

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,038	MW
Hydro	1,680	MW
Distillate	475	MW
<b>Total TNB</b>	<b>7,403</b>	<b>MW</b>
<b>Total IPP</b>	<b>9,892</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>43</b>	<b>MW</b>
<b>System Total</b>	<b>17,338</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30

TNB Generation	6,375	MW
IPP Generation	8,750	MW
Total Set On Bus	16,007	MW
Maximum Demand	15,274	MW
Spinning Reserve	839	MW
Net Energy	312,453	MWH
Load Factor	85.2	%

**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	12179	11537	11125	10771	10562	10450	10748	10851	11391	13215	14061	14768	14759	14403	15005	15164	15120	14731	13670	13894	14354	13649	13220	12668

**Gas Usage**

Station	(mmscfd)
CBPS	59
GLGR	54
PAKA	134
TJGS	194
<b>TNB Total</b>	<b>441</b>
KLPP	44
MPSS	53
PGLA	54
PLPS	107
SGB3	39
SGRI	90
SKSP	38
YPGS	36
YPKA	131

**IPP Total**
**592**
**Total Gas**
**1,033**
**Total Gas Required :** 1,354

**Gas Calorific Value :** 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	11
KLPP	55
PDPS	33
PGGS	1
PGPS	39
PKLG	87
PLPS	8
PTEK	29
SGB3	21
SGRI	21
SRDG	13
TJGS	3
<b>Total</b>	<b>321</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,564.00	15.86 %
ST-Gas	64.00	0.02 %
ST-Oil	1,195.00	0.38 %
Gas	58,377.00	18.68 %
Hydro	12,989.00	4.16 %
Distillate	5,837.00	1.87 %
<b>Total TNB</b>	<b>128,026.0</b>	<b>40.97 %</b>
ST-Coal	78,495.0	25.12 %
ST-Oil	8,488.0	2.72 %
Gas	76,754.0	24.56 %
Distillate	18,568.0	5.94 %
<b>Total IPP</b>	<b>182,305.0</b>	<b>58.35 %</b>
Co-Gen	1,440.0	0.46 %
<b>Total Co-Gen</b>	<b>1,440.0</b>	<b>0.46 %</b>
<b>Total Generation</b>	<b>311,771.0</b>	<b>99.78 %</b>
PLTG	14.0	0.00 %
HVDC	-696.0	-0.22 %
<b>Interconnection</b>	<b>-682.0</b>	<b>-0.22 %</b>
<b>Net Energy</b>	<b>312,453.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	407
Hydro	216
Syncon	313
Thermal	12
<b>Total</b>	<b>948</b>

	Weather	Temperature
Morning	Cloudy	23
Afternoon	Cloudy	32





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
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	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
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
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	94	94	93	93	94	94	93	93	94	94	94	94	94	93	92	92	92	91	93	91	90	90	89	91
PGPS	ST3C	41	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
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
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	121	121	121	121
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	128	126	126	127	127	127	127	126
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	69	98	97	95	95	96	95	95
PLPS	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
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	177	122	22	0	0	0	0	0
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	0	0
<b>Total Distillate</b>		<b>392</b>	<b>390</b>	<b>388</b>	<b>237</b>	<b>198</b>	<b>199</b>	<b>199</b>	<b>134</b>	<b>134</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>136</b>	<b>361</b>	<b>485</b>	<b>501</b>	<b>656</b>	<b>810</b>	<b>1119</b>	<b>1374</b>	<b>1458</b>	<b>1586</b>	<b>1581</b>	
PCUF	CUFG	11	12	11	12	12	12	13	12	12	13	12	13	12	13	12	11	10	12	11	10	10	11	11	
PCUF	CUFK	37	38	38	37	36	37	38	37	37	37	38	36	38	37	38	36	35	33	32	32	28	29	26	27
<b>Total Co-Gen</b>		<b>48</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>48</b>	<b>49</b>	<b>51</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>50</b>	<b>47</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>51</b>	<b>48</b>	<b>47</b>	<b>44</b>	<b>42</b>	<b>44</b>	<b>39</b>	<b>39</b>	
<b>Total Gen</b>		<b>12186</b>	<b>11832</b>	<b>11474</b>	<b>11306</b>	<b>11151</b>	<b>11040</b>	<b>10635</b>	<b>10662</b>	<b>10623</b>	<b>10506</b>	<b>10509</b>	<b>10470</b>	<b>10638</b>	<b>11068</b>	<b>11034</b>	<b>10814</b>	<b>11326</b>	<b>12295</b>	<b>13113</b>	<b>13727</b>	<b>14091</b>	<b>14392</b>	<b>14710</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	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		36	11	-34	-6	55	60	-107	14	90	23	88	-156	-80	-15	212	12	-36	-44	-73	-16	59	29	-29	
<b>Interconnection</b>		<b>7</b>	<b>-18</b>	<b>-63</b>	<b>-35</b>	<b>26</b>	<b>31</b>	<b>-136</b>	<b>-15</b>	<b>61</b>	<b>-6</b>	<b>59</b>	<b>-185</b>	<b>-110</b>	<b>-45</b>	<b>183</b>	<b>-17</b>	<b>-65</b>	<b>-73</b>	<b>-102</b>	<b>-45</b>	<b>30</b>	<b>0</b>	<b>-58</b>	
<b>System Total</b>		<b>12179</b>	<b>11850</b>	<b>11537</b>	<b>11341</b>	<b>11125</b>	<b>11009</b>	<b>10771</b>	<b>10677</b>	<b>10562</b>	<b>10512</b>	<b>10450</b>	<b>10655</b>	<b>10748</b>	<b>11113</b>	<b>10851</b>	<b>10831</b>	<b>11391</b>	<b>12368</b>	<b>13215</b>	<b>13772</b>	<b>14061</b>	<b>14392</b>	<b>14768</b>	
SRev ST-Coal		-3	32	7	-5	-2	-11	20	88	104	87	87	110	96	11	-17	0	10	13	2	15	17	5	12	
SRev ST-Oil		1	1	-3	50	48	37	24	15	6	31	30	30	5	2	2	3	3	3	3	3	3	3	3	0
SRev CCGT-Gas		970	809	1195	1146	1195	1330	1774	1836	1839	1942	1932	1767	1561	1176	1198	1727	1566	869	608	561	530	216	182	
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		23	25	27	38	77	76	76	1	1	0	0	0	0	0	-1	234	160	144	259	163	72	35	181	
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		726	726	726	575	726	726	726	726	726	575	726	726	726	726	575	323	151	151	388	474	323	323	625	
Hydro		173	103	101	242	156	154	99	139	168	147	127	122	93	135	176	134	128	217	219	212	207	472	174	
<b>S.Reserve Total</b>		<b>1890</b>	<b>1796</b>	<b>2153</b>	<b>2146</b>	<b>2300</b>	<b>2412</b>	<b>2819</b>	<b>2905</b>	<b>2944</b>	<b>3033</b>	<b>3002</b>	<b>2704</b>	<b>2481</b>	<b>2050</b>	<b>2084</b>	<b>2824</b>	<b>2593</b>	<b>1821</b>	<b>1414</b>	<b>1105</b>	<b>980</b>	<b>1119</b>	<b>1026</b>	