

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,366 MW
Hydro	1,730 MW
Distillate	880 MW
<b>Total TNB</b>	<b>7,496 MW</b>
<b>Total IPP</b>	<b>10,504 MW</b>
<b>Total Co-Gen</b>	<b>64 MW</b>
<b>System Total</b>	<b>18,064 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,515 MW
IPP Generation	9,198 MW
Total Set On Bus	15,695 MW
Maximum Demand	14,770 MW
Spinning Reserve	918 MW
Net Energy	310,190 MWH
Load Factor	87.5 %

**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	12494	11866	11428	11251	10823	10815	11058	11255	11480	13297	13971	14494	14394	14006	14437	14561	14518	14099	13383	13476	14139	13757	13207	12696

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	58
PAKA	127
PGPS	21
SRDG	3
TJGS	103
<b>TNB Total</b>	<b>361</b>
KLPP	104
MPSS	54
PLPS	120
SGB3	91
SGRI	147
SKSP	55
YPGS	69
YPKA	131
<b>IPP Total</b>	<b>772</b>
<b>Total Gas</b>	<b>1,132</b>

Total Gas Required : 1,409  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	31
PKLG	135
TJGS	111
<b>Total</b>	<b>277</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,002.00	10.64 %
ST-Oil	1,257.00	0.41 %
Gas	45,889.00	14.79 %
Hydro	11,007.00	3.55 %
Distillate	18,395.00	5.93 %
<b>Total TNB</b>	<b>109,550.0</b>	<b>35.32 %</b>
ST-Coal	86,094.0	27.76 %
ST-Oil	13,256.0	4.27 %
Gas	99,948.0	32.22 %
<b>Total IPP</b>	<b>199,298.0</b>	<b>64.25 %</b>
Co-Gen	1,971.0	0.64 %
<b>Total Co-Gen</b>	<b>1,971.0</b>	<b>0.64 %</b>
<b>Total Generation</b>	<b>310,819.0</b>	<b>100.20 %</b>
PLTG	-101.0	-0.03 %
HVDC	730.0	0.24 %
<b>Interconnection</b>	<b>629.0</b>	<b>0.20 %</b>
<b>Net Energy</b>	<b>310,190.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	353
Hydro	146
Syncon	464
Thermal	12
<b>Total</b>	<b>975</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 31





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
TJGS	GT2A	227	226	228	228	227	228	210	191	171	170	171	230	232	231	230	228	228	228	228	227	228	227	228	227
TJGS	GT2B	223	223	225	225	225	225	207	188	169	167	167	228	229	226	227	225	225	223	225	225	225	223	223	223
TJGS	ST2C	246	246	244	243	244	244	235	222	211	212	212	246	242	244	245	243	243	243	243	242	243	243	244	245
<b>Total Distillate</b>		<b>822</b>	<b>822</b>	<b>824</b>	<b>821</b>	<b>822</b>	<b>822</b>	<b>823</b>	<b>778</b>	<b>726</b>	<b>676</b>	<b>674</b>	<b>676</b>	<b>830</b>	<b>827</b>	<b>825</b>	<b>827</b>	<b>821</b>	<b>820</b>	<b>819</b>	<b>837</b>	<b>874</b>	<b>877</b>	<b>877</b>	<b>875</b>
PCUF	CUFG	43	43	43	45	44	44	44	44	45	45	45	45	46	44	43	44	44	43	42	40	41	39	37	37
PCUF	CUFK	38	38	37	39	40	39	40	39	39	38	38	37	37	39	39	38	36	33	35	35	33	34	30	32
<b>Total Co-Gen</b>		<b>81</b>	<b>81</b>	<b>80</b>	<b>84</b>	<b>84</b>	<b>83</b>	<b>84</b>	<b>83</b>	<b>84</b>	<b>84</b>	<b>83</b>	<b>82</b>	<b>83</b>	<b>83</b>	<b>82</b>	<b>82</b>	<b>80</b>	<b>76</b>	<b>77</b>	<b>75</b>	<b>74</b>	<b>73</b>	<b>67</b>	<b>69</b>
<b>Total Gen</b>		<b>12568</b>	<b>12147</b>	<b>11874</b>	<b>11691</b>	<b>11518</b>	<b>11343</b>	<b>11199</b>	<b>11025</b>	<b>10798</b>	<b>10803</b>	<b>10781</b>	<b>10810</b>	<b>11126</b>	<b>11094</b>	<b>11299</b>	<b>11248</b>	<b>11505</b>	<b>12460</b>	<b>13137</b>	<b>13632</b>	<b>14013</b>	<b>14148</b>	<b>14526</b>	<b>14691</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		30	31	31	30	30	30	30	29	29	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31
TIE-PLTG		44	26	-23	-26	60	40	-82	-71	-54	-35	-65	-16	37	-103	14	62	-6	-22	-191	85	11	0	2	-33
<b>Interconnection</b>		<b>74</b>	<b>57</b>	<b>8</b>	<b>4</b>	<b>90</b>	<b>70</b>	<b>-52</b>	<b>-42</b>	<b>-25</b>	<b>-4</b>	<b>-34</b>	<b>15</b>	<b>68</b>	<b>-73</b>	<b>44</b>	<b>93</b>	<b>25</b>	<b>9</b>	<b>-160</b>	<b>116</b>	<b>42</b>	<b>30</b>	<b>32</b>	
<b>System Total</b>		<b>12494</b>	<b>12090</b>	<b>11866</b>	<b>11687</b>	<b>11428</b>	<b>11273</b>	<b>11251</b>	<b>11067</b>	<b>10823</b>	<b>10807</b>	<b>10815</b>	<b>10795</b>	<b>11058</b>	<b>11167</b>	<b>11255</b>	<b>11155</b>	<b>11480</b>	<b>12451</b>	<b>13297</b>	<b>13516</b>	<b>13971</b>	<b>14118</b>	<b>14494</b>	<b>14694</b>
SRev ST-Coal		-2	6	36	53	51	46	60	8	107	108	114	120	102	164	40	15	7	6	5	-8	12	3	4	11
SRev ST-Oil		11	12	29	32	14	14	14	12	13	12	13	13	13	13	12	13	11	11	11	11	11	11	11	11
SRev CCGT-Gas		360	653	751	853	1008	1185	1335	1466	1523	1510	1536	1495	1362	1437	1358	1430	1453	936	793	692	366	379	225	215
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 Distillate		13	13	11	14	13	13	12	57	109	159	161	159	5	8	10	8	14	15	16	-2	6	3	3	5
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		625	726	726	726	726	726	726	726	575	575	726	575	726	726	726	726	625	625	474	625	474	474	474	474
Hydro		160	78	107	93	119	127	109	103	122	231	233	89	228	69	106	111	114	73	78	16	235	87	247	122
<b>S.Reserve Total</b>		<b>1173</b>	<b>1494</b>	<b>1666</b>	<b>1777</b>	<b>1937</b>	<b>2117</b>	<b>2262</b>	<b>2378</b>	<b>2606</b>	<b>2601</b>	<b>2637</b>	<b>2608</b>	<b>2291</b>	<b>2423</b>	<b>2259</b>	<b>2309</b>	<b>2332</b>	<b>1775</b>	<b>1534</b>	<b>1340</b>	<b>1104</b>	<b>1108</b>	<b>964</b>	<b>833</b>