

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,605 MW
Hydro	1,861 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,606 MW</b>
<b>Total IPP</b>	<b>10,120 MW</b>
<b>Total Co-Gen</b>	<b>91 MW</b>
<b>System Total</b>	<b>17,817 MW</b>

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

At Daily Maximum Demand Hour : 15:30	
TNB Generation	6,307 MW
IPP Generation	8,568 MW
Total Set On Bus	15,981 MW
Maximum Demand	14,994 MW
Spinning Reserve	1,015 MW
Net Energy	308,026 MWH
Load Factor	85.6 %

**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	11681	10827	10618	10256	10004	10043	10022	10416	11122	12912	13870	14469	14462	14238	14629	14832	14933	14649	13721	13785	14432	14059	13561	12949

**Gas Usage**

Station	(mmscfd)
CBPS	69
GLGR	64
PAKA	168
PGPS	53
SRDG	46
TJGS	113
<b>TNB Total</b>	<b>513</b>
KLPP	102
MPSS	58
PDPS	34
PGLA	116
PLPS	99
PTEK	37
SGRI	202
SKSP	39
YPGS	66
YPKA	83
<b>IPP Total</b>	<b>836</b>
<b>Total Gas</b>	<b>1,349</b>

Total Gas Required : 1,349  
Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,324.00	16.01 %
Gas	62,895.00	20.42 %
Hydro	16,397.00	5.32 %
<b>Total TNB</b>	<b>128,616.0</b>	<b>41.75 %</b>
ST-Coal	70,639.0	22.93 %
ST-Gas	1,227.0	0.40 %
Gas	106,304.0	34.51 %
<b>Total IPP</b>	<b>178,170.0</b>	<b>57.84 %</b>
Co-Gen	1,796.0	0.58 %
<b>Total Co-Gen</b>	<b>1,796.0</b>	<b>0.58 %</b>
<b>Total Generation</b>	<b>308,582.0</b>	<b>100.18 %</b>
PLTG	-172.0	-0.06 %
HVDC	728.0	0.24 %
<b>Interconnection</b>	<b>556.0</b>	<b>0.18 %</b>
<b>Net Energy</b>	<b>308,026.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	232
Hydro	370
Syncon	224
Thermal	68
<b>Total</b>	<b>894</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 33





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
SYPS	HY03	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	38	33	34	38	40	33	35	32
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	
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	
TMGR	HY04	32	34	31	35	34	32	31	36	32	39	32	31	33	45	44	34	34	34	35	38	35	35	38	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	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>551</b>	<b>545</b>	<b>340</b>	<b>233</b>	<b>219</b>	<b>193</b>	<b>191</b>	<b>240</b>	<b>196</b>	<b>245</b>	<b>211</b>	<b>218</b>	<b>194</b>	<b>372</b>	<b>281</b>	<b>218</b>	<b>378</b>	<b>590</b>	<b>658</b>	<b>784</b>	<b>785</b>	<b>1056</b>	<b>1161</b>	
PCUF	CUFG	53	53	51	51	53	52	53	52	53	55	53	53	52	52	53	51	53	53	51	52	55	53	53	
PCUF	CUFK	39	40	40	38	40	39	39	39	40	39	40	38	38	40	39	40	38	39	39	40	39	40	39	
<b>Total Co-Gen</b>		<b>92</b>	<b>93</b>	<b>91</b>	<b>89</b>	<b>93</b>	<b>91</b>	<b>92</b>	<b>91</b>	<b>92</b>	<b>95</b>	<b>92</b>	<b>93</b>	<b>92</b>	<b>90</b>	<b>91</b>	<b>93</b>	<b>92</b>	<b>94</b>	<b>91</b>	<b>91</b>	<b>92</b>	<b>90</b>	<b>92</b>	
<b>Total Gen</b>		<b>11759</b>	<b>11275</b>	<b>10879</b>	<b>10817</b>	<b>10612</b>	<b>10468</b>	<b>10381</b>	<b>10246</b>	<b>9959</b>	<b>10092</b>	<b>10118</b>	<b>10060</b>	<b>10066</b>	<b>10363</b>	<b>10411</b>	<b>10595</b>	<b>11172</b>	<b>12302</b>	<b>12937</b>	<b>13500</b>	<b>13893</b>	<b>14241</b>	<b>14472</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	
TIE-HVDC		30	31	30	30	31	31	30	30	30	31	31	30	30	31	31	31	30	30	30	30	30	30	30	
TIE-PLTG		48	26	22	40	-37	9	95	-32	-75	-121	44	22	14	-3	-36	-18	19	18	-5	2	-7	-46	-27	
<b>Interconnection</b>		<b>78</b>	<b>57</b>	<b>52</b>	<b>70</b>	<b>-6</b>	<b>40</b>	<b>125</b>	<b>-22</b>	<b>-45</b>	<b>-91</b>	<b>75</b>	<b>53</b>	<b>44</b>	<b>27</b>	<b>-5</b>	<b>13</b>	<b>50</b>	<b>49</b>	<b>25</b>	<b>32</b>	<b>23</b>	<b>-16</b>	<b>3</b>	
<b>System Total</b>		<b>11681</b>	<b>11218</b>	<b>10827</b>	<b>10747</b>	<b>10618</b>	<b>10428</b>	<b>10256</b>	<b>10268</b>	<b>10004</b>	<b>10183</b>	<b>10043</b>	<b>10007</b>	<b>10022</b>	<b>10336</b>	<b>10416</b>	<b>10582</b>	<b>11122</b>	<b>12253</b>	<b>12912</b>	<b>13468</b>	<b>13870</b>	<b>14257</b>	<b>14469</b>	
SRev ST-Coal		62	69	62	63	57	64	73	67	75	67	79	65	75	66	86	61	73	66	71	78	79	67	70	
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	
SRev CCGT-Gas		117	637	695	647	746	855	932	1121	1357	1328	1253	1328	1292	1185	1027	1157	1080	243	147	258	201	167	160	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	184	107	170	50	41	120	
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	726	726	726	726	726	726	726	575	726	575	575	726	625	625	625	474	474	172	172	172	172	
Hydro		133	141	143	75	89	115	117	68	112	63	97	246	114	87	178	90	232	170	185	210	274	555	450	
<b>S.Reserve Total</b>		<b>937</b>	<b>1472</b>	<b>1626</b>	<b>1511</b>	<b>1618</b>	<b>1760</b>	<b>1848</b>	<b>1982</b>	<b>2270</b>	<b>2184</b>	<b>2155</b>	<b>2214</b>	<b>2207</b>	<b>1913</b>	<b>1866</b>	<b>2034</b>	<b>2012</b>	<b>1104</b>	<b>1139</b>	<b>1204</b>	<b>1135</b>	<b>1131</b>	<b>902</b>	