

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,589	MW
Hydro	1,502	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,231</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,448</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>78</b>	<b>MW</b>
<b>System Total</b>	<b>17,757</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30		
TNB Generation	5,994	MW
IPP Generation	9,573	MW
Total Set On Bus	16,738	MW
Maximum Demand	15,641	MW
Spinning Reserve	1,093	MW
Net Energy	323,209	MWH
Load Factor	86.1	%

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	12519	12157	11556	11158	11003	11060	11118	11028	11557	13394	14143	14857	14768	14614	15177	15500	15588	15045	14199	13711	14434	14703	14418	14041

**Gas Usage**

Station	(mmscfd)
CBPS	14
GLGR	56
PAKA	131
PGGS	2
PGPS	51
SRDG	55
TJGS	103
<b>TNB Total</b>	<b>413</b>
KLPP	115
MPSS	54
PDPS	46
PGLA	110
PKLG	138
PLPS	72
PTEK	19
SGB3	35
SGRI	212
YPGS	61
YPKA	122
<b>IPP Total</b>	<b>984</b>
<b>Total Gas</b>	<b>1,397</b>
<b>Total Gas Required :</b>	<b>1,397</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,634.00	15.36 %
Gas	49,937.00	15.45 %
Hydro	14,544.00	4.50 %
<b>Total TNB</b>	<b>114,115.0</b>	<b>35.31 %</b>
ST-Coal	86,194.0	26.67 %
ST-Gas	10,709.0	3.31 %
Gas	110,730.0	34.26 %
<b>Total IPP</b>	<b>207,633.0</b>	<b>64.24 %</b>
Co-Gen	2,110.0	0.65 %
<b>Total Co-Gen</b>	<b>2,110.0</b>	<b>0.65 %</b>
<b>Total Generation</b>	<b>323,858.0</b>	<b>100.20 %</b>
PLTG	14.0	0.00 %
HVDC	635.0	0.20 %
<b>Interconnection</b>	<b>649.0</b>	<b>0.20 %</b>
<b>Net Energy</b>	<b>323,209.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	336
Hydro	224
Syncon	276
Thermal	142
<b>Total</b>	<b>979</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Haze 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	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
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	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	81	81	80	62	62	65	40	44	59
TMGR	HY02	30	34	29	32	33	35	30	31	34	34	32	22	24	27	24	27	39	28	85	81	79	62	67	79
TMGR	HY03	-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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	43	40	62	61	70	41	41	47
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
<b>Total Hydro</b>		<b>398</b>	<b>333</b>	<b>323</b>	<b>397</b>	<b>406</b>	<b>417</b>	<b>380</b>	<b>279</b>	<b>301</b>	<b>316</b>	<b>302</b>	<b>168</b>	<b>160</b>	<b>184</b>	<b>151</b>	<b>160</b>	<b>327</b>	<b>360</b>	<b>602</b>	<b>556</b>	<b>633</b>	<b>736</b>	<b>807</b>	
PCUF	CUFG	53	54	53	55	55	54	53	52	52	50	53	51	53	51	54	51	52	52	51	53	53	53	53	52
PCUF	CUFK	31	31	30	32	32	30	29	32	30	29	32	31	31	31	31	32	31	30	30	31	31	29	31	32
<b>Total Co-Gen</b>		<b>84</b>	<b>85</b>	<b>83</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>82</b>	<b>84</b>	<b>82</b>	<b>79</b>	<b>85</b>	<b>82</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>83</b>	<b>84</b>	<b>81</b>	<b>84</b>	<b>82</b>	<b>83</b>	<b>81</b>	<b>82</b>	<b>85</b>
<b>Total Gen</b>		<b>12485</b>	<b>12351</b>	<b>12132</b>	<b>11774</b>	<b>11583</b>	<b>11437</b>	<b>11293</b>	<b>11202</b>	<b>11118</b>	<b>11125</b>	<b>11158</b>	<b>10860</b>	<b>11010</b>	<b>11087</b>	<b>11143</b>	<b>10995</b>	<b>11578</b>	<b>12737</b>	<b>13362</b>	<b>13771</b>	<b>14174</b>	<b>14649</b>	<b>14907</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	31	31	31	31	31	31	31	30	31	30	30	29	29	31	31	30	30	31	28	29	29
TIE-PLTG		-5	33	4	-8	-4	-33	104	33	84	17	67	-114	-139	-20	84	-19	-9	44	-63	-29	1	3	21	
<b>Interconnection</b>		<b>-34</b>	<b>4</b>	<b>-25</b>	<b>23</b>	<b>27</b>	<b>-2</b>	<b>135</b>	<b>64</b>	<b>115</b>	<b>48</b>	<b>98</b>	<b>-84</b>	<b>-108</b>	<b>10</b>	<b>115</b>	<b>11</b>	<b>21</b>	<b>75</b>	<b>-32</b>	<b>1</b>	<b>31</b>	<b>32</b>		
<b>System Total</b>		<b>12519</b>	<b>12347</b>	<b>12157</b>	<b>11751</b>	<b>11556</b>	<b>11439</b>	<b>11158</b>	<b>11138</b>	<b>11003</b>	<b>11077</b>	<b>11060</b>	<b>10944</b>	<b>11118</b>	<b>11077</b>	<b>11028</b>	<b>10984</b>	<b>11557</b>	<b>12662</b>	<b>13394</b>	<b>13776</b>	<b>14143</b>	<b>14617</b>	<b>14857</b>	
SRev ST-Coal		138	142	143	148	142	139	147	142	133	144	138	142	142	140	140	213	200	194	217	145	137	154	136	
SRev ST-Gas		38	37	37	40	19	9	9	7	7	9	7	7	8	38	39	41	44	48	29	24	18	18	20	
SRev CCGT-Gas		365	372	376	1046	1332	1524	1635	1634	1747	1739	1706	1863	1706	1902	1884	2023	1611	659	378	351	320	240	221	
SRev OCGT-Gas		38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-44	94	164	71	30	87	
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	
Syncon		625	625	625	625	625	625	726	726	726	726	726	726	726	575	726	726	625	625	539	539	539	302	302	
Hydro		105	170	180	106	97	86	123	123	101	86	100	134	142	269	151	142	76	143	72	138	211	345	274	
<b>S.Reserve Total</b>		<b>1309</b>	<b>1346</b>	<b>1561</b>	<b>1965</b>	<b>2215</b>	<b>2383</b>	<b>2539</b>	<b>2632</b>	<b>2714</b>	<b>2704</b>	<b>2677</b>	<b>2872</b>	<b>2724</b>	<b>2924</b>	<b>2940</b>	<b>3145</b>	<b>2556</b>	<b>1669</b>	<b>1191</b>	<b>1291</b>	<b>1389</b>	<b>1130</b>	<b>983</b>	