933	14791	14502	14914	14887	14894	14523	13737	13580	14321	13997	13552	12896

**Gas Usage**

Station	(mmscfd)
CBPS	54
PAKA	98
PGPS	41
SRDG	31
TJGS	108
<b>TNB Total</b>	<b>332</b>
KLPP	111
MPSS	56
PGLA	113
PKLG	124
PLPS	95
SGB3	86
SGRI	172
SKSP	55
YPGS	69
YPKA	133
<b>IPP Total</b>	<b>1,016</b>
<b>Total Gas</b>	<b>1,348</b>
<b>Total Gas Required :</b>	<b>1,348</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,061.00	10.49 %
Gas	41,640.00	13.21 %
Hydro	15,521.00	4.92 %
<b>Total TNB</b>	<b>90,222.0</b>	<b>28.62 %</b>
ST-Coal	95,435.0	30.28 %
ST-Gas	11,217.0	3.56 %
Gas	117,714.0	37.34 %
<b>Total IPP</b>	<b>224,366.0</b>	<b>71.18 %</b>
Co-Gen	1,091.0	0.35 %
<b>Total Co-Gen</b>	<b>1,091.0</b>	<b>0.35 %</b>
<b>Total Generation</b>	<b>315,679.0</b>	<b>100.15 %</b>
PLTG	486.0	0.15 %
HVDC	-14.0	0.00 %
<b>Interconnection</b>	<b>472.0</b>	<b>0.15 %</b>
<b>Net Energy</b>	<b>315,207.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	225
Hydro	257
Syncon	368
Thermal	102
<b>Total</b>	<b>953</b>

**Weather Temperature**

	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																									
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	79	80	80	78	38	33	35	35	34	36	31	29	-1	-1	-1	-1	81	80	80	-1	-1	-1	-1	-1	-1									
TMGR	HY04	35	38	37	40	58	40	40	78	39	40	44	43	58	39	38	39	35	39	38	39	39	41	46	36	36	35	42	37	40	39	39	41	34	32	37	32	36	40	34	33	34	33	33	30	31	34	27		
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	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		522	459	426	433	550	556	553	573	512	449	449	457	538	551	530	358	301	441	549	528	532	831	1093	1206	1150	1000	998	948	986	998	934	785	851	852	664	531	520	529	536	887	874	879	588	522	514	516	522	515	
PCUF	CUFG	24	23	25	23	23	24	24	25	24	24	24	24	25	23	23	24	24	24	23	24	23	24	23	24	23	24	23	23	23	22	24	23	24	24	24	24	25	23	25	24	23	24	25	24	25	24	25		
PCUF	CUFK	15	17	16	18	18	17	19	18	18	17	18	19	19	19	19	17	17	15	14	14	12	12	12	11	10	12	12	13	11	12	13	15	16	23	22	22	21	23	23	23	25	27	24	24	25	25			
Total Co-Gen		39	40	41	41	41	40	41	44	42	41	41	42	43	44	42	42	43	41	41	38	37	35	36	35	35	34	35	35	36	33	36	36	39	40	46	46	46	46	46	48	47	48	51	49	48	48	48		
Total Gen		12680	12299	11820	11736	11425	11371	11177	11098	10905	10912	10860	10996	11172	11372	11204	11027	11604	12814	13463	13843	14201	14502	14877	14986	14820	14857	14462	14610	14903	15020	14924	14807	14875	14849	14518	14044	13706	13446	13600	14207	14292	14315	14025	13904	13519	13224	12853	12414	
TIE-EGAT		0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	
TIE-PLTG		133	209	150	116	-33	84	5	-34	154	55	86	50	140	22	41	6	-48	31	104	-4	30	-15	-36	-71	52	11	-16	-4	11	11	59	-21	5	-21	21	-19	-11	76	42	1	-9	6	47	10	-11	12	-22	-29	
Interconnection		104	179	120	86	-63	54	-25	-64	124	25	56	20	110	-8	11	-24	-78	1	73	-35	0	-45	-66	-101	22	-19	-47	-35	-19	-19	29	-51	-25	-51	-10	-50	-40	47	12	-29	-39	-24	16	-21	-42	-19	-52	-59	
System Total		12576	12120	11700	11650	11488	11317	11202	11162	10781	10887	10804	10976	11062	11380	11193	11051	11682	12813	13390	13878	14201	14547	14943	15087	14798	14576	14509	14645	14922	15039	14895	14858	14900	14900	14528	14094	13746	13399	13588	14236	14331	14339	14009	13925	13561	13243	12905	12473	
SRev ST-Coal		129	118	147	127	147	105	124	123	164	165	160	165	130	115	121	122	101	105	123	122	124	123	113	108	122	119	121	127	133	125	115	118	111	126	117	114	118	114	131	114	112	108	130	113	122	99	127	123	
SRev ST-Gas		0	83	75	74	75	74	75	73	73	75	75	74	73	73	75	82	23	5	2	-1	-2	-2	0	-1	-4	-2	-3	-1	-3	-2	0	1	0	-1	-3	-2	-3	-2	0	-1	-1	-1	-2	-1	-1	54	78		
SRev CCGI-Gas		289	465	768	859	1266	1368	1538	1640	1730	1657	1713	1582	1523	1353	1492	1495	1595	876	525	320	266	274	182	225	306	291	380	224	260	188	223	189	196	208	306	160	350	624	459	218	123	111	187	104	411	519	226	592	
SRev OCGI-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	31	23	21	23	40	173	173	125	57	-6	1	-5	-5	-4	54	92	0	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		625	625	625	625	625	474	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro		103	166	94	87	75	220	223	32	113	176	176	168	87	74	95	267	219	184	227	97	118	340	375	262	318	368	370	420	482	470	434	433	367	517	404	94	105	96	89	275	237	232	137	103	111	109	103	110	
S.Reserve Total		1146	1457	1814	1877	2188	2241	2434	2513	2705	2698	2749	2615	2439	2240	2406	2584	2527	1813	1354	1254	1163	1297	991	920	1087	1249	1344	1195	1233	1076	1073	1037	972	998	1182	1082	1196	1456	1302	995	1010	989	1078	980	1268	1351	1135	1528	