

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,411 MW
Hydro	1,694 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,635 MW</b>
<b>Total IPP</b>	<b>11,332 MW</b>
<b>Total Co-Gen</b>	<b>39 MW</b>
<b>System Total</b>	<b>19,286 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,311 MW
IPP Generation	9,815 MW
Total Set On Bus	16,023 MW
Maximum Demand	15,131 MW
Spinning Reserve	858 MW
Net Energy	310,559 MWH
Load Factor	85.5 %

**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	11931	11292	10959	10628	10354	10652	10655	10627	11174	13104	14005	14581	14585	14355	14787	14956	15094	14520	13626	13298	13875	14052	13779	13400

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	57
PAKA	35
PGPS	50
SRDG	33
TJGS	220
<b>TNB Total</b>	<b>452</b>
KLPP	112
MPSS	56
PGLA	99
PKLG	6
PLPS	114
SGB3	84
SGRI	114
SKSP	39
YPKA	104
<b>IPP Total</b>	<b>729</b>
<b>Total Gas</b>	<b>1,182</b>

Total Gas Required : 1,227  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	45
<b>Total</b>	<b>45</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,119.00	10.66 %
Gas	59,243.00	19.08 %
Hydro	10,527.00	3.39 %
<b>Total TNB</b>	<b>102,889.0</b>	<b>33.13 %</b>
ST-Coal	107,561.0	34.63 %
ST-Oil	4,402.0	1.42 %
Gas	94,186.0	30.33 %
<b>Total IPP</b>	<b>206,149.0</b>	<b>66.38 %</b>
Co-Gen	1,215.0	0.39 %
<b>Total Co-Gen</b>	<b>1,215.0</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>310,253.0</b>	<b>99.90 %</b>
PLTG	304.0	0.10 %
HVDC	-610.0	-0.20 %
<b>Interconnection</b>	<b>-306.0</b>	<b>-0.10 %</b>
<b>Net Energy</b>	<b>310,559.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	290
Hydro	159
Syncon	438
Thermal	30
<b>Total</b>	<b>917</b>

**Weather Temperature**

Weather	Temperature
Morning	Cloudy 24
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																												
PCUF	CUFK	36	36	35	32	32	35	36	35	34	35	35	34	35	34	31	31	30	29	28	26	27	26	26	26	24	26	27	25	28	27	30	29	29	30	29	29	29	30	37	37	36	35	37	34								
Total Co-Gen		49	50	49	45	46	47	49	49	47	48	49	48	49	46	45	48	49	47	45	45	43	41	41	40	39	39	40	39	37	39	41	39	42	41	45	42	43	43	42	43	43	44	51	51	49	49	51	47				
Total Gen		11927	11649	11203	10984	10813	10751	10534	10456	10352	10391	10534	10379	10528	10681	10672	10719	11392	12387	13077	13592	13987	14449	14569	14752	14632	14455	14306	14558	14881	15165	14966	15070	15061	15040	14571	13923	13583	13406	13262	13551	13720	14068	14003	14004	13779	13631	13314	13083				
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		30	30	30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29					
TIE-PLTG		-28	-36	-113	18	-111	-1	-59	-8	34	-77	-83	61	-99	40	74	110	253	71	2	33	16	6	17	-19	76	20	-20	10	123	64	40	44	-4	85	80	59	-13	50	-7	33	-126	-42	-19	-44	29	-35	-57	-38				
Interconnection		2	-6	-83	-11	-140	-30	-88	-37	5	-106	-112	33	-127	11	45	81	224	42	-27	3	-14	-23	-12	-48	47	-9	-49	-19	94	34	10	15	-33	56	51	29	-43	21	-36	4	-155	-72	-49	-73	0	-64	-86	-67				
System Total		11925	11655	11286	10995	10953	10781	10622	10493	10347	10497	10646	10346	10655	10670	10627	10638	11168	12345	13104	13589	14001	14472	14581	14800	14585	14464	14355	14577	14787	15131	14956	15055	15094	14984	14520	13894	13626	13385	13298	13547	13875	14140	14052	14077	13779	13695	13400	13150				
SRev ST-Coal		30	27	16	38	8	38	25	33	39	28	31	26	8	35	25	34	8	25	30	36	39	39	27	31	29	29	23	20	46	35	30	35	19	33	34	24	30	36	30	23	8	39	29	36	35	39	29	21				
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		
SRev ST-Oil		0	0	0	0	0	0	0	0	0	28	28	28	28	28	28	28	28	28	2	0	-2	1	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 CCGT-Gas		365	441	487	353	510	542	864	936	1155	1279	1194	1338	1366	1188	1243	1429	932	1308	736	709	611	351	291	167	230	289	534	507	272	167	302	173	175	225	249	266	431	592	746	452	362	109	156	155	334	252	381	288				
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		539	388	388	539	640	640	640	640	640	489	489	640	640	489	640	489	640	388	539	539	237	388	539	539	539	539	539	539	539	388	388	388	539	388	640	640	640	640	640	640	489	640	640	640	640	489						
Hydro		133	270	227	163	107	108	108	106	123	112	71	260	216	69	126	262	245	236	133	57	371	313	248	184	244	81	67	79	91	228	245	169	43	239	223	234	149	159	154	166	104	230	114	108	153	81	71	189				
S.Reserve Total		1067	1126	1118	1093	1265	1328	1687	1715	1957	2059	1964	2141	2107	1960	2062	2242	1853	1985	1466	1343	1258	1104	1116	932	1051	949	1229	1216	990	858	1009	903	914	934	1206	1271	1252	1429	1572	1284	1117	870	942	941	1164	1014	1123	990				