

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,546	MW
Hydro	1,495	MW
Distillate	400	MW
<b>Total TNB</b>	<b>6,961</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,022</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>75</b>	<b>MW</b>
<b>System Total</b>	<b>18,058</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,382	MW
IPP Generation	9,472	MW
Total Set On Bus	15,847	MW
Maximum Demand	14,978	MW
Spinning Reserve	917	MW
Net Energy	314,110	MWH
Load Factor	87.4	%

**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	12824	12061	11588	11294	11051	10899	11136	11057	11506	12970	13877	14486	14540	14032	14157	14855	14978	14654	13526	13487	14312	14106	13637	13180

**Gas Usage**

Station	(mmscfd)
CBPS	60
GLGR	58
PAKA	140
SRDG	8
TJGS	137
<b>TNB Total</b>	<b>403</b>
KLPP	45
MPSS	61
PDPS	5
PGLA	56
PKLG	2
PLPS	55
PTEK	3
SGB3	73
SGRI	107
SKSP	55
YPGS	34
YPKA	130
<b>IPP Total</b>	<b>626</b>
<b>Total Gas</b>	<b>1,030</b>
<b>Total Gas Required :</b>	<b>1,361</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	49
PDPS	4
PGPS	56
PKLG	65
PLPS	52
SGB3	22
SGRI	52
SRDG	2
TJGS	28
<b>Total</b>	<b>332</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,081.00	10.53 %
ST-Oil	1,334.00	0.42 %
Gas	51,562.00	16.42 %
Hydro	14,127.00	4.50 %
Distillate	9,210.00	2.93 %
<b>Total TNB</b>	<b>109,314.0</b>	<b>34.80 %</b>
ST-Coal	92,551.0	29.46 %
ST-Oil	6,372.0	2.03 %
Gas	81,431.0	25.92 %
Distillate	22,245.0	7.08 %
<b>Total IPP</b>	<b>202,599.0</b>	<b>64.50 %</b>
Co-Gen	2,098.0	0.67 %
<b>Total Co-Gen</b>	<b>2,098.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>314,011.0</b>	<b>99.97 %</b>
PLTG	-25.0	-0.01 %
HVDC	-74.0	-0.02 %
<b>Interconnection</b>	<b>-99.0</b>	<b>-0.03 %</b>
<b>Net Energy</b>	<b>314,110.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	524
Hydro	124
Syncon	277
Thermal	10
<b>Total</b>	<b>934</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
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	12	49	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	19	73	112	138	138	138	138	139	139	132	137	139
SGRI	GT23	105	106	106	106	106	106	105	105	106	106	105	105	108	108	107	107	135	135	134	134	134	134	134	129
SGRI	ST24	62	61	65	64	64	65	62	62	64	64	62	62	63	63	62	129	174	196	212	212	206	206	207	207
YPGS	GT11	128	128	128	126	128	128	126	129	127	126	126	125	125	128	128	125	124	127	124	125	125	123	125	125
YPKA	BLK1	367	368	368	368	368	367	369	369	368	370	370	369	369	370	370	369	369	366	366	361	359	358	358	356
YPKA	BLK2	366	366	366	366	366	368	368	366	366	369	369	367	367	369	369	368	368	364	364	362	362	359	359	358
PLFS	GT11	120	121	141	141	143	104	104	104	104	105	104	105	145	144	103	104	104	0	0	0	0	0	0	0
PLFS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	72	103	48	0	0	0	0	0	0	0	0	0
PLFS	GT13	117	117	149	147	147	108	108	109	109	109	107	149	148	108	108	108	141	148	148	148	148	147	147	145
PLFS	ST18	142	136	145	145	146	130	128	130	131	132	129	130	129	146	151	131	193	170	178	210	207	205	203	
SKSP	BLK1	295	327	305	323	214	253	298	308	252	284	245	285	340	316	297	339	311	344	345	338	323	316	339	
TJGS	GT1A	226	226	230	234	234	230	198	198	198	160	160	125	125	202	130	116	187	223	228	228	228	228	225	
TJGS	GT1B	219	219	222	222	222	183	186	186	149	149	112	115	190	120	102	173	212	219	220	220	220	216	216	
TJGS	ST1C	256	256	256	256	256	225	225	225	198	198	167	167	220	199	157	196	234	255	255	259	259	259	259	
TJGS	GT2A	0	126	128	179	179	179	179	179	178	179	179	178	205	223	222	222	220	220	218	218	216	216	217	
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	66	118	211	209	
TJGS	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	112	112	111	115	129	128	128	128	128	127	127	
<b>Total CCGT-Gas</b>		5236	5324	5465	5472	5270	5203	5091	5053	4987	4931	4880	4814	4893	5305	5155	5138	5659	5974	6030	6313	6379	6531	6563	
CBPS	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
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
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	96	0	11	98	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	110	109	66	
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	80	96	98	97	
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	99	98	100	
<b>Total CCGT-Gas</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	70	120	70	0	0	10	80	218	
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	20	20	20	12	0	11	20	20	
BSIA	HY02	21	0	0	0	0	0	0	0	0	0	0	0	0	0	13	21	21	22	22	14	0	14	13	
BSIA	HY03	20	21	20	21	20	20	21	21	20	20	21	21	19	21	19	21	21	20	13	21	22	22	21	
CEND	HY01	6	7	6	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	7	7	6	7	
CEND	HY02	7	7	7	7	8	9	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	
CEND	HY03	0	0	0	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	32	34	32	33	33	20	23	23	21	22	19	22	25	23	17	23	15	22	24	22	22	34	35	
KNRG	HY02	34	34	34	34	34	22	22	22	21	22	22	22	22	21	22	21	22	21	22	21	22	34	34	
KNYR	HY01	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY02	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	96	96	96	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	59	95	95		
KNYR	HY04	59	70	57	80	55	61	85	81	58	62	56	61	101	48	100	45	72	101	69	62	99	98		
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	24	24	24	24	24	24	24	24	24	24	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	5	5	5	5	
PGAU	HY01	-1	-1	-1	-1	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	148		
PGAU	HY02	-1	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	81	118	145		
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	90	146		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	49	49	0	0	30	50		
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	0	0	30	50		

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	
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	76	-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	81	67	61	67	57	62	68	66	61	64	59	64	74	72	52	68	48	67	71	66	80	80	80	80	
TMGR	HY03	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UPLA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
<b>Total Hydro</b>		<b>482</b>	<b>272</b>	<b>249</b>	<b>281</b>	<b>319</b>	<b>244</b>	<b>277</b>	<b>271</b>	<b>239</b>	<b>248</b>	<b>234</b>	<b>247</b>	<b>335</b>	<b>296</b>	<b>213</b>	<b>290</b>	<b>204</b>	<b>261</b>	<b>297</b>	<b>508</b>	<b>614</b>	<b>805</b>	<b>939</b>	<b>968</b>	
KLPP	GT14	126	69	0	0	0	0	0	0	0	0	0	0	0	0	46	105	126	126	126	125	125	126	125	125	124
KLPP	GT15	127	126	83	0	0	0	0	0	0	0	0	0	0	0	0	128	129	129	128	130	130	130	129	129	128
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	0
PGPS	GT3A	80	82	0	0	0	0	0	0	0	0	0	0	0	0	71	77	77	80	79	79	79	77	80	79	80
PGPS	GT3B	92	92	93	92	93	93	93	95	94	94	93	92	92	94	93	93	92	91	92	91	91	91	91	91	91
PGPS	ST3C	86	42	41	42	42	42	42	42	42	42	42	41	42	41	59	85	86	86	86	86	86	86	86	86	86
SGB3	GT31	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
SGB3	GT33	126	23	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	126	125	125	124	124	123	123	124	124
SGRI	GT12	110	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	128	128	128	128	128	128	128	128
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	124	124	124	124	123	123	122	122	122	122
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	120	119	93	0	0	0	0	0	0	0
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	141	141	141	141	141	141	141	141	141
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	141	141	141	141	141	141	141	141	141
TJGS	GT2A	125	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	GT2B	119	38	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	80	166	99	87	111	112	111	111	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Distillate</b>		<b>1071</b>	<b>696</b>	<b>333</b>	<b>221</b>	<b>246</b>	<b>247</b>	<b>246</b>	<b>248</b>	<b>247</b>	<b>248</b>	<b>247</b>	<b>245</b>	<b>245</b>	<b>136</b>	<b>134</b>	<b>135</b>	<b>177</b>	<b>382</b>	<b>883</b>	<b>1022</b>	<b>1175</b>	<b>1171</b>	<b>1290</b>	<b>1287</b>	
PCUF	CUFG	49	53	52	52	52	53	51	53	53	51	51	52	53	53	52	52	52	51	50	50	48	49	50	49	
PCUF	CUFK	39	39	38	38	39	39	40	40	42	42	41	41	44	44	43	43	41	41	23	23	21	21	20	20	32
<b>Total Co-Gen</b>		<b>88</b>	<b>92</b>	<b>90</b>	<b>90</b>	<b>91</b>	<b>91</b>	<b>93</b>	<b>91</b>	<b>95</b>	<b>95</b>	<b>92</b>	<b>92</b>	<b>96</b>	<b>97</b>	<b>96</b>	<b>95</b>	<b>93</b>	<b>93</b>	<b>75</b>	<b>74</b>	<b>71</b>	<b>71</b>	<b>68</b>	<b>69</b>	
<b>Total Gen</b>		<b>12764</b>	<b>12257</b>	<b>12006</b>	<b>11881</b>	<b>11660</b>	<b>11459</b>	<b>11258</b>	<b>11140</b>	<b>11038</b>	<b>10988</b>	<b>10927</b>	<b>10868</b>	<b>11041</b>	<b>11320</b>	<b>11063</b>	<b>11135</b>	<b>11623</b>	<b>12302</b>	<b>12890</b>	<b>13527</b>	<b>13838</b>	<b>14181</b>	<b>14504</b>	<b>14537</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	0
TIE-HVDC		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
TIE-PLTG		-60	-25	-55	9	72	33	-36	-36	-13	-32	28	-12	-95	-110	6	3	117	-31	-80	-18	-39	-14	18	-33	
<b>Interconnection</b>		<b>-60</b>	<b>-25</b>	<b>-55</b>	<b>9</b>	<b>72</b>	<b>33</b>	<b>-36</b>	<b>-36</b>	<b>-13</b>	<b>-32</b>	<b>28</b>	<b>-12</b>	<b>-95</b>	<b>-110</b>	<b>6</b>	<b>3</b>	<b>117</b>	<b>-31</b>	<b>-80</b>	<b>-18</b>	<b>-39</b>	<b>-14</b>	<b>18</b>	<b>-33</b>	
<b>System Total</b>		<b>12824</b>	<b>12282</b>	<b>12061</b>	<b>11872</b>	<b>11588</b>	<b>11426</b>	<b>11294</b>	<b>11176</b>	<b>11051</b>	<b>11020</b>	<b>10899</b>	<b>10880</b>	<b>11136</b>	<b>11430</b>	<b>11057</b>	<b>11132</b>	<b>11506</b>	<b>12333</b>	<b>12970</b>	<b>13545</b>	<b>13877</b>	<b>14195</b>	<b>14486</b>	<b>14570</b>	
SRev ST-Coal		-17	-3	-5	-11	-6	-5	-19	-14	-4	-3	-11	-7	-9	-23	-2	-14	6	-18	-14	-9	2	-2	-1	1	
SRev ST-Oil		10	10	16	36	36	36	65	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
SRev CCGT-Gas		434	576	725	788	990	1057	1169	1207	1273	1329	1380	1446	1367	1075	1225	1522	1211	911	655	542	406	254	222	262	
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		439	604	412	34	9	8	9	7	8	7	8	10	10	-1	1	0	98	123	182	43	75	79	90	93	
SRev Co-Gen		-7	-6	-4	-5	-6	-5	-6	-4	-6	-5	-4	-6	-9	-8	-4	-5	-1	-4	11	14	5	-3	0	-2	

*Daily MW Generation On Friday*
*05-Oct-2012*

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																								
Syncon		539	389	389	389	238	389	389	389	389	389	389	238	540	540	540	540	540	540	539	539	453	302	453	453	539	388	237	237	151	0	0	0	0	151	453	453	453	453	453	453	539	388						
Hydro		164	67	90	58	181	105	72	78	110	101	115	102	165	52	134	57	143	86	50	140	167	162	229	49	122	40	204	293	285	154	50	202	57	310	249	207	108	85	56	61	67	94	116	135	84	72	84	218
<b>S.Reserve Total</b>		<b>1562</b>	<b>1637</b>	<b>1623</b>	<b>1289</b>	<b>1442</b>	<b>1585</b>	<b>1679</b>	<b>1700</b>	<b>1807</b>	<b>1855</b>	<b>1914</b>	<b>1971</b>	<b>1799</b>	<b>1672</b>	<b>1931</b>	<b>2137</b>	<b>2034</b>	<b>1664</b>	<b>1433</b>	<b>1278</b>	<b>1203</b>	<b>952</b>	<b>929</b>	<b>915</b>	<b>948</b>	<b>1120</b>	<b>959</b>	<b>914</b>	<b>1157</b>	<b>891</b>	<b>897</b>	<b>917</b>	<b>917</b>	<b>1217</b>	<b>1197</b>	<b>1511</b>	<b>1913</b>	<b>1840</b>	<b>1767</b>	<b>1018</b>	<b>1056</b>	<b>1054</b>	<b>1069</b>	<b>1220</b>	<b>1261</b>	<b>1143</b>	<b>1129</b>	<b>1004</b>