

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	155	MW
Gas	3,502	MW
Hydro	1,620	MW
Distillate	845	MW
<b>Total TNB</b>	<b>7,322</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,612</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>70</b>	<b>MW</b>
<b>System Total</b>	<b>19,004</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,206 MW
IPP Generation	9,336 MW
Total Set On Bus	15,492 MW
Maximum Demand	14,633 MW
Spinning Reserve	880 MW
Net Energy	304,078 MWH
Load Factor	86.6 %

**Maximum Demand Record**

<b>Date :</b>	09/05/2011	15,476.0 MW
<b>Date :</b>	10/05/2011	318,459.0 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	12189	11631	11237	10932	10804	10381	10468	10601	11128	12750	13613	14194	14314	14020	14473	14528	14523	14134	13005	12983	13803	13615	13158	12655

**Gas Usage**

Station	(mmscfd)
CBPS	36
GLGR	55
PAKA	173
PGPS	23
TJGS	51
<b>TNB Total</b>	<b>338</b>
KLPP	31
MPSS	44
PGLA	83
PLPS	110
SGB3	45
SGRI	27
SKSP	32
YPGS	34
YPKA	140
<b>IPP Total</b>	<b>546</b>
<b>Total Gas</b>	<b>884</b>

**Total Gas Required :** 1,253  
**Gas Calorific Value :** 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	48
PGPS	58
PKLG	120
SGB3	22
SGRI	20
TEWA	0
TJGS	101
<b>Total</b>	<b>369</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,313.00	8.98 %
ST-Oil	3,190.00	1.05 %
Gas	42,939.00	14.12 %
Hydro	12,441.00	4.09 %
Distillate	18,115.00	5.96 %
<b>Total TNB</b>	<b>103,998.0</b>	<b>34.20 %</b>
ST-Coal	100,599.0	33.08 %
ST-Oil	11,787.0	3.88 %
Gas	73,505.0	24.17 %
Distillate	11,616.0	3.82 %
<b>Total IPP</b>	<b>197,507.0</b>	<b>64.95 %</b>
Co-Gen	1,849.0	0.61 %
<b>Total Co-Gen</b>	<b>1,849.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>303,354.0</b>	<b>99.76 %</b>
PLTG	-30.0	-0.01 %
HVDC	-694.0	-0.23 %
<b>Interconnection</b>	<b>-724.0</b>	<b>-0.24 %</b>
<b>Net Energy</b>	<b>304,078.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	291
Hydro	166
Syncon	451
Thermal	39
<b>Total</b>	<b>947</b>

	Weather	Temperature
Morning	Sunny	28
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
SGRI	GT11	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	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	35	36	33	35	35
SGRI	GT13	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
SGRI	ST14	65	65	65	65	65	65	65	64	64	59	61	65	70	67	69	68	71	70	68	61	108	134	135	142
YPGS	GT12	107	107	107	108	107	107	107	107	107	108	107	108	108	106	106	106	105	105	104	104	104	106	102	102
YPGS	ST10	69	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69	69	69	69	69	69	69	69
YPKA	BLK1	387	388	388	389	389	391	391	389	389	389	391	391	390	390	391	391	388	388	383	381	380	380	377	378
YPKA	BLK2	395	393	393	394	394	396	396	394	394	395	395	397	397	396	396	398	398	394	394	390	387	387	387	385
PLPS	GT11	139	125	122	127	119	120	122	119	130	125	119	120	127	140	115	142	115	138	139	140	139	139	137	137
PLPS	GT12	143	128	125	131	124	123	122	123	134	128	120	122	129	146	119	145	118	142	144	143	145	144	142	141
PLPS	GT13	135	117	120	122	122	117	118	112	132	121	112	116	123	138	113	139	111	134	138	131	137	138	140	139
PLPS	ST18	212	204	206	207	201	207	208	203	208	204	203	206	205	217	202	212	199	215	215	214	215	215	214	214
SKSP	BLK1	180	72	0	0	0	0	0	0	0	0	0	0	0	0	279	343	329	237	332	342	343	331	275	
TJGS	GT1A	192	173	173	181	172	168	174	160	196	169	161	171	182	202	137	197	141	214	220	216	216	216	213	213
TJGS	ST1C	102	98	99	100	91	100	101	100	100	93	96	99	100	107	88	105	85	117	121	121	121	121	121	121
Total CCGT-Gas		4453	4125	4099	4117	4020	4033	3929	3896	3980	3903	3881	3910	3940	4071	3894	4087	3897	4740	5198	5601	5824	6011	6021	6118
BSIA	HY01	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	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
BSIA	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
CEND	HY01	7	7	7	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	7	7	7	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	9
CEND	HY03	8	8	8	8	10	10	10	10	10	10	10	10	9	10	10	9	10	9	9	9	9	9	9	9
KNRG	HY01	22	25	26	27	24	26	25	25	26	25	25	25	29	22	28	21	21	27	21	23	23	25	25	23
KNRG	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
KNRG	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
KNYR	HY01	70	72	83	91	87	77	-1	-1	-1	-1	-1	-1	95	-1	61	82	97	69	97	96	97	97	96	96
KNYR	HY02	75	72	87	98	88	82	91	61	103	95	62	77	94	105	59	105	64	84	103	74	102	101	102	102
KNYR	HY04	74	71	88	98	90	0	0	0	0	0	0	0	66	85	95	74	95	94	94	94	94	95	95	94
LPIA	HY01	17	18	20	20	18	18	18	17	17	17	17	15	15	17	17	15	18	18	18	18	16	17	18	17
LPIA	HY02	16	18	19	19	19	18	18	18	17	17	17	17	17	17	17	18	18	18	12	12	12	12	12	12
MNOR	HY01	5	5	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	5	5	7	7	8	8
PGAU	HY01	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	79	76
PGAU	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
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	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	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
SIHY	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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	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
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	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	41	49	60	62	61	54	63	40	81	67	43	47	63	81	39	43	36	38	81	40	79	80	78	52
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
Total Hydro		357	367	424	477	430	324	263	210	292	269	212	231	286	334	295	257	330	391	490	393	510	668	727	747
KLPP	GT13	132	132	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

