

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,913 MW
Hydro	1,560 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,613 MW</b>
<b>Total IPP</b>	<b>10,417 MW</b>
<b>Total Co-Gen</b>	<b>78 MW</b>
<b>System Total</b>	<b>18,108 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,728 MW
IPP Generation	9,795 MW
Total Set On Bus	16,568 MW
Maximum Demand	15,654 MW
Spinning Reserve	967 MW
Net Energy	328,608 MWH
Load Factor	87.5 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	13350	12691	12217	11899	11563	11501	11562	11461	11831	13414	14368	15066	15052	14639	14876	15487	15654	15293	14262	13778	14878	14741	14265	14097

**Gas Usage**

Station	(mmscfd)
CBPS	63
GLGR	58
PAKA	191
SRDG	66
TJGS	109
<b>TNB Total</b>	<b>488</b>
KLPP	113
MPSS	56
PDPS	35
PGLA	94
PKLG	80
PLPS	81
PTEK	14
SGB3	67
SGRI	181
SKSP	37
YPGS	68
YPKA	131
<b>IPP Total</b>	<b>958</b>
<b>Total Gas</b>	<b>1,446</b>

Total Gas Required : 1,446  
Gas Calorific Value : 38,500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,656.00	15.11 %
Gas	59,336.00	18.06 %
Hydro	10,154.00	3.09 %
<b>Total TNB</b>	<b>119,146.0</b>	<b>36.26 %</b>
ST-Coal	86,439.0	26.30 %
ST-Gas	5,332.0	1.62 %
Gas	115,106.0	35.03 %
<b>Total IPP</b>	<b>206,877.0</b>	<b>62.96 %</b>
Co-Gen	2,103.0	0.64 %
<b>Total Co-Gen</b>	<b>2,103.0</b>	<b>0.64 %</b>
<b>Total Generation</b>	<b>328,126.0</b>	<b>99.85 %</b>
PLTG	216.0	0.07 %
HVDC	-698.0	-0.21 %
<b>Interconnection</b>	<b>-482.0</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>328,608.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	262
Hydro	95
Syncon	440
Thermal	199
<b>Total</b>	<b>996</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 35





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	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
TMGR	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
TMGR	HY04	32	40	39	37	35	34	39	32	44	35	31	32	37	39	31	35	35	39	38	34	34	34	76	76
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
<b>Total Hydro</b>		206	217	215	214	210	209	216	230	220	210	204	206	235	237	205	210	208	238	275	468	325	574	527	597
PCUF	CUFG	53	53	55	53	52	52	53	52	52	51	52	52	53	53	51	54	50	53	51	53	54	51	54	52
PCUF	CUFK	31	32	33	33	31	32	32	32	30	32	31	32	31	32	33	33	32	31	29	25	26	26	26	26
<b>Total Co-Gen</b>		84	85	88	86	83	84	85	84	82	84	82	84	83	85	84	83	87	83	85	82	82	79	77	79
<b>Total Gen</b>		13365	12966	12532	12401	12169	12131	11857	11742	11545	11530	11489	11387	11554	11593	11506	11484	11837	12733	13351	14026	14319	14716	15004	15092
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
TIE-HVDC		-29	-29	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-28
TIE-PLTG		44	-87	-129	8	-19	19	-12	30	12	57	17	79	21	-17	74	98	35	-26	-34	50	-20	8	-32	-59
Interconnection		15	-116	-159	-21	-48	-11	-42	0	-18	28	-12	50	-8	-46	45	69	6	-55	-63	21	-49	-22	-62	-88
<b>System Total</b>		13350	13082	12691	12422	12217	12142	11899	11742	11563	11502	11501	11307	11562	11639	11461	11415	11831	12788	13414	14005	14368	14738	15066	15180
SRev ST-Coal		214	207	213	212	214	214	210	216	210	209	219	217	216	224	209	211	217	208	220	219	230	217	210	213
SRev ST-Gas		38	39	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	41	27	19	13	10	12
SRev ST-Oil		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 CCGT-Gas		305	373	647	540	756	807	1083	1212	1385	1403	1445	1571	1394	1365	1417	1804	1326	754	369	461	104	143	136	148
SRev OCGT-Gas		30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	157	261	60	41	58
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		731	731	731	731	731	731	580	731	731	731	731	580	580	731	731	731	580	731	474	625	474	474	474	474
Hydro		108	97	99	100	104	105	98	230	89	99	105	103	225	223	104	99	101	222	189	208	200	102	199	129
<b>S.Reserve Total</b>		1426	1447	1727	1620	1842	1894	2163	2274	2463	2485	2532	2666	2458	2426	2518	2885	2411	1815	1538	1443	1324	1223	1096	1014