

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	3,286	MW
Hydro	1,829	MW
Distillate	1,100	MW
<b>Total TNB</b>	<b>7,595</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,084</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>43</b>	<b>MW</b>
<b>System Total</b>	<b>18,722</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:30		
TNB Generation	5,195	MW
IPP Generation	9,424	MW
Total Set On Bus	15,699	MW
Maximum Demand	14,676	MW
Spinning Reserve	1,037	MW
Net Energy	314,355	MWH
Load Factor	89.2	%

**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	12653	12255	11821	11382	11057	10970	11200	11367	11580	13201	13998	14500	14462	13978	14244	14479	14646	14260	13422	13237	14276	14174	13589	13059

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	63
PAKA	137
PGPS	12
TJGS	84
<b>TNB Total</b>	<b>353</b>
KLPP	37
MPSS	39
PGLA	93
PKLG	50
PLPS	109
SGB3	62
SGRI	68
SKSP	57
YPKA	69
<b>IPP Total</b>	<b>586</b>
<b>Total Gas</b>	<b>939</b>

Total Gas Required : 1,301  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	73
PDPS	7
PGPS	48
PKLG	29
SGB3	33
SGRI	78
SRDG	9
TJGS	85
<b>Total</b>	<b>362</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,082.00	10.52 %
Gas	45,376.00	14.43 %
Hydro	14,573.00	4.64 %
Distillate	18,193.00	5.79 %
<b>Total TNB</b>	<b>111,224.0</b>	<b>35.38 %</b>
ST-Coal	100,126.0	31.85 %
ST-Gas	4,859.0	1.55 %
ST-Oil	2,946.0	0.94 %
Gas	69,468.0	22.10 %
Distillate	23,798.0	7.57 %
<b>Total IPP</b>	<b>201,197.0</b>	<b>64.00 %</b>
Co-Gen	1,280.0	0.41 %
<b>Total Co-Gen</b>	<b>1,280.0</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>313,701.0</b>	<b>99.79 %</b>
PLTG	44.0	0.01 %
HVDC	-698.0	-0.22 %
<b>Interconnection</b>	<b>-654.0</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>314,355.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	359
Hydro	226
Syncon	376
Thermal	43
<b>Total</b>	<b>1004</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
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	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
PGPS	GT3A	83	84	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	95	95	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	82	82	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	126	126	126	27	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	GT13	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	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	120	121	121	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	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	GT1A	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1B	170	173	168	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST1C	83	83	83	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2A	228	232	233	233	234	232	234	234	234	233	233	231	234	234	233	233	233	233	227	228	228	228	227	200
TJGS	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
TJGS	ST2C	119	116	117	121	120	117	117	117	115	117	120	115	120	87	234	246	244	245	244	244	244	244	245	245
<b>Total Distillate</b>		<b>1474</b>	<b>1367</b>	<b>1361</b>	<b>829</b>	<b>609</b>	<b>606</b>	<b>605</b>	<b>604</b>	<b>567</b>	<b>566</b>	<b>575</b>	<b>571</b>	<b>606</b>	<b>605</b>	<b>846</b>	<b>927</b>	<b>1084</b>	<b>1199</b>	<b>1320</b>	<b>1500</b>	<b>2074</b>	<b>2169</b>	<b>2194</b>	
PCUF	CUPG	17	17	18	18	17	16	18	17	16	17	17	18	18	17	18	17	16	15	15	16	16	16	16	16
PCUF	CUFK	32	31	33	35	34	35	33	33	34	33	35	36	33	33	34	32	33	34	32	31	30	27	27	28
<b>Total Co-Gen</b>		<b>49</b>	<b>48</b>	<b>51</b>	<b>53</b>	<b>51</b>	<b>52</b>	<b>49</b>	<b>51</b>	<b>51</b>	<b>49</b>	<b>52</b>	<b>53</b>	<b>51</b>	<b>51</b>	<b>51</b>	<b>53</b>	<b>51</b>	<b>53</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>47</b>	<b>48</b>	
<b>Total Gen</b>		<b>12548</b>	<b>12427</b>	<b>12099</b>	<b>11710</b>	<b>11772</b>	<b>11496</b>	<b>11386</b>	<b>11279</b>	<b>11073</b>	<b>11057</b>	<b>11047</b>	<b>11049</b>	<b>11113</b>	<b>11301</b>	<b>11313</b>	<b>11246</b>	<b>11601</b>	<b>12435</b>	<b>13082</b>	<b>13670</b>	<b>14072</b>	<b>14381</b>	<b>14498</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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-76	-110	-127	-114	-20	-7	33	-25	45	29	106	5	-58	-44	-25	-41	50	-33	-90	55	103	42	28	
Interconnection		-105	-139	-156	-143	-49	-36	4	-54	16	0	77	-24	-87	-73	-54	-70	21	-62	-119	26	74	13	-2	
<b>System Total</b>		<b>12653</b>	<b>12566</b>	<b>12255</b>	<b>11853</b>	<b>11821</b>	<b>11532</b>	<b>11382</b>	<b>11333</b>	<b>11057</b>	<b>11057</b>	<b>10970</b>	<b>11073</b>	<b>11200</b>	<b>11374</b>	<b>11367</b>	<b>11316</b>	<b>11580</b>	<b>12497</b>	<b>13201</b>	<b>13644</b>	<b>13998</b>	<b>14368</b>	<b>14500</b>	
SRev ST-Coal		29	28	13	27	26	127	137	131	33	31	24	50	22	34	31	34	32	23	23	46	57	42	43	
SRev ST-Gas		-8	-7	-7	-8	-5	28	28	28	28	28	28	28	28	28	28	28	28	6	-7	-9	-8	-8	-9	
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		255	323	177	240	404	552	560	675	865	960	917	960	929	764	754	847	924	964	715	307	170	335	280	
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		481	123	129	391	1	4	5	6	43	44	44	35	39	4	5	34	83	206	231	120	560	236	141	
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		323	237	388	388	625	474	625	625	625	625	625	625	625	625	625	625	474	237	151	151	151	453	453	
Hydro		160	221	171	224	62	203	76	50	127	47	110	49	38	38	38	120	244	321	259	332	198	205	234	
<b>S.Reserve Total</b>		<b>1240</b>	<b>925</b>	<b>871</b>	<b>1262</b>	<b>1198</b>	<b>1473</b>	<b>1516</b>	<b>1600</b>	<b>1806</b>	<b>1820</b>	<b>1833</b>	<b>1832</b>	<b>1766</b>	<b>1578</b>	<b>1566</b>	<b>1773</b>	<b>1870</b>	<b>1864</b>	<b>1470</b>	<b>949</b>	<b>1127</b>	<b>1263</b>	<b>1143</b>	