

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	160	MW
ST-Oil	0	MW
Gas	4,431	MW
Hydro	1,773	MW
Distillate	0	MW
<b>Total TNB</b>	<b>8,344</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,292</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>87</b>	<b>MW</b>
<b>System Total</b>	<b>18,723</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 20:00

TNB Generation	5,988	MW
IPP Generation	6,965	MW
Total Set On Bus	13,975	MW
Maximum Demand	13,026	MW
Spinning Reserve	935	MW
Net Energy	281,470	MWH
Load Factor	90.0	%

**Maximum Demand Record**

Date :	09/05/2011	15,476.0 MW
Date :	24/04/2012	320,821.0 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	12550	12040	11639	11248	10706	10500	10488	10374	10002	10850	11364	12023	12034	11872	12070	12209	12117	12090	11682	11927	13026	12844	12570	12405

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	63
PAKA	109
PGPS	25
SRDG	5
TJGS	147
<b>TNB Total</b>	<b>406</b>
KLPP	98
PGLA	90
PLPS	122
SGB3	75
SKSP	58
YPGS	33
YPKA	67
<b>IPP Total</b>	<b>543</b>
<b>Total Gas</b>	<b>949</b>

Total Gas Required : 1,033  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	77
TJGS	7
<b>Total</b>	<b>84</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,198.00	16.77 %
Gas	52,870.00	18.78 %
Hydro	22,872.00	8.13 %
Distillate	841.00	0.30 %
<b>Total TNB</b>	<b>123,781.0</b>	<b>43.98 %</b>
ST-Coal	76,314.0	27.11 %
ST-Oil	7,588.0	2.70 %
Gas	71,168.0	25.28 %
<b>Total IPP</b>	<b>155,070.0</b>	<b>55.09 %</b>
Co-Gen	2,256.0	0.80 %
<b>Total Co-Gen</b>	<b>2,256.0</b>	<b>0.80 %</b>
<b>Total Generation</b>	<b>281,107.0</b>	<b>99.87 %</b>
PLTG	339.0	0.12 %
HVDC	-702.0	-0.25 %
<b>Interconnection</b>	<b>-363.0</b>	<b>-0.13 %</b>
<b>Net Energy</b>	<b>281,470.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	305
Hydro	168
Syncon	279
Thermal	46
<b>Total</b>	<b>798</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32





### Daily MW Generation On Saturday

05-May-2012

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																												
PCUF CUFG	47	48	47	48	49	48	47	48	51	48	49	49	47	49	48	47	48	47	48	48	48	48	47	49	48	48	46	48	48	49	47	49																				
PCUF CUFK	38	38	37	37	35	37	38	37	39	38	37	38	37	38	38	39	41	39	38	39	39	39	39	38	39	40	38	38	40	39	39	39	40	40	39	39	40	40	39	40	40											
<b>Total Co-Gen</b>	<b>85</b>	<b>86</b>	<b>84</b>	<b>85</b>	<b>84</b>	<b>85</b>	<b>85</b>	<b>90</b>	<b>86</b>	<b>86</b>	<b>87</b>	<b>84</b>	<b>87</b>	<b>86</b>	<b>86</b>	<b>89</b>	<b>86</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>87</b>	<b>83</b>	<b>87</b>	<b>90</b>	<b>86</b>	<b>86</b>	<b>85</b>	<b>84</b>	<b>88</b>	<b>82</b>	<b>88</b>	<b>89</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>89</b>	<b>87</b>	<b>85</b>	<b>88</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>89</b>							
<b>Total Gen</b>	<b>12601</b>	<b>12332</b>	<b>12000</b>	<b>11671</b>	<b>11605</b>	<b>11231</b>	<b>11218</b>	<b>10908</b>	<b>10710</b>	<b>10625</b>	<b>10517</b>	<b>10358</b>	<b>10514</b>	<b>10298</b>	<b>10354</b>	<b>10046</b>	<b>10023</b>	<b>10409</b>	<b>10741</b>	<b>11033</b>	<b>11393</b>	<b>11670</b>	<b>12068</b>	<b>12032</b>	<b>12040</b>	<b>11819</b>	<b>11771</b>	<b>11963</b>	<b>12053</b>	<b>12227</b>	<b>12271</b>	<b>12290</b>	<b>12120</b>	<b>12239</b>	<b>12121</b>	<b>11852</b>	<b>11687</b>	<b>11753</b>	<b>11881</b>	<b>12685</b>	<b>13040</b>	<b>12957</b>	<b>12888</b>	<b>12758</b>	<b>12550</b>	<b>12493</b>	<b>12440</b>	<b>12262</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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-30			
TIE-PLTG	80	-26	-11	-65	-5	-21	-1	38	33	31	47	26	55	-8	9	-42	50	60	-80	84	58	61	74	53	35	58	-72	75	13	44	92	27	32	72	61	71	34	76	-17	-21	44	38	73	26	9	6	65	16				
<b>Interconnection</b>	<b>51</b>	<b>-55</b>	<b>-40</b>	<b>-94</b>	<b>-34</b>	<b>-50</b>	<b>-30</b>	<b>9</b>	<b>4</b>	<b>2</b>	<b>17</b>	<b>-4</b>	<b>26</b>	<b>-37</b>	<b>-20</b>	<b>-71</b>	<b>21</b>	<b>31</b>	<b>-109</b>	<b>55</b>	<b>29</b>	<b>32</b>	<b>45</b>	<b>24</b>	<b>6</b>	<b>29</b>	<b>-101</b>	<b>46</b>	<b>-17</b>	<b>14</b>	<b>62</b>	<b>-3</b>	<b>3</b>	<b>43</b>	<b>31</b>	<b>41</b>	<b>5</b>	<b>47</b>	<b>-46</b>	<b>-50</b>	<b>14</b>	<b>8</b>	<b>44</b>	<b>-3</b>	<b>-20</b>	<b>-23</b>	<b>35</b>	<b>-14</b>				
<b>System Total</b>	<b>12550</b>	<b>12387</b>	<b>12040</b>	<b>11765</b>	<b>11639</b>	<b>11281</b>	<b>11248</b>	<b>10899</b>	<b>10706</b>	<b>10623</b>	<b>10500</b>	<b>10362</b>	<b>10488</b>	<b>10335</b>	<b>10374</b>	<b>10117</b>	<b>10002</b>	<b>10378</b>	<b>10850</b>	<b>10978</b>	<b>11364</b>	<b>11638</b>	<b>12023</b>	<b>12008</b>	<b>12034</b>	<b>11790</b>	<b>11872</b>	<b>11917</b>	<b>12070</b>	<b>12213</b>	<b>12209</b>	<b>12293</b>	<b>12117</b>	<b>12196</b>	<b>12090</b>	<b>11811</b>	<b>11682</b>	<b>11706</b>	<b>11927</b>	<b>12735</b>	<b>13026</b>	<b>12949</b>	<b>12844</b>	<b>12761</b>	<b>12570</b>	<b>12516</b>	<b>12405</b>	<b>12276</b>				
SRev ST-Coal	30	27	32	35	35	20	28	36	31	33	79	128	147	131	259	245	221	214	220	100	51	38	45	46	42	44	50	52	55	48	58	41	72	79	76	81	87	70	87	83	103	77	70	60	70	58	53	57				
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	5	-1	-2	-6	-7	-6	21	28	27	24	-4	-4	-5	-5	-3	-3	-2	-2	-2	-2	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	2	2	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1		
SRev CCGT-Gas	805	473	641	590	567	745	627	595	593	579	575	701	654	692	608	784	794	1002	874	607	710	494	210	326	324	452	497	321	318	342	260	292	343	228	311	561	684	668	830	365	413	403	369	419	415	454	492	480				
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 Distillate	4	7	49	273	165	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	453	302	302	453	302	453	453	453	539	539	539	474	474	625	474	625	625	453	453	453	453	453	453	453	453	453	302	453	302	302	302	453	453	453	453	453	453	453	453	453	302	151	151	151	302	453	302	302	302			
Hydro	88	109	225	46	349	55	61	68	95	130	179	229	99	145	193	68	110	152	81	287	88	119	218	166	166	254	100	232	291	244	115	157	175	160	199	213	252	218	139	217	153	252	282	223	124	146	165	153				
<b>S.Reserve Total</b>	<b>1395</b>	<b>927</b>	<b>1257</b>	<b>1401</b>	<b>1421</b>	<b>1277</b>	<b>1200</b>	<b>1190</b>	<b>1295</b>	<b>1315</b>	<b>1378</b>	<b>1538</b>	<b>1379</b>	<b>1598</b>	<b>1541</b>	<b>1729</b>	<b>1758</b>	<b>1829</b>	<b>1636</b>	<b>1455</b>	<b>1309</b>	<b>1111</b>	<b>934</b>	<b>999</b>	<b>993</b>	<b>1060</b>	<b>1108</b>	<b>915</b>	<b>974</b>	<b>944</b>	<b>894</b>	<b>951</b>	<b>1079</b>	<b>956</b>	<b>1075</b>	<b>1344</b>	<b>1511</b>	<b>1444</b>	<b>1543</b>	<b>1001</b>	<b>935</b>	<b>999</b>	<b>953</b>	<b>1086</b>	<b>1144</b>	<b>961</b>	<b>1013</b>	<b>1043</b>				