

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,061 MW
Hydro	1,833 MW
Distillate	960 MW
<b>Total TNB</b>	<b>7,374 MW</b>
<b>Total IPP</b>	<b>10,818 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>System Total</b>	<b>18,249 MW</b>

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

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,714 MW
IPP Generation	9,549 MW
Total Set On Bus	16,151 MW
Maximum Demand	15,298 MW
Spinning Reserve	831 MW
Net Energy	311,019 MWH
Load Factor	84.7 %

**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	11673	11184	10953	10549	10364	10118	10497	10598	11362	13087	13921	14719	14673	14440	14959	15174	15196	14736	13740	13935	14372	14026	13431	13117

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	60
PAKA	124
TJGS	103
<b>TNB Total</b>	<b>334</b>
KLPP	73
MPSS	57
PGLA	54
PLPS	99
SGB3	44
SGRI	106
SKSP	58
YPGS	65
YPKA	106
<b>IPP Total</b>	<b>662</b>
<b>Total Gas</b>	<b>996</b>

Total Gas Required : 1,289  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	24
PDPS	11
PKLG	67
SGB3	41
SGRI	27
SRDG	23
TJGS	98
<b>Total</b>	<b>293</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	36,980.00	11.89 %
Gas	42,509.00	13.67 %
Hydro	13,411.00	4.31 %
Distillate	16,252.00	5.23 %
<b>Total TNB</b>	<b>109,152.0</b>	<b>35.09 %</b>
ST-Coal	94,684.0	30.44 %
ST-Oil	6,642.0	2.14 %
Gas	87,180.0	28.03 %
Distillate	12,557.0	4.04 %
<b>Total IPP</b>	<b>201,063.0</b>	<b>64.65 %</b>
Co-Gen	1,550.0	0.50 %
<b>Total Co-Gen</b>	<b>1,550.0</b>	<b>0.50 %</b>
<b>Total Generation</b>	<b>311,765.0</b>	<b>100.24 %</b>
PLTG	22.0	0.01 %
HVDC	724.0	0.23 %
<b>Interconnection</b>	<b>746.0</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>311,019.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	441
Hydro	190
Syncon	354
Thermal	12
<b>Total</b>	<b>997</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 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	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	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	129	128	128	127	127	127	127	127	
SGB3	GT33	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	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	
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	
TJGS	GT2A	174	170	171	170	171	171	170	171	170	171	236	236	237	237	236	235	234	200	121	226	228	227	227	227	
TJGS	GT2B	171	169	167	168	169	168	169	168	167	168	168	0	0	0	0	0	0	58	118	223	226	224	224	223	
TJGS	ST2C	204	213	212	211	212	211	211	212	212	211	119	118	120	116	117	117	117	112	94	87	247	242	244	244	
<b>Total Distillate</b>		<b>549</b>	<b>552</b>	<b>550</b>	<b>549</b>	<b>552</b>	<b>550</b>	<b>551</b>	<b>550</b>	<b>550</b>	<b>549</b>	<b>551</b>	<b>355</b>	<b>354</b>	<b>357</b>	<b>353</b>	<b>354</b>	<b>353</b>	<b>580</b>	<b>600</b>	<b>725</b>	<b>696</b>	<b>1066</b>	<b>1342</b>	<b>1438</b>	
PCUF	CUFG	17	18	19	17	18	17	19	17	18	18	19	18	18	18	18	18	18	18	18	18	18	18	18	18	
PCUF	CUFK	40	41	41	40	40	41	41	40	41	40	41	40	41	39	41	41	40	40	39	40	42	41	39	39	
<b>Total Co-Gen</b>		<b>57</b>	<b>59</b>	<b>60</b>	<b>57</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>57</b>	<b>59</b>	<b>58</b>	<b>60</b>	<b>58</b>	<b>61</b>	<b>57</b>	<b>59</b>	<b>59</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>58</b>	<b>59</b>	<b>58</b>	<b>55</b>	<b>55</b>	
<b>Total Gen</b>		<b>11746</b>	<b>11527</b>	<b>11338</b>	<b>11227</b>	<b>10926</b>	<b>10876</b>	<b>10604</b>	<b>10474</b>	<b>10287</b>	<b>10254</b>	<b>10130</b>	<b>10339</b>	<b>10411</b>	<b>10547</b>	<b>10593</b>	<b>10698</b>	<b>11404</b>	<b>12377</b>	<b>13042</b>	<b>13699</b>	<b>14008</b>	<b>14435</b>	<b>14751</b>	<b>14955</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		30	31	31	30	30	30	30	30	29	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		44	-45	124	142	-56	98	26	-11	-106	-57	-16	-26	-116	46	-33	-40	13	25	-76	-33	57	9	2	-20	
Interconnection		74	-14	155	172	-26	128	56	19	-76	-28	13	5	-85	76	-3	-10	43	56	-45	-3	87	39	32	10	
<b>System Total</b>		<b>11672</b>	<b>11541</b>	<b>11183</b>	<b>11055</b>	<b>10952</b>	<b>10748</b>	<b>10548</b>	<b>10455</b>	<b>10363</b>	<b>10282</b>	<b>10117</b>	<b>10334</b>	<b>10496</b>	<b>10471</b>	<b>10596</b>	<b>10708</b>	<b>11361</b>	<b>12321</b>	<b>13087</b>	<b>13702</b>	<b>13921</b>	<b>14396</b>	<b>14719</b>	<b>14945</b>	
SRev ST-Coal		23	12	8	17	24	13	0	13	167	156	148	137	110	8	8	23	4	9	-2	20	7	12	3	6	
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	0
SRev CCGT-Gas		362	611	697	692	1006	1043	1366	1452	1531	1595	1746	1408	1370	1269	1239	1318	1496	628	430	517	653	570	487	404	
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	0
SRev Distillate		151	148	150	151	148	150	149	150	150	151	149	-5	-4	-7	-3	-4	-3	50	30	265	294	-76	58	82	
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	0
Syncon		726	726	726	726	726	726	726	726	575	726	726	726	726	575	726	726	726	625	323	323	323	323	172	172	
Hydro		129	115	121	124	108	130	95	122	78	207	131	73	68	134	267	82	196	202	118	151	236	283	322	313	
<b>S.Reserve Total</b>		<b>1391</b>	<b>1612</b>	<b>1752</b>	<b>1760</b>	<b>2062</b>	<b>2112</b>	<b>2336</b>	<b>2463</b>	<b>2652</b>	<b>2684</b>	<b>2900</b>	<b>2339</b>	<b>2270</b>	<b>2130</b>	<b>2086</b>	<b>2145</b>	<b>2419</b>	<b>1615</b>	<b>1290</b>	<b>1293</b>	<b>1518</b>	<b>1117</b>	<b>1042</b>	<b>977</b>	