

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,206	MW
Hydro	1,807	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,543</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,479</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>85</b>	<b>MW</b>
<b>System Total</b>	<b>19,107</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,185	MW
IPP Generation	9,728	MW
Total Set On Bus	15,968	MW
Maximum Demand	14,964	MW
Spinning Reserve	970	MW
Net Energy	310,001	MWH
Load Factor	86.3	%

**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	12186	11432	11131	10823	10647	10404	10778	10772	11124	12832	13755	14344	14368	14059	14688	14814	14964	14622	13594	13201	14096	14046	13515	13249

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	57
PAKA	86
PGPS	40
SRDG	8
TJGS	206
<b>TNB Total</b>	<b>445</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	133
<b>Total</b>	<b>133</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,965.00	10.63 %
Gas	58,521.00	18.88 %
Hydro	10,319.00	3.33 %
<b>Total TNB</b>	<b>101,805.0</b>	<b>32.84 %</b>
ST-Coal	94,303.0	30.42 %
ST-Oil	13,066.0	4.21 %
Gas	99,227.0	32.01 %
<b>Total IPP</b>	<b>206,596.0</b>	<b>66.64 %</b>
Co-Gen	2,347.0	0.76 %
<b>Total Co-Gen</b>	<b>2,347.0</b>	<b>0.76 %</b>
<b>Total Generation</b>	<b>310,748.0</b>	<b>100.24 %</b>
PLTG	17.0	0.01 %
HVDC	730.0	0.24 %
<b>Interconnection</b>	<b>747.0</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>310,001.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	316
Hydro	153
Syncon	526
Thermal	-1
<b>Total</b>	<b>994</b>

KLPP	100
MPSS	54
PGLA	93
PLPS	100
SGB3	80
SGRI	114
SKSP	54
YPGS	36
YPKA	129
<b>IPP Total</b>	<b>761</b>
<b>Total Gas</b>	<b>1,206</b>

Total Gas Required : 1,338  
Gas Calorific Value : 38.500

**Weather**

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 33





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	CUEG	51	51	51	51	51	52	52	51	51	51	50	48	49	48	48	49	49	48	50	51	52	49	49	49	50	48																								
PCUF	CUEK	42	40	40	41	39	41	41	39	40	39	40	42	40	40	39	37	35	36	37	40	39	39	41	40	39	40																								
Total	Co-Gen	93	91	91	92	90	92	93	90	91	92	90	92	88	89	87	88	85	85	85	87	91	88	88	90	89	88																								
Total	Gen	12263	12006	11551	11331	11264	10776	10792	10669	10599	10581	10413	10413	10521	10864	10881	10844	11114	12167	12928	13249	12755	14160	14396	14616	14369	14238	14116	14296	14712	14902	14845	15000	14998	14914	14753	14119	13592	13240	13329	13965	14103	14233	14133	14053	13618	13479	13187	13066		
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		31	31	30	30	31	31	31	31	31	31	30	31	31	30	32	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	
TIE-PLTG		46	-3	88	-15	103	-23	-61	34	-79	56	-22	-48	-288	-3	78	71	-41	43	65	71	-30	3	21	-1	-29	27	28	3	-7	4	1	7	4	-11	101	84	-32	49	98	-97	-23	70	57	81	73	-54	-93	-60		
Interconnection		77	28	119	15	133	7	-31	65	-48	87	9	-17	-257	27	109	101	-10	74	96	101	0	34	52	29	1	59	57	34	24	34	31	37	34	20	131	114	-2	79	128	-67	7	100	87	111	103	-23	-62	-30		
<b>System Total</b>		12186	11978	11432	11316	11131	10769	10823	10604	10617	10494	10404	10778	10837	10772	10743	11124	12093	12832	13248	12755	14126	14344	14587	14568	14179	14059	14262	14688	14814	14963	14964	14894	14622	14005	13594	13161	13201	14032	14096	14133	14046	13942	13515	13502	13249	13086				
SRev	ST-Coal	12	-24	25	85	92	15	77	79	89	89	162	165	118	10	-11	4	12	0	9	5	13	4	-6	1	-2	8	19	6	3	7	-2	-1	1	9	3	1	6	0	-6	3	6	2	-10	1	-7	44	37	48		
SRev	ST-Oil	-9	-71	-3	-3	-3	-3	-4	53	52	56	56	43	4	-6	-6	-3	-3	-3	-3	-3	-3	-3	-1	-1	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
SRev	CCGT-Gas	714	1120	1132	1268	1297	1785	1738	1797	1747	1757	1750	1759	1710	1613	1568	1714	1496	1245	716	834	523	323	357	219	481	496	609	403	225	216	268	236	269	248	266	409	520	859	803	233	322	246	278	252	469	510	453	365		
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
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
Syncon		726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
Hydro		133	79	135	83	119	138	74	280	68	74	90	220	57	188	134	122	63	123	143	71	90	174	150	62	202	145	144	184	227	157	191	251	216	162	267	165	148	164	146	94	240	238	167	163	159	212	150	113		
<b>S.Reserve Total</b>		1576	1830	2015	2159	2231	2661	2612	2727	2683	2698	2784	2775	2667	2429	2413	2560	2291	2091	1591	1633	1349	1125	906	1303	1422	1545	1365	1079	1066	1122	968	970	1054	1217	1205	1302	1651	1572	959	1045	963	1064	1045	1249	1243	1267	1153			