

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,265 MW
Hydro	1,667 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,142 MW</b>
<b>Total IPP</b>	<b>10,963 MW</b>
<b>Total Co-Gen</b>	<b>89 MW</b>
<b>System Total</b>	<b>19,754 MW</b>

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

At Daily Maximum Demand Hour : 20:30

TNB Generation	4,959 MW
IPP Generation	7,094 MW
Total Set On Bus	13,112 MW
Maximum Demand	12,153 MW
Spinning Reserve	970 MW
Net Energy	255,760 MWH
Load Factor	87.7 %

**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	11528	10983	10588	10102	9993	9936	9876	9893	9225	9550	10144	10634	10819	10791	10832	10776	10762	10510	10633	11077	12130	12092	11864	11497

**Gas Usage**

Station	(mmscfd)
GLGR	58
PGPS	25
SRDG	5
TJGS	220
<b>TNB Total</b>	<b>308</b>
KLPP	93
MPSS	54
PGLA	51
PLPS	92
SGB3	36
YPGS	29
YPKA	90
<b>IPP Total</b>	<b>446</b>
<b>Total Gas</b>	<b>754</b>
<b>Total Gas Required :</b>	<b>754</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,148.00	18.83 %
Gas	42,917.00	16.78 %
Hydro	11,465.00	4.48 %
<b>Total TNB</b>	<b>102,530.0</b>	<b>40.09 %</b>
ST-Coal	93,013.0	36.37 %
ST-Gas	571.0	0.22 %
Gas	57,682.0	22.55 %
<b>Total IPP</b>	<b>151,266.0</b>	<b>59.14 %</b>
Co-Gen	2,243.0	0.88 %
<b>Total Co-Gen</b>	<b>2,243.0</b>	<b>0.88 %</b>
<b>Total Generation</b>	<b>256,039.0</b>	<b>100.11 %</b>
PLTG	339.0	0.13 %
EGAT	641.0	0.25 %
HVDC	-701.0	-0.27 %
<b>Interconnection</b>	<b>279.0</b>	<b>0.11 %</b>
<b>Net Energy</b>	<b>255,760.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	210
Hydro	161
Syncon	452
Thermal	66
<b>Total</b>	<b>888</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 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
BSIA	HY02	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	13	13	21	22	21	22	22	22	22	21	21	22	22	22	21	21	22	21	20	21	11	11	10	10
CEND	HY01	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	9	10	9	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10
KNRG	HY03	32	32	31	32	32	31	31	32	32	31	32	31	32	32	32	32	32	31	32	31	32	32	31	31
KNYR	HY01	101	100	96	104	101	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	100	99	95	103	99	57	57	89	69	60	93	59	63	104	100	60	53	106	68	105	95	92	68	
KNYR	HY03	100	99	96	103	100	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	101	100	96	103	101	98	57	62	58	60	61	56	60	64	60	60	53	65	63	64	63	103	101	
LPIA	HY01	20	20	21	20	21	20	21	20	20	20	20	21	21	21	21	21	20	20	21	20	20	20	20	20
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	6	6	6	8	8	7	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
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	
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	
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	
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	
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	
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	
TMGR	HY02	63	61	56	64	61	58	57	62	59	60	61	57	60	64	60	60	55	67	63	65	62	63	60	
TMGR	HY03	64	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		627	617	534	574	558	465	267	309	282	275	311	267	290	326	335	274	254	353	290	330	317	609	730	
PCUF	CUF	50	55	54	48	54	50	51	51	52	51	49	47	53	54	47	55	56	51	55	51	52	52	53	
PCUF	CUF	35	35	35	35	37	33	35	36	37	36	34	33	35	34	34	34	33	32	31	32	33	32	33	
Total Co-Gen		85	90	89	83	89	87	84	86	88	88	85	83	87	87	80	90	86	90	85	86	87	83	85	
Total Gen		11486	11268	11020	10786	10560	10471	10143	10081	9986	9958	9965	9861	9885	9989	9922	9638	9239	9471	9567	9898	10148	10509		
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	77	78	79	75	75	76	77	80	82	84	84		
TIE-HVDC		-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28	-31	-31	-28	-28	-30	-30	-30	-30	-29	-30		
TIE-PLTG		-14	44	67	-11	1	59	70	35	22	65	58	100	38	-38	-20	30	-33	-42	-28	-76	-48	-49		
Interconnection		-42	14	37	-40	-28	30	41	6	-7	36	29	71	9	10	29	80	14	2	17	-27	4			
System Total		11528	11254	10983	10826	10588	10441	10102	10075	9993	9922	9936	9790	9876	9979	9893	9558	9225	9469	9550	9925	10144	10504		
SRev ST-Coal		11	12	17	17	11	16	16	119	115	130	178	171	166	259	263	412	448	462	478	451	345	293		
SRev ST-Oil		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		397	380	396	337	347	337	461	457	533	544	515	580	586	428	498	574	925	768	647	385	235	154		
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		
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		
Syncon		625	625	625	625	625	726	726	726	726	726	575	726	575	726	575	726	726	625	625	625	625	625		
Hydro		75	85	61	21	37	130	127	85	112	119	83	127	255	68	210	120	140	192	104	64	77			
S.Reserve Total		1113	1107	1104	1005	1025	1113	1335	1392	1491	1524	1507	1609	1587	1486	1551	1837	2244	2002	1960	1631	1388	1113		