

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,202	MW
Hydro	1,619	MW
Distillate	0	MW
<b>Total TNB</b>	<b>6,961</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,947</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>50</b>	<b>MW</b>
<b>System Total</b>	<b>17,958</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30

TNB Generation	5,222	MW
IPP Generation	9,740	MW
Total Set On Bus	15,991	MW
Maximum Demand	15,088	MW
Spinning Reserve	979	MW
Net Energy	317,786	MWH
Load Factor	87.8	%

**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	13256	12492	12196	11528	11258	11127	11127	11240	11592	13175	13834	14461	14395	14108	14311	14827	15017	14795	13699	13412	14434	14378	13894	13477

**Gas Usage**

Station	(mmscfd)
CBPS	54
GLGR	32
PAKA	98
PGPS	27
SRDG	31
TJGS	113
<b>TNB Total</b>	<b>355</b>
KLPP	106
MPSS	56
PDPS	42
PGLA	114
PKLG	131
PLPS	92
PTEK	33
SGB3	36
SGRI	182
SKSP	53
YPKA	133
<b>IPP Total</b>	<b>977</b>
<b>Total Gas</b>	<b>1,332</b>
<b>Total Gas Required :</b>	<b>1,332</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,637.00	15.62 %
Gas	44,445.00	13.99 %
Hydro	12,425.00	3.91 %
<b>Total TNB</b>	<b>106,507.0</b>	<b>33.52 %</b>
ST-Coal	89,728.0	28.24 %
ST-Gas	9,744.0	3.07 %
Gas	109,746.0	34.53 %
<b>Total IPP</b>	<b>209,218.0</b>	<b>65.84 %</b>
Co-Gen	1,389.0	0.44 %
<b>Total Co-Gen</b>	<b>1,389.0</b>	<b>0.44 %</b>
<b>Total Generation</b>	<b>317,114.0</b>	<b>99.79 %</b>
PLTG	32.0	0.01 %
HVDC	-704.0	-0.22 %
Interconnection	-672.0	-0.21 %
<b>Net Energy</b>	<b>317,786.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	250
Hydro	182
Syncon	401
Thermal	124
<b>Total</b>	<b>956</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
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
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	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	34	29	31	34	39	34	36	35	34	35	34	36	38	35	33	36	32	36	33	32	35	32	37	32
UPLA	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		479	443	460	461	406	362	272	176	167	168	178	192	212	195	160	201	273	502	479	480	486	566	656	747
PCUF	CUFG	22	22	22	22	21	22	22	23	24	23	23	22	21	22	22	22	22	23	24	23	23	23	23	23
PCUF	CUFK	28	30	30	28	31	30	34	35	34	34	31	33	30	31	30	32	33	31	32	31	27	29	28	29
Total Co-Gen		50	52	52	50	52	52	56	58	58	57	54	55	51	53	52	54	55	53	55	55	54	54	56	55
Total Gen		13211	12719	12466	12340	12092	11861	11466	11295	11218	11165	11022	10994	11116	11318	11270	11273	11654	12656	13152	13609	13849	14208	14354	14544
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1
TIE-HVDC		-29	-29	-29	-31	-31	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-16	-6	3	8	-73	11	-32	-9	-11	33	-76	-63	19	8	59	66	91	86	6	40	44	-19	-77	-60
Interconnection		-45	-35	-26	-23	-104	-19	-62	-38	-40	4	-105	-93	-11	-21	30	37	62	57	-23	11	15	-49	-107	-90
System Total		13256	12754	12492	12363	12196	11880	11528	11333	11258	11161	11127	11087	11127	11339	11240	11236	11592	12599	13175	13598	13834	14257	14461	14634
SRev ST-Coal		144	187	184	186	189	186	187	188	186	189	189	190	195	190	193	146	147	150	144	141	145	145	144	128
SRev ST-Gas		15	12	15	15	47	45	43	42	44	42	44	43	45	42	34	37	8	3	23	2	4	1	-10	11
SRev CCGT-Gas		417	586	546	589	709	801	1082	1205	1261	1313	1456	1502	1389	1178	1199	1224	1224	656	288	312	168	193	235	140
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	154	76	-22	-9	-6
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
Syncon		625	625	625	625	726	726	726	827	827	827	827	827	827	676	827	827	726	625	625	474	625	625	625	625
Hydro		118	154	137	136	90	134	124	119	128	127	117	103	83	251	135	94	223	95	118	268	111	131	91	60
S.Reserve Total		1319	1564	1507	1551	1761	1892	2162	2381	2446	2498	2631	2666	2537	2340	2396	2325	2357	1514	1219	1372	1127	1076	1088	953