

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,378 MW
Hydro	1,829 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,737 MW</b>
<b>Total IPP</b>	<b>10,589 MW</b>
<b>Total Co-Gen</b>	<b>69 MW</b>
<b>System Total</b>	<b>18,955 MW</b>

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

At Daily Maximum Demand Hour : 20:30		
TNB Generation	4,456	MW
IPP Generation	5,666	MW
Total Set On Bus	11,219	MW
Maximum Demand	10,210	MW
Spinning Reserve	1,028	MW
Net Energy	210,973	MWH
Load Factor	86.1	%

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	9558	9083	8733	8410	8214	8077	8037	7926	7614	7930	8331	8688	8635	8743	8751	8833	8834	8766	8780	9117	10163	10184	9943	9726

**Gas Usage**

Station	(mmscfd)
GLGR	63
PGPS	51
SRDG	14
TJGS	221
<b>TNB Total</b>	<b>349</b>
KLPP	119
PGLA	121
PLPS	121
SGB3	115
SKSP	59
YPGS	25
YPKA	51
<b>IPP Total</b>	<b>611</b>
<b>Total Gas</b>	<b>960</b>
<b>Total Gas Required :</b>	<b>960</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,310.00	12.94 %
Gas	47,824.00	22.67 %
Hydro	9,921.00	4.70 %
<b>Total TNB</b>	<b>85,055.0</b>	<b>40.32 %</b>
ST-Coal	41,293.0	19.57 %
ST-Gas	428.0	0.20 %
Gas	81,289.0	38.53 %
<b>Total IPP</b>	<b>123,010.0</b>	<b>58.31 %</b>
Co-Gen	1,915.0	0.91 %
<b>Total Co-Gen</b>	<b>1,915.0</b>	<b>0.91 %</b>
<b>Total Generation</b>	<b>209,980.0</b>	<b>99.53 %</b>
PLTG	-384.0	-0.18 %
HVDC	-609.0	-0.29 %
<b>Interconnection</b>	<b>-993.0</b>	<b>-0.47 %</b>
<b>Net Energy</b>	<b>210,973.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	141
Hydro	120
Syncon	447
Thermal	287
<b>Total</b>	<b>995</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
CEND	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HY01	35	34	34	34	34	33	35	33	33	33	34	34	35	36	36	36	36	36	36	36	35	35	36	36
KNYR	HY01	97	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	41	-1	-1	-1	-1	96	96	96
KNYR	HY02	98	98	99	80	100	61	101	101	61	60	59	59	71	78	62	57	57	72	89	80	101	101	101	76
KNYR	HY03	96	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	96	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	19	19	23	19	19	19	19	18	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	6	6	6	6	6	6	6	6	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4
PGAU	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
PGAU	HY02	113	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	81	-1	-1	-1	-1	-1	-1	-1	-1	24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	50	50	50	50	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	25	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	HY02	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	HY03	33	31	31	31	34	31	33	31	31	29	28	28	31	32	32	26	26	29	30	30	39	44	41	81
TMGR	HY04	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPLA	HY02	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		1046	882	475	452	476	431	326	221	181	178	202	171	213	196	202	164	164	215	236	227	260	266	263	
PCUF	CUFG	52	51	51	51	51	51	52	51	51	52	51	51	51	50	48	49	50	48	48	49	48	47	45	45
PCUF	CUFK	40	31	30	30	29	29	30	30	28	31	32	31	30	30	30	30	31	28	26	26	24	25	23	22
Total Co-Gen		92	82	81	81	80	80	81	82	79	82	84	82	81	81	82	82	79	77	77	74	73	72	72	70
Total Gen		9546	9324	9077	8852	8663	8528	8358	8240	8178	8089	8041	7992	8067	8054	7971	7630	7585	7741	7861	8075	8212	8437	8520	
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		31	30	30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-43	-20	-36	-22	-41	-13	-23	-33	-7	-9	-7	-34	59	44	74	-10	1	4	-40	2	-90	-57	-140	
Interconnection		-12	10	-6	-51	-70	-42	-52	-62	-36	-38	-36	-63	30	15	45	-40	-29	-25	-69	-27	-119	-85	-168	
System Total		9558	9314	9083	8903	8733	8570	8410	8302	8214	8127	8077	8055	8037	8039	7926	7670	7614	7766	7930	8102	8331	8522	8688	
SRev ST-Coal		400	397	394	393	411	409	409	405	410	409	409	410	411	409	409	409	406	408	404	406	408	406	408	
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		128	184	172	160	187	340	343	344	361	373	377	369	341	336	423	558	187	118	244	156	138	152	197	
SRev OCGT-Gas		2	3	1	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		237	474	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
Hydro		240	167	78	101	77	122	77	82	122	125	251	131	240	106	251	138	138	137	116	125	92	86	89	
S.Reserve Total		1007	1225	1371	1380	1401	1597	1555	1557	1619	1633	1612	1636	1566	1579	1655	1835	1461	1392	1495	1416	1365	1356	1375	