

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,066	MW
Hydro	1,595	MW
Distillate	1,220	MW
<b>Total TNB</b>	<b>7,401</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,032</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>76</b>	<b>MW</b>
<b>System Total</b>	<b>18,509</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,715 MW
IPP Generation	9,558 MW
Total Set On Bus	16,480 MW
Maximum Demand	15,253 MW
Spinning Reserve	1,129 MW
Net Energy	320,293 MWH
Load Factor	87.5 %

**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	12848	12329	11766	11535	11071	10999	11089	11221	11693	13393	14453	14973	15003	14508	14966	15200	15221	14883	13820	13782	14532	14339	13793	13387

**Gas Usage**

Station	(mmscfd)
CBPS	58
GLGR	57
PAKA	143
PGPS	7
SRDG	4
TJGS	136
<b>TNB Total</b>	<b>405</b>
KLPP	47
MPSS	55
PGLA	55
PLPS	98
PTEK	15
SGB3	45
SGRI	113
SKSP	53
YPGS	34
YPKA	130
<b>IPP Total</b>	<b>644</b>
<b>Total Gas</b>	<b>1,049</b>

Total Gas Required : 1,421  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	4
KLPP	57
PGPS	39
PKLG	114
SGB3	45
SGRI	44
SRDG	8
TJGS	61
<b>Total</b>	<b>372</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,119.00	10.34 %
ST-Oil	1,269.00	0.40 %
Gas	52,440.00	16.37 %
Hydro	13,849.00	4.32 %
Distillate	12,846.00	4.01 %
<b>Total TNB</b>	<b>113,523.0</b>	<b>35.44 %</b>
ST-Coal	92,420.0	28.85 %
ST-Oil	11,105.0	3.47 %
Gas	83,116.0	25.95 %
Distillate	18,101.0	5.65 %
<b>Total IPP</b>	<b>204,742.0</b>	<b>63.92 %</b>
Co-Gen	2,080.0	0.65 %
<b>Total Co-Gen</b>	<b>2,080.0</b>	<b>0.65 %</b>
<b>Total Generation</b>	<b>320,345.0</b>	<b>100.02 %</b>
PLTG	52.0	0.02 %
<b>Interconnection</b>	<b>52.0</b>	<b>0.02 %</b>
<b>Net Energy</b>	<b>320,293.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	424
Hydro	209
Syncon	376
Thermal	12
<b>Total</b>	<b>1021</b>

	Weather	Temperature
Morning	Sunny	23
Afternoon	Cloudy	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		
SYPS	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		
SYPS	HY04	0	0	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	81	33	33	82	73	66	75	70	64	75	65	74	76	81	59	82	71	82	82	81	79	82	79	80		
TMGR	HY03	79	29	29	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
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>692</b>	<b>516</b>	<b>566</b>	<b>581</b>	<b>401</b>	<b>348</b>	<b>357</b>	<b>315</b>	<b>244</b>	<b>263</b>	<b>238</b>	<b>257</b>	<b>280</b>	<b>306</b>	<b>219</b>	<b>307</b>	<b>255</b>	<b>308</b>	<b>532</b>	<b>806</b>	<b>710</b>	<b>770</b>	<b>892</b>	<b>936</b>		
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT14	127	112	111	60	59	59	59	59	60	60	60	60	100	65	101	127	125	126	125	124	124	123	124	123	125	
KLPP	GT15	129	117	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT33	108	108	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT23	106	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2A	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST2C	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total Distillate</b>		<b>577</b>	<b>444</b>	<b>218</b>	<b>60</b>	<b>59</b>	<b>59</b>	<b>59</b>	<b>59</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>100</b>	<b>108</b>	<b>207</b>	<b>301</b>	<b>549</b>	<b>712</b>	<b>856</b>	<b>881</b>	<b>1662</b>	<b>1662</b>	<b>1774</b>	<b>1914</b>	<b>1908</b>	
PCUF	CUFG	48	45	48	48	48	50	46	48	49	47	51	49	47	48	49	49	48	49	49	48	49	49	47	50	48	
PCUF	CUFK	35	35	38	38	40	40	41	41	40	40	39	39	41	41	40	38	38	33	33	27	27	30	30	33	33	30
<b>Total Co-Gen</b>		<b>83</b>	<b>80</b>	<b>86</b>	<b>86</b>	<b>88</b>	<b>88</b>	<b>91</b>	<b>87</b>	<b>88</b>	<b>89</b>	<b>86</b>	<b>90</b>	<b>90</b>	<b>88</b>	<b>88</b>	<b>89</b>	<b>87</b>	<b>88</b>	<b>81</b>	<b>83</b>	<b>75</b>	<b>76</b>	<b>79</b>	<b>78</b>	<b>82</b>	
<b>Total Gen</b>		<b>12843</b>	<b>12540</b>	<b>12365</b>	<b>11893</b>	<b>11873</b>	<b>11592</b>	<b>11508</b>	<b>11394</b>	<b>11228</b>	<b>11057</b>	<b>10960</b>	<b>10937</b>	<b>11008</b>	<b>11369</b>	<b>11322</b>	<b>11175</b>	<b>11769</b>	<b>12686</b>	<b>13399</b>	<b>14009</b>	<b>14411</b>	<b>14677</b>	<b>14998</b>	<b>15099</b>	<b>14953</b>	
TIE-BGAT		0	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		0	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-PLTG		-5	-25	36	-20	107	120	-27	47	157	5	-39	-37	-81	1	101	11	76	-88	6	-70	-42	-80	25	-144	-50	
<b>Interconnection</b>		<b>-5</b>	<b>-25</b>	<b>36</b>	<b>-20</b>	<b>107</b>	<b>120</b>	<b>-27</b>	<b>47</b>	<b>157</b>	<b>5</b>	<b>-39</b>	<b>-37</b>	<b>-81</b>	<b>1</b>	<b>101</b>	<b>11</b>	<b>76</b>	<b>-88</b>	<b>6</b>	<b>-70</b>	<b>-42</b>	<b>-80</b>	<b>25</b>	<b>-144</b>	<b>-50</b>	
<b>System Total</b>		<b>12848</b>	<b>12565</b>	<b>12329</b>	<b>11913</b>	<b>11766</b>	<b>11472</b>	<b>11535</b>	<b>11347</b>	<b>11071</b>	<b>11052</b>	<b>10999</b>	<b>10974</b>	<b>11089</b>	<b>11368</b>	<b>11221</b>	<b>11164</b>	<b>11693</b>	<b>12774</b>	<b>13393</b>	<b>14079</b>	<b>14453</b>	<b>14757</b>	<b>14973</b>	<b>15243</b>	<b>15003</b>	
SRev ST-Coal		-1	3	4	23	3	5	1	2	5	1	-3	9	-3	11	3	-6	-3	0	9	2	-4	6	-5	-9	4	-1
SRev ST-Oil		14	14	29	66	66	66	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
SRev CCGT-Gas		456	503	542	1052	806	973	1071	1138	1230	1426	1499	1533	1495	1217	1223	1392	1104	761	627	633	438	458	264	209	226	
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
SRev Distillate		453	116	202	80	81	81	81	81	81	80	80	80	80	80	40	172	73	119	151	128	114	89	98	98	106	
SRev Co-Gen		-2	-3	-7	-7	-7	-6	-7	-7	-4	-6	-5	-4	-7	-5	-4	-5	-2	-2	1	-1	3	2	-7	-4	-8	-7
Syncon		388	539	539	625	625	625	474	625	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
Hydro		206	231	181	80	160	191	233	134	104	85	110	91	68	42	129	41	93	40	268	145	244	283	226	182	374	
<b>S.Reserve Total</b>		<b>1514</b>	<b>1403</b>	<b>1490</b>	<b>1919</b>	<b>1734</b>	<b>1935</b>	<b>1920</b>	<b>2040</b>	<b>2209</b>	<b>2379</b>	<b>2474</b>	<b>2502</b>	<b>2426</b>	<b>2138</b>	<b>2184</b>	<b>2387</b>	<b>2058</b>	<b>1659</b>	<b>1542</b>	<b>1242</b>	<b>1147</b>	<b>1321</b>	<b>1038</b>	<b>939</b>	<b>1250</b>	