

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,141 MW
Hydro	1,694 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,365 MW</b>
<b>Total IPP</b>	<b>11,052 MW</b>
<b>Total Co-Gen</b>	<b>49 MW</b>
<b>System Total</b>	<b>19,026 MW</b>

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

At Daily Maximum Demand Hour : 21:30		
TNB Generation	4,289 MW	
IPP Generation	8,343 MW	
Total Set On Bus	13,504 MW	
Maximum Demand	12,731 MW	
Spinning Reserve	823 MW	
Net Energy	269,325 MWH	
Load Factor	88.1 %	

**Maximum Demand Record**

<b>Date :</b>	20/06/2012	15,826.0 MW
<b>Date :</b>	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	12120	11715	11262	10975	10493	10713	10486	10140	9504	10029	10693	11161	11107	11089	11279	11354	11442	11333	11337	11407	12362	12640	12669	12408

**Gas Usage**

Station	(mmscfd)
CBPS	36
GLGR	61
PGPS	33
TJGS	219
<b>TNB Total</b>	<b>349</b>
KLPP	105
MPSS	57
PGLA	90
PLPS	109
SGB3	52
SKSP	52
YPKA	99
<b>IPP Total</b>	<b>563</b>
<b>Total Gas</b>	<b>912</b>
<b>Total Gas Required :</b>	<b>912</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,874.00	12.21 %
Gas	47,941.00	17.80 %
Hydro	8,112.00	3.01 %
<b>Total TNB</b>	<b>88,927.0</b>	<b>33.02 %</b>
ST-Coal	107,046.0	39.75 %
Gas	72,817.0	27.04 %
<b>Total IPP</b>	<b>179,863.0</b>	<b>66.78 %</b>
Co-Gen	1,230.0	0.46 %
<b>Total Co-Gen</b>	<b>1,230.0</b>	<b>0.46 %</b>
<b>Total Generation</b>	<b>270,020.0</b>	<b>100.26 %</b>
PLTG	-26.0	-0.01 %
HVDC	721.0	0.27 %
<b>Interconnection</b>	<b>695.0</b>	<b>0.26 %</b>
<b>Net Energy</b>	<b>269,325.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	255
Hydro	104
Syncon	441
Thermal	14
<b>Total</b>	<b>815</b>

**Weather Temperature**

Weather	Temperature
Morning	Rainy 24
Afternoon	Hot 35



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																												
CEND	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																												
CEND	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																												
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	7																												
KNRG	HY01	36	36	38	36	38	36	37	38	39	37	36	36	35	37	35	36	37	36	37	38	38	37	38	38																												
KNYR	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																												
KNYR	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																												
KNYR	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																												
KNYR	HY04	99	99	99	95	63	55	58	63	66	67	61	59	56	55	64	53	58	62	61	64	66	58	100	100																												
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21																												
MNOR	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																												
PGAU	HY01	-1	-1	109	13	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																												
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																												
SIHY	HY01	49	49	49	49	50	50	50	49	50	50	49	50	0	0	0	0	0	0	0	0	0	0	0	0																												
SIHY	HY02	50	50	50	50	50	50	49	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0																												
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																												
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																												
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																												
SYPS	HY04	25	25	25	25	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	HY04	39	39	33	30	34	31	31	34	35	39	37	35	34	34	37	33	35	37	37	38	38	35	37	38																												
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>428</b>	<b>428</b>	<b>537</b>	<b>432</b>	<b>293</b>	<b>280</b>	<b>281</b>	<b>292</b>	<b>293</b>	<b>322</b>	<b>289</b>	<b>283</b>	<b>279</b>	<b>229</b>	<b>192</b>	<b>173</b>	<b>182</b>	<b>190</b>	<b>188</b>	<b>216</b>	<b>198</b>	<b>184</b>	<b>230</b>	<b>228</b>	<b>229</b>	<b>224</b>	<b>224</b>	<b>313</b>	<b>354</b>	<b>355</b>	<b>370</b>	<b>320</b>	<b>320</b>	<b>323</b>	<b>250</b>	<b>298</b>	<b>336</b>	<b>261</b>	<b>253</b>	<b>543</b>	<b>447</b>	<b>631</b>	<b>628</b>	<b>660</b>	<b>628</b>	<b>629</b>	<b>604</b>	<b>417</b>				
PCUF	CUFG	13	14	14	14	12	15	11	13	14	13	13	15	13	13	13	13	14	12	14	13	15	12	14	15	14	13	14	15	13	12	14	13	14	14	14	14	14	13	13	14	13	14	14	14	12							
PCUF	CUFK	32	30	32	33	34	34	35	35	34	33	32	33	33	36	34	32	34	32	30	29	29	29	28	27	27	25	24	24	30	35	35	33	35	36	37	36	34	32	30	34	34	32	35	35	35	35	37					
<b>Total Co-Gen</b>		<b>45</b>	<b>44</b>	<b>46</b>	<b>47</b>	<b>46</b>	<b>49</b>	<b>46</b>	<b>48</b>	<b>48</b>	<b>46</b>	<b>45</b>	<b>48</b>	<b>46</b>	<b>51</b>	<b>49</b>	<b>45</b>	<b>47</b>	<b>45</b>	<b>43</b>	<b>43</b>	<b>41</b>	<b>43</b>	<b>41</b>	<b>42</b>	<b>39</b>	<b>41</b>	<b>40</b>	<b>38</b>	<b>37</b>	<b>44</b>	<b>50</b>	<b>48</b>	<b>45</b>	<b>49</b>	<b>49</b>	<b>51</b>	<b>50</b>	<b>48</b>	<b>46</b>	<b>43</b>	<b>47</b>	<b>48</b>	<b>45</b>	<b>49</b>	<b>48</b>	<b>49</b>	<b>49</b>	<b>49</b>				
<b>Total Gen</b>		<b>12157</b>	<b>11899</b>	<b>11749</b>	<b>11381</b>	<b>11304</b>	<b>11070</b>	<b>11003</b>	<b>10683</b>	<b>10450</b>	<b>10672</b>	<b>10743</b>	<b>10560</b>	<b>10571</b>	<b>10443</b>	<b>10141</b>	<b>9649</b>	<b>9607</b>	<b>9802</b>	<b>10036</b>	<b>10399</b>	<b>10724</b>	<b>10977</b>	<b>11212</b>	<b>11276</b>	<b>11229</b>	<b>11134</b>	<b>11131</b>	<b>11312</b>	<b>11272</b>	<b>11501</b>	<b>11368</b>	<b>11389</b>	<b>11485</b>	<b>11495</b>	<b>11409</b>	<b>11204</b>	<b>11330</b>	<b>11351</b>	<b>11474</b>	<b>12061</b>	<b>12330</b>	<b>12624</b>	<b>12637</b>	<b>12681</b>	<b>12640</b>	<b>12606</b>	<b>12489</b>	<b>12215</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	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		31	30	29	31	29	31	29	29	30	31	29	29	31	31	29	29	32	29	30	30	30	31	29	29	31	31	29	31	31	29	31	30	30	31	30	30	31	31	30	30	30	30	30	31	31	30	30	30	30	30		
TIE-PLTG		6	-28	5	64	13	77	-1	-75	-72	-30	-1	55	56	-56	-30	144	74	-55	-22	-2	1	-15	21	-63	93	2	13	-8	-38	14	-17	-65	12	-50	46	-115	-38	40	37	50	-62	-35	-34	-80	-59	-38	51	46				
<b>Interconnection</b>		<b>37</b>	<b>2</b>	<b>34</b>	<b>95</b>	<b>42</b>	<b>108</b>	<b>28</b>	<b>-46</b>	<b>-43</b>	<b>0</b>	<b>30</b>	<b>84</b>	<b>85</b>	<b>-25</b>	<b>1</b>	<b>173</b>	<b>103</b>	<b>-23</b>	<b>7</b>	<b>28</b>	<b>31</b>	<b>15</b>	<b>51</b>	<b>-32</b>	<b>122</b>	<b>31</b>	<b>42</b>	<b>21</b>	<b>-7</b>	<b>45</b>	<b>14</b>	<b>-36</b>	<b>43</b>	<b>-20</b>	<b>76</b>	<b>-84</b>	<b>-7</b>	<b>70</b>	<b>67</b>	<b>80</b>	<b>-32</b>	<b>-4</b>	<b>-3</b>	<b>-50</b>	<b>-29</b>	<b>-8</b>	<b>81</b>	<b>76</b>				
<b>System Total</b>		<b>12120</b>	<b>11897</b>	<b>11715</b>	<b>11286</b>	<b>11262</b>	<b>10962</b>	<b>10975</b>	<b>10729</b>	<b>10493</b>	<b>10672</b>	<b>10713</b>	<b>10476</b>	<b>10486</b>	<b>10468</b>	<b>10140</b>	<b>9476</b>	<b>9504</b>	<b>9825</b>	<b>10029</b>	<b>10371</b>	<b>10693</b>	<b>10962</b>	<b>11161</b>	<b>11308</b>	<b>11107</b>	<b>11103</b>	<b>11089</b>	<b>11291</b>	<b>11279</b>	<b>11456</b>	<b>11354</b>	<b>11425</b>	<b>11442</b>	<b>11515</b>	<b>11333</b>	<b>11288</b>	<b>11337</b>	<b>11281</b>	<b>11407</b>	<b>11981</b>	<b>12362</b>	<b>12628</b>	<b>12640</b>	<b>12731</b>	<b>12669</b>	<b>12614</b>	<b>12408</b>	<b>12139</b>				
SRev ST-Coal		18	15	14	51	29	26	33	24	26	33	26	31	14	-1	259	530	482	344	196	27	42	28	52	-14	11	7	14	6	8	18	18	29	16	18	15	23	32	34	18	11	33	28	35	25	19	9	17					
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	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	0	0	
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	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	0	0	0
SRev CCGT-Gas		418	398	360	217	176	268	326	668	900	698	600	775	775	873	876	948	1163	1114	1024	858	498	487	382	383	403	505	501	400	488	265	429	356	246	256	267	525	668	651	786	502	263	132	118	103	121	163	265	344				
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	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	0	
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	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	0	0	0
Syncon		640	640	489	489	640	640	640	640	489	640	640	640	640	640	640	640	640	640	489	640	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	539	
Hydro		75	75	117	222	110	123	122	111	110	232	114	120	124	124	108	127	119	111	113	236	104	119	73	75	74	79	80	116	151	150	286	185	185	182	155	107	69	144	152	312	158	74	77	196	77	76	102	189				
<b>S.Reserve Total</b>		<b>1151</b>	<b>1128</b>	<b>980</b>	<b>979</b>	<b>955</b>	<b>1057</b>	<b>1121</b>	<b>1443</b>	<b>1676</b>	<b>1452</b>	<b>1380</b>	<b>1566</b>	<b>1553</b>	<b>1686</b>	<b>1983</b>	<b>2245</b>	<b>2404</b>	<b>2209</b>	<b>1973</b>	<b>1610</b>	<b>1284</b>	<b>1173</b>	<b>1046</b>	<b>983</b>	<b>1027</b>	<b>1124</b>	<b>1127</b>	<b>1119</b>	<b>1184</b>	<b>962</b>	<b>1121</b>	<b>1098</b>	<b>999</b>	<b>993</b>	<b>979</b>	<b>1186</b>	<b>1299</b>	<b>1366</b>	<b>1511</b>	<b>1321</b>	<b>1072</b>	<b>8</b>										