

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	3,971 MW
Hydro	1,808 MW
Distillate	320 MW
<b>Total TNB</b>	<b>7,629 MW</b>
<b>Total IPP</b>	<b>10,649 MW</b>
<b>Total Co-Gen</b>	<b>77 MW</b>
<b>System Total</b>	<b>18,355 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,644 MW
IPP Generation	9,482 MW
Total Set On Bus	16,163 MW
Maximum Demand	14,870 MW
Spinning Reserve	960 MW
Net Energy	311,450 MWH
Load Factor	87.3 %

**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	12037	11478	11023	10797	10604	10403	10675	10948	11359	13026	13795	14415	14451	14068	14674	14817	14870	14598	13547	13417	14349	14155	13656	13328

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	138
PGPS	27
SRDG	3
TJGS	165
<b>TNB Total</b>	<b>440</b>
KLPP	52
MPSS	57
PGLA	61
SGB3	85
SGRI	98
SKSP	54
YPGS	34
YPKA	129
<b>IPP Total</b>	<b>571</b>
<b>Total Gas</b>	<b>1,011</b>

Total Gas Required : 1,325  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	42
PDPS	7
PGLA	37
PGPS	15
PKLG	135
PTEK	9
SGRI	58
SRDG	13
<b>Total</b>	<b>314</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,014.00	10.60 %
Gas	57,122.00	18.34 %
Hydro	15,783.00	5.07 %
Distillate	2,851.00	0.92 %
<b>Total TNB</b>	<b>108,770.0</b>	<b>34.92 %</b>
ST-Coal	93,045.0	29.87 %
ST-Oil	13,311.0	4.27 %
Gas	75,062.0	24.10 %
Distillate	19,017.0	6.11 %
<b>Total IPP</b>	<b>200,435.0</b>	<b>64.36 %</b>
Co-Gen	2,201.0	0.71 %
<b>Total Co-Gen</b>	<b>2,201.0</b>	<b>0.71 %</b>
<b>Total Generation</b>	<b>311,406.0</b>	<b>99.99 %</b>
PLTG	-468.0	-0.15 %
HVDC	424.0	0.14 %
<b>Interconnection</b>	<b>-44.0</b>	<b>-0.01 %</b>
<b>Net Energy</b>	<b>311,450.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	377
Hydro	189
Syncon	334
Thermal	4
<b>Total</b>	<b>905</b>

Weather		Temperature
Morning	Sunny	28





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
KLPP	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
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT11	223	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	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	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	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
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Distillate</b>		<b>223</b>	<b>188</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PCUF	CUFG	48	47	47	49	46	49	47	45	49	48	50	46	49	48	50	48	49	48	48	49	48	48	49	48
PCUF	CUFK	38	39	37	36	37	36	37	37	36	37	37	37	38	37	39	38	39	38	38	37	37	38	39	39
<b>Total Co-Gen</b>		<b>86</b>	<b>86</b>	<b>84</b>	<b>85</b>	<b>83</b>	<b>85</b>	<b>84</b>	<b>82</b>	<b>85</b>	<b>85</b>	<b>87</b>	<b>83</b>	<b>86</b>	<b>86</b>	<b>87</b>	<b>87</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>86</b>	<b>85</b>	<b>84</b>	<b>81</b>
<b>Total Gen</b>		<b>12077</b>	<b>11626</b>	<b>11345</b>	<b>11130</b>	<b>11016</b>	<b>10932</b>	<b>10714</b>	<b>10636</b>	<b>10524</b>	<b>10448</b>	<b>10334</b>	<b>10460</b>	<b>10614</b>	<b>10777</b>	<b>10862</b>	<b>10834</b>	<b>11403</b>	<b>12230</b>	<b>13022</b>	<b>13334</b>	<b>13810</b>	<b>13976</b>	<b>14355</b>	<b>14561</b>
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	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		69	0	-104	-18	22	17	-54	-64	-50	-38	-39	-30	-32	-143	-57	-24	73	-48	26	-79	44	-76	-31	-21
<b>Interconnection</b>		<b>40</b>	<b>-29</b>	<b>-133</b>	<b>-47</b>	<b>-7</b>	<b>-12</b>	<b>-83</b>	<b>-93</b>	<b>-80</b>	<b>-68</b>	<b>-69</b>	<b>-60</b>	<b>-61</b>	<b>-172</b>	<b>-86</b>	<b>-55</b>	<b>44</b>	<b>-77</b>	<b>-4</b>	<b>-109</b>	<b>15</b>	<b>-105</b>	<b>-60</b>	
<b>System Total</b>		<b>12037</b>	<b>11655</b>	<b>11478</b>	<b>11177</b>	<b>11023</b>	<b>10944</b>	<b>10797</b>	<b>10729</b>	<b>10604</b>	<b>10516</b>	<b>10403</b>	<b>10520</b>	<b>10675</b>	<b>10949</b>	<b>10948</b>	<b>10889</b>	<b>11359</b>	<b>12307</b>	<b>13026</b>	<b>13443</b>	<b>13795</b>	<b>14081</b>	<b>14415</b>	<b>14611</b>
SRev ST-Coal		32	26	45	44	-17	-32	-15	-11	-15	149	145	143	2	14	33	-10	41	2	-6	-5	-11	35	14	
SRev ST-Oil		-1	-1	-1	-1	2	2	0	0	-1	-1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SRev CCGT-Gas		678	782	740	711	762	861	1075	1137	1240	1196	1271	1190	1151	1005	718	918	721	684	82	469	402	237	245	
SRev OCGT-Gas		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 Distillate		17	52	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	625	625	726	726	575	726	726	726	575	726	726	575	726	726	726	625	625	625	388	388	474	302	302
Hydro		228	166	89	84	99	252	89	99	116	223	115	68	253	73	123	87	147	97	137	282	222	235	170	134
<b>S.Reserve Total</b>		<b>1585</b>	<b>1656</b>	<b>1504</b>	<b>1575</b>	<b>1583</b>	<b>1669</b>	<b>1886</b>	<b>1962</b>	<b>2077</b>	<b>2153</b>	<b>2269</b>	<b>2139</b>	<b>1988</b>	<b>1825</b>	<b>1608</b>	<b>1729</b>	<b>1541</b>	<b>1464</b>	<b>1031</b>	<b>1274</b>	<b>1132</b>	<b>1075</b>	<b>822</b>	