

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,684 MW
Hydro	1,855 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,679 MW</b>
<b>Total IPP</b>	<b>9,140 MW</b>
<b>Total Co-Gen</b>	<b>49 MW</b>
<b>System Total</b>	<b>16,868 MW</b>

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

At Daily Maximum Demand Hour : 15:30	
TNB Generation	7,305 MW
IPP Generation	8,258 MW
Total Set On Bus	16,408 MW
Maximum Demand	15,659 MW
Spinning Reserve	796 MW
Net Energy	326,265 MWH
Load Factor	86.8 %

**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	12872	12191	11738	11383	11225	11263	11417	11418	12057	13751	14795	15296	15259	15023	15535	15605	15532	15157	14074	14310	14640	14422	13907	13263

**Gas Usage**

Station	(mmscfd)
CBPS	97
GLGR	58
PAKA	202
PGGS	12
PGPS	44
SRDG	71
TIGS	112
<b>TNB Total</b>	<b>596</b>
KLPP	79
MPSS	65
PDPS	42
PGLA	56
PKLG	20
PLPS	77
PTEK	47
SGB3	42
SGRI	187
SKSP	54
YPGS	33
YPKA	131
<b>IPP Total</b>	<b>833</b>
<b>Total Gas</b>	<b>1,429</b>
Total Gas Required :	1,551
Gas Calorific Value :	38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	17
PKLG	91
SGRI	14
<b>Total</b>	<b>122</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,557.00	15.19 %
ST-Oil	1,624.00	0.50 %
Gas	71,290.00	21.85 %
Hydro	24,250.00	7.43 %
<b>Total TNB</b>	<b>146,721.0</b>	<b>44.97 %</b>
ST-Coal	62,743.0	19.23 %
ST-Gas	1,820.0	0.56 %
ST-Oil	9,093.0	2.79 %
Gas	102,464.0	31.41 %
Distillate	1,128.0	0.35 %
<b>Total IPP</b>	<b>177,248.0</b>	<b>54.33 %</b>
Co-Gen	1,271.0	0.39 %
<b>Total Co-Gen</b>	<b>1,271.0</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>325,240.0</b>	<b>99.69 %</b>
PLTG	-327.0	-0.10 %
HVDC	-698.0	-0.21 %
<b>Interconnection</b>	<b>-1,025.0</b>	<b>-0.31 %</b>
<b>Net Energy</b>	<b>326,265.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	395
Hydro	247
Syncon	99
Thermal	108
<b>Total</b>	<b>849</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
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
KNYR	HY03	98	98	99	99	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY04	93	93	0	0	0	0	100	100	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
LPJA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	26	26	26	26	26	26	26	26	26	26	26	26
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	7	5	5	8	8
PGAU	HY01	-1	19	-1	-1	-1	-1	-1	-1	-1	108	19	-1	-1	-1	-1	6	110	110	106	109	109	110	110	109
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	107	111	113	111	112	108	112	112	111
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	106	110	112	111	111	108	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	20	105	109	112	109	110	106	110	110	110	110
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	30	30	30	30	30	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	30	30	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	30	78	78	78	77	77	78	78	78	78	78
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	82	83	82	82	78	83	83	83	83
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	77	78	78	78	78	78	78	78	78
TMGR	HY04	33	33	36	37	36	34	37	35	37	34	37	35	37	34	38	33	76	76	76	75	75	75	75	75
UPIA	HY01	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		602	622	516	519	517	514	510	654	653	629	631	626	739	647	617	527	537	551	694	1247	1351	1371	1544	1549
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	14	14	15	15	15	14	15	15	16	14	15	14	15	16	13	14	14	13	7	7	7	6	8	
PCUF	CUFK	41	41	40	40	39	41	39	40	42	42	40	40	40	39	38	38	37	37	44	40	40	41	40	
Total Co-Gen		55	55	55	55	54	55	54	55	58	56	55	54	55	55	55	55	57	53	54	53	51	45	44	
Total Gen		12757	12372	12177	11967	11650	11576	11387	11315	11137	11006	11114	11064	11345	11510	11390	11218	11946	13053	13749	14447	14732	15002	15217	
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		-28	-30	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-87	-73	13	-21	-59	-4	33	-9	-59	-101	-120	-107	-43	-79	1	-58	-82	-70	27	43	-33	-37	-30	
Interconnection		-115	-103	-15	-50	-88	-33	4	-38	-88	-130	-149	-136	-72	-108	-28	-87	-111	-99	-2	14	-63	-66	-79	
System Total		12872	12475	12192	12017	11738	11609	11393	11353	11225	11136	11263	11200	11417	11618	11418	11305	12057	13152	13751	14435	14795	15068	15296	
SRev ST-Coal		89	92	103	104	103	100	103	107	112	108	99	109	108	129	109	116	102	102	99	115	120	115	96	
SRev ST-Gas		-1	-2	29	36	35	35	35	35	35	36	36	35	35	35	35	36	36	36	33	35	0	0	0	
SRev ST-Oil		11	2	0	42	40	39	38	38	37	37	38	38	38	38	37	42	-1	0	1	1	1	38	29	
SRev CCGT-Gas		470	569	413	289	512	578	760	972	1148	1257	1158	1193	1027	749	859	934	593	262	512	367	271	196	172	
SRev OCGT-Gas		97	0	0	0	0	0	0	0	0	0	0	0	0	0	281	137	108	235	115	144	74	258	185	
SRev Distillate		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 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	474	625	625	625	625	474	474	625	625	625	474	474	625	625	625	625	237	237	237	237	0	0	
Hydro		81	212	67	64	66	69	73	205	206	79	77	82	120	212	91	105	95	86	327	212	258	389	304	

*Daily MW Generation On Wednesday*

30-Oct-2013

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																								
S.Reserve Total		1372	1347	1237	1160	1381	1446	1634	1831	2012	2142	2033	2082	1802	1638	1758	1852	1492	1390	1736	1076	1158	935	752	823	991	1096	1132	995	938	782	827	796	879	986	1108	1021	1465	1388	1122	964	978	965	973	921	1052	1108	1178	1141