

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	4,280	MW
Hydro	1,877	MW
Distillate	0	MW
<b>Total TNB</b>	<b>8,367</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,875</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>83</b>	<b>MW</b>
<b>System Total</b>	<b>20,325</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,504 MW
IPP Generation	6,867 MW
Total Set On Bus	12,465 MW
Maximum Demand	11,530 MW
Spinning Reserve	1,011 MW
Net Energy	241,088 MWH
Load Factor	87.1 %

**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	10704	10390	9861	9691	9311	9059	9120	9190	8717	9049	9527	10094	10265	10171	10170	10243	10087	9977	10030	10405	11527	11530	11288	11156

**Gas Usage**

Station	(mmscfd)
GLGR	59
PGPS	28
TJGS	221
<b>TNB Total</b>	<b>308</b>
KLPP	117
MPSS	32
PGLA	89
PLPS	85
SGB3	44
SKSP	56
YPKA	63
<b>IPP Total</b>	<b>485</b>
<b>Total Gas</b>	<b>794</b>
<b>Total Gas Required :</b>	<b>794</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	46,270.00	19.19 %
Gas	43,362.00	17.99 %
Hydro	7,958.00	3.30 %
<b>Total TNB</b>	<b>97,590.0</b>	<b>40.48 %</b>
ST-Coal	76,935.0	31.91 %
ST-Oil	149.0	0.06 %
Gas	63,178.0	26.21 %
<b>Total IPP</b>	<b>140,262.0</b>	<b>58.18 %</b>
Co-Gen	2,167.0	0.90 %
<b>Total Co-Gen</b>	<b>2,167.0</b>	<b>0.90 %</b>
<b>Total Generation</b>	<b>240,019.0</b>	<b>99.56 %</b>
PLTG	-365.0	-0.15 %
HVDC	-704.0	-0.29 %
<b>Interconnection</b>	<b>-1,069.0</b>	<b>-0.44 %</b>
<b>Net Energy</b>	<b>241,088.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	180
Hydro	107
Syncon	606
Thermal	208
<b>Total</b>	<b>1102</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 27
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
KNYR	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
LPJA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	7	7	7	7	7	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1
PGAU	HY02	152	87	117	108	149	110	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	-1	-1	-1	-1	-1	-1	15	-1	-1	111	110	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	111	110	121	110	73	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
SIHY	HY02	0	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	49	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	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	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	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	49	30	50	39	39	40	50	38	49	42	41	43	46	55	45	37	41	45	46	48	51	46	45	43
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPLA	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
<b>Total Hydro</b>		<b>549</b>	<b>423</b>	<b>466</b>	<b>317</b>	<b>350</b>	<b>313</b>	<b>329</b>	<b>226</b>	<b>244</b>	<b>223</b>	<b>298</b>	<b>424</b>	<b>456</b>	<b>404</b>	<b>330</b>	<b>249</b>	<b>189</b>	<b>219</b>	<b>227</b>	<b>236</b>	<b>330</b>	<b>235</b>	<b>194</b>	<b>217</b>
PCUF	CUFG	51	51	50	52	52	51	51	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
PCUF	CUFK	38	39	39	38	37	35	33	32	33	33	36	32	34	35	33	31	32	31	31	32	32	33	30	31
<b>Total Co-Gen</b>		<b>89</b>	<b>90</b>	<b>89</b>	<b>90</b>	<b>89</b>	<b>86</b>	<b>84</b>	<b>82</b>	<b>84</b>	<b>84</b>	<b>87</b>	<b>83</b>	<b>85</b>	<b>86</b>	<b>83</b>	<b>82</b>	<b>84</b>	<b>80</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>85</b>	<b>80</b>	<b>81</b>
<b>Total Gen</b>		<b>10676</b>	<b>10322</b>	<b>10230</b>	<b>9912</b>	<b>9808</b>	<b>9657</b>	<b>9498</b>	<b>9381</b>	<b>9225</b>	<b>9040</b>	<b>8948</b>	<b>8928</b>	<b>9054</b>	<b>9072</b>	<b>9080</b>	<b>8902</b>	<b>8615</b>	<b>8812</b>	<b>8982</b>	<b>9232</b>	<b>9478</b>	<b>9780</b>	<b>10030</b>	<b>10131</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	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-30	-29	-29	-30	-28	-29	-30
TIE-PLTG		1	76	-131	-36	-23	-3	-164	-53	-57	-105	-82	-74	-37	-214	-81	-27	-72	6	-37	-42	-21	25	-35	52
<b>Interconnection</b>		<b>-28</b>	<b>47</b>	<b>-160</b>	<b>-66</b>	<b>-53</b>	<b>-32</b>	<b>-193</b>	<b>-82</b>	<b>-86</b>	<b>-134</b>	<b>-111</b>	<b>-103</b>	<b>-66</b>	<b>-243</b>	<b>-110</b>	<b>-56</b>	<b>-102</b>	<b>-24</b>	<b>-67</b>	<b>-71</b>	<b>-49</b>	<b>-4</b>	<b>-64</b>	
<b>System Total</b>		<b>10704</b>	<b>10275</b>	<b>10390</b>	<b>9978</b>	<b>9861</b>	<b>9689</b>	<b>9691</b>	<b>9463</b>	<b>9311</b>	<b>9174</b>	<b>9059</b>	<b>9031</b>	<b>9120</b>	<b>9315</b>	<b>9190</b>	<b>8958</b>	<b>8717</b>	<b>8836</b>	<b>9049</b>	<b>9303</b>	<b>9527</b>	<b>9784</b>	<b>10094</b>	<b>10107</b>
SRev ST-Coal		62	63	43	56	226	330	450	443	516	531	528	540	532	535	533	563	563	561	564	565	563	514	207	165
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
SRev CCGT-Gas		140	158	309	106	118	139	192	211	257	397	505	501	413	346	266	356	483	333	192	329	315	235	167	171
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
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		726	726	726	726	726	726	575	726	726	575	424	424	424	575	575	726	726	726	726	726	726	726	726	726
Hydro		45	196	78	127	94	131	115	219	50	71	147	172	140	192	115	196	105	75	67	58	115	59	100	77
<b>S.Reserve Total</b>		<b>978</b>	<b>1148</b>	<b>1161</b>	<b>1020</b>	<b>1169</b>	<b>1331</b>	<b>1488</b>	<b>1453</b>	<b>1554</b>	<b>1730</b>	<b>1760</b>	<b>1642</b>	<b>1514</b>	<b>1502</b>	<b>1494</b>	<b>1695</b>	<b>1882</b>	<b>1700</b>	<b>1554</b>	<b>1683</b>	<b>1573</b>	<b>1539</b>	<b>1205</b>	<b>1144</b>