

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	3,859	MW
Hydro	1,805	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,804</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,375</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>76</b>	<b>MW</b>
<b>System Total</b>	<b>18,255</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:00	
TNB Generation	6,127 MW
IPP Generation	9,460 MW
Total Set On Bus	16,807 MW
Maximum Demand	15,803 MW
Spinning Reserve	1,144 MW
Net Energy	329,246 MWH
Load Factor	86.8 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	13440	12706	12422	11984	11566	11586	11357	11395	12098	13741	14616	15297	15315	15100	15637	15803	15745	15325	14318	14008	14690	14450	13899	13636

**Gas Usage**

Station	(mmscfd)
CBPS	55
GLGR	57
PAKA	144
PGPS	33
SRDG	50
TJGS	104
<b>TNB Total</b>	<b>444</b>
KLPP	81
MPSS	59
PDPS	40
PGLA	107
PKLG	11
PLPS	89
PTEK	21
SGB3	37
SGRI	176
SKSP	37
YPGS	70
YPKA	132
<b>IPP Total</b>	<b>860</b>
<b>Total Gas</b>	<b>1,304</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	14
PKLG	65
<b>Total</b>	<b>79</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,669.00	15.09 %
ST-Oil	1,314.00	0.40 %
Gas	53,915.00	16.38 %
Hydro	16,992.00	5.16 %
<b>Total TNB</b>	<b>121,890.0</b>	<b>37.02 %</b>
ST-Coal	85,596.0	26.00 %
ST-Oil	6,345.0	1.93 %
Gas	109,482.0	33.25 %
<b>Total IPP</b>	<b>201,423.0</b>	<b>61.18 %</b>
Co-Gen	1,950.0	0.59 %
<b>Total Co-Gen</b>	<b>1,950.0</b>	<b>0.59 %</b>
<b>Total Generation</b>	<b>325,263.0</b>	<b>98.79 %</b>
PLTG	-4,706.0	-1.43 %
HVDC	723.0	0.22 %
<b>Interconnection</b>	<b>-3,983.0</b>	<b>-1.21 %</b>
<b>Net Energy</b>	<b>329,246.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	229
Hydro	189
Syncon	396
Thermal	220
<b>Total</b>	<b>1034</b>

Total Gas Required : 1,383  
Gas Calorific Value : 38.500

	Weather	Temperature
Morning	Rainy	25
Afternoon	Hot	36





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
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	30	30	30	30	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	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	27	30	29	33	35	33	32	31	38	32	34	35	33	30	31	34	33	31	31	29	28	28	58	60
TMGR	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
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
<b>Total Hydro</b>		<b>689</b>	<b>705</b>	<b>700</b>	<b>700</b>	<b>662</b>	<b>586</b>	<b>627</b>	<b>606</b>	<b>521</b>	<b>524</b>	<b>515</b>	<b>516</b>	<b>514</b>	<b>457</b>	<b>468</b>	<b>516</b>	<b>454</b>	<b>469</b>	<b>486</b>	<b>579</b>	<b>552</b>	<b>690</b>	<b>905</b>	
PCUF	CUFG	47	44	42	46	44	44	45	44	44	43	44	44	44	44	44	43	44	44	46	45	44	44	44	44
PCUF	CUFK	26	26	28	29	30	29	30	31	30	29	29	31	31	32	33	32	32	32	34	33	34	35	34	33
<b>Total Co-Gen</b>		<b>73</b>	<b>70</b>	<b>70</b>	<b>75</b>	<b>74</b>	<b>73</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>73</b>	<b>73</b>	<b>72</b>	<b>74</b>	<b>75</b>	<b>76</b>	<b>78</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>78</b>	<b>76</b>	<b>78</b>	<b>80</b>	
<b>Total Gen</b>		<b>13253</b>	<b>12863</b>	<b>12598</b>	<b>12429</b>	<b>12189</b>	<b>11935</b>	<b>11747</b>	<b>11399</b>	<b>11333</b>	<b>11280</b>	<b>11272</b>	<b>11228</b>	<b>11201</b>	<b>11146</b>	<b>11212</b>	<b>11333</b>	<b>11836</b>	<b>13092</b>	<b>13594</b>	<b>14266</b>	<b>14495</b>	<b>14782</b>	<b>15179</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	29	29	30	31	31	31	29	29	30	30
TIE-PLTG		-217	-276	-139	-227	-263	-222	-267	-210	-263	-258	-343	-277	-187	-240	-213	-151	-293	-187	-177	-180	-150	-166	-149	
<b>Interconnection</b>		<b>-187</b>	<b>-245</b>	<b>-108</b>	<b>-197</b>	<b>-233</b>	<b>-192</b>	<b>-237</b>	<b>-180</b>	<b>-233</b>	<b>-229</b>	<b>-314</b>	<b>-246</b>	<b>-156</b>	<b>-210</b>	<b>-183</b>	<b>-120</b>	<b>-262</b>	<b>-157</b>	<b>-147</b>	<b>-151</b>	<b>-121</b>	<b>-136</b>	<b>-118</b>	
<b>System Total</b>		<b>13440</b>	<b>13108</b>	<b>12706</b>	<b>12626</b>	<b>12422</b>	<b>12127</b>	<b>11984</b>	<b>11579</b>	<b>11566</b>	<b>11509</b>	<b>11586</b>	<b>11474</b>	<b>11357</b>	<b>11356</b>	<b>11395</b>	<b>11453</b>	<b>12098</b>	<b>13249</b>	<b>13741</b>	<b>14417</b>	<b>14616</b>	<b>14918</b>	<b>15297</b>	
SRev ST-Coal		221	227	234	225	226	224	230	237	229	230	227	234	234	230	234	233	231	235	229	233	267	294	226	
SRev ST-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 ST-Oil		13	13	23	24	15	14	15	16	15	15	16	15	15	14	10	12	14	14	11	11	13	13	13	
SRev CCGI-Gas		263	448	479	672	873	1127	1422	1736	1737	1776	1776	1815	1841	1848	1791	1714	1441	629	433	424	230	123	147	
SRev OCGI-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	19	28	82	48	
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	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro		101	85	89	89	76	122	81	102	89	237	95	94	96	153	142	245	156	141	126	113	291	100	142	
<b>S.Reserve Total</b>		<b>1223</b>	<b>1398</b>	<b>1450</b>	<b>1635</b>	<b>1815</b>	<b>2112</b>	<b>2373</b>	<b>2716</b>	<b>2695</b>	<b>2732</b>	<b>2739</b>	<b>2783</b>	<b>2811</b>	<b>2870</b>	<b>2802</b>	<b>2678</b>	<b>2467</b>	<b>1644</b>	<b>1464</b>	<b>1425</b>	<b>1303</b>	<b>1237</b>	<b>1029</b>	