

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,196	MW
Hydro	1,818	MW
Distillate	315	MW
<b>Total TNB</b>	<b>7,539</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,335</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>73</b>	<b>MW</b>
<b>System Total</b>	<b>17,947</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30	
TNB Generation	6,226 MW
IPP Generation	9,588 MW
Total Set On Bus	16,848 MW
Maximum Demand	15,856 MW
Spinning Reserve	961 MW
Net Energy	331,224 MWH
Load Factor	87.0 %

**Maximum Demand Record**

<b>Date :</b>	19/03/2013	16,133.0 MW
<b>Date :</b>	20/03/2013	333,019.0 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	13271	12581	12077	11754	11517	11461	11755	11823	12253	13987	14790	15292	15268	14947	15718	15816	15807	15377	14332	14115	14701	14550	14043	13503

**Gas Usage**

Station	(mmscfd)
CBPS	58
GLGR	56
PAKA	109
PGPS	24
SRDG	71
TJGS	111
<b>TNB Total</b>	<b>429</b>
KLPP	106
MPSS	56
PDPS	29
PGLA	70
PKLG	17
PLPS	108
PTEK	32
SGRI	207
SKSP	53
YPGS	69
YPKA	69
<b>IPP Total</b>	<b>818</b>
<b>Total Gas</b>	<b>1,247</b>

**Total Gas Required : 1,465**  
**Gas Calorific Value : 38.500**

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	4
PDPS	8
PGLA	37
PGPS	31
PKLG	129
PTEK	5
SRDG	5
<b>Total</b>	<b>219</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,632.00	14.98 %
ST-Oil	1,314.00	0.40 %
Gas	51,731.00	15.62 %
Hydro	17,440.00	5.27 %
Distillate	2,929.00	0.88 %
<b>Total TNB</b>	<b>123,046.0</b>	<b>37.15 %</b>
ST-Coal	85,270.0	25.74 %
ST-Oil	12,711.0	3.84 %
Gas	102,711.0	31.01 %
Distillate	6,121.0	1.85 %
<b>Total IPP</b>	<b>206,813.0</b>	<b>62.44 %</b>
Co-Gen	2,005.0	0.61 %
<b>Total Co-Gen</b>	<b>2,005.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>331,864.0</b>	<b>100.19 %</b>
PLTG	-90.0	-0.03 %
HVDC	730.0	0.22 %
<b>Interconnection</b>	<b>640.0</b>	<b>0.19 %</b>
<b>Net Energy</b>	<b>331,224.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	360
Hydro	168
Syncon	368
Thermal	28
<b>Total</b>	<b>925</b>

	Weather	Temperature
Morning	Sunny	25
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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	HY02	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	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	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	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	68	35	33	31	34	38	36	36	34	38	36	36	42	35	44	32	29	37	62	80	79	80	52	61
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>632</b>	<b>436</b>	<b>410</b>	<b>404</b>	<b>414</b>	<b>423</b>	<b>419</b>	<b>519</b>	<b>510</b>	<b>525</b>	<b>518</b>	<b>545</b>	<b>535</b>	<b>539</b>	<b>538</b>	<b>505</b>	<b>442</b>	<b>516</b>	<b>887</b>	<b>1064</b>	<b>961</b>	<b>1281</b>	<b>1053</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
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	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
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
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT01	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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
PCUF	CUFG	42	44	43	44	43	45	44	44	44	43	43	44	43	44	44	44	43	44	43	44	44	44	44	43
PCUF	CUFK	36	35	34	34	34	33	35	35	35	34	36	36	35	35	34	34	34	32	30	30	30	30	29	29
<b>Total Co-Gen</b>		<b>78</b>	<b>79</b>	<b>77</b>	<b>78</b>	<b>77</b>	<b>79</b>	<b>77</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>77</b>	<b>79</b>	<b>80</b>	<b>79</b>	<b>79</b>	<b>81</b>	<b>77</b>	<b>81</b>	<b>79</b>	<b>79</b>	<b>78</b>	<b>78</b>	<b>78</b>	
<b>Total Gen</b>		<b>13327</b>	<b>13015</b>	<b>12625</b>	<b>12326</b>	<b>12135</b>	<b>11976</b>	<b>11716</b>	<b>11667</b>	<b>11494</b>	<b>11548</b>	<b>11474</b>	<b>11593</b>	<b>11693</b>	<b>11649</b>	<b>11782</b>	<b>11538</b>	<b>12362</b>	<b>13175</b>	<b>13899</b>	<b>14520</b>	<b>14835</b>	<b>15307</b>	<b>15313</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	31	31	31	31	31	30	30	31	31	29	29	31	31	31	31	31	31	30
TIE-PLTG		26	4	13	22	28	-12	-68	49	-54	-23	-18	-31	-92	-112	-71	-69	79	-62	-119	-84	14	53	-9	-35
<b>Interconnection</b>		<b>56</b>	<b>35</b>	<b>44</b>	<b>52</b>	<b>58</b>	<b>18</b>	<b>-38</b>	<b>80</b>	<b>-23</b>	<b>8</b>	<b>13</b>	<b>-1</b>	<b>-62</b>	<b>-82</b>	<b>-41</b>	<b>-39</b>	<b>109</b>	<b>-31</b>	<b>-88</b>	<b>-53</b>	<b>45</b>	<b>83</b>	<b>21</b>	
<b>System Total</b>		<b>13271</b>	<b>12980</b>	<b>12581</b>	<b>12274</b>	<b>12077</b>	<b>11958</b>	<b>11754</b>	<b>11587</b>	<b>11517</b>	<b>11540</b>	<b>11461</b>	<b>11594</b>	<b>11755</b>	<b>11731</b>	<b>11823</b>	<b>11577</b>	<b>12253</b>	<b>13206</b>	<b>13987</b>	<b>14573</b>	<b>14790</b>	<b>15224</b>	<b>15292</b>	
SRev ST-Coal		16	20	26	20	27	27	31	18	27	18	20	22	18	18	17	14	26	17	13	19	20	24	22	
SRev ST-Oil		11	29	29	30	30	14	3	3	3	3	9	5	4	5	5	4	13	13	15	14	12	12	9	
SRev CCGT-Gas		219	335	751	1067	1323	1522	1784	1947	2102	2069	2134	2037	1937	1983	1849	2129	1242	538	276	231	294	274	317	
SRev OCGT-Gas		56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	86	162	221	88	213	207	
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	32	58	32	27	22	22	
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		474	474	625	625	625	625	625	625	625	625	625	625	474	625	474	625	474	474	474	474	474	474	474	323
Hydro		321	224	99	105	95	86	90	90	99	84	91	215	74	221	71	255	167	95	208	51	134	85	313	
<b>S.Reserve Total</b>		<b>1232</b>	<b>1082</b>	<b>1530</b>	<b>1847</b>	<b>2100</b>	<b>2274</b>	<b>2533</b>	<b>2683</b>	<b>2856</b>	<b>2799</b>	<b>2873</b>	<b>2757</b>	<b>2659</b>	<b>2700</b>	<b>2570</b>	<b>2903</b>	<b>2097</b>	<b>1336</b>	<b>1021</b>	<b>859</b>	<b>1039</b>	<b>905</b>	<b>1225</b>	