

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,256 MW
Hydro	1,830 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,296 MW</b>
<b>Total IPP</b>	<b>10,227 MW</b>
<b>Total Co-Gen</b>	<b>68 MW</b>
<b>System Total</b>	<b>18,591 MW</b>

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

At Daily Maximum Demand Hour : 19:30	
TNB Generation	5,410 MW
IPP Generation	6,918 MW
Total Set On Bus	13,345 MW
Maximum Demand	12,422 MW
Spinning Reserve	949 MW
Net Energy	263,615 MWH
Load Factor	88.4 %

**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	10897	10572	10184	9786	9650	9350	9372	9309	9318	10371	11106	11570	11727	11514	11721	11772	11813	11485	11209	11966	12406	12275	12093	12010

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	63
PGPS	26
SRDG	8
TJGS	219
<b>TNB Total</b>	<b>363</b>
KLPP	68
MPSS	57
PGLA	55
PLPS	105
SGB3	82
SKSP	37
YPGS	34
YPKA	96

<b>IPP Total</b>	<b>535</b>
<b>Total Gas</b>	<b>898</b>

Total Gas Required :	952
Gas Calorific Value :	38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	54
<b>Total</b>	<b>54</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,270.00	18.69 %
Gas	49,313.00	18.71 %
Hydro	10,844.00	4.11 %
<b>Total TNB</b>	<b>109,427.0</b>	<b>41.51 %</b>
ST-Coal	78,283.0	29.70 %
ST-Oil	5,274.0	2.00 %
Gas	69,319.0	26.30 %
<b>Total IPP</b>	<b>152,876.0</b>	<b>57.99 %</b>
Co-Gen	1,873.0	0.71 %
<b>Total Co-Gen</b>	<b>1,873.0</b>	<b>0.71 %</b>
<b>Total Generation</b>	<b>264,176.0</b>	<b>100.21 %</b>
PLTG	-164.0	-0.06 %
HVDC	725.0	0.28 %
<b>Interconnection</b>	<b>561.0</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>263,615.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	209
Hydro	153
Syncon	528
Thermal	24
<b>Total</b>	<b>914</b>

**Weather**
**Temperature**

Morning	Sunny	26
Afternoon	Hot	31



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
SRDG	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
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
Total 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
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY03	12	12	10	9	10	10	12	11	12	10	10	11	12	10	12	12	13	12	12	11	11	11	11	
CEND	HY02	9	10	9	9	10	10	9	10	9	10	9	10	9	10	9	10	10	10	10	10	10	9	10	
CEND	HY03	9	9	9	9	10	9	9	9	10	10	9	9	9	10	10	10	10	10	10	10	10	10	10	
KNRG	HY01	36	35	33	31	33	32	35	34	35	33	32	32	34	34	33	35	35	34	34	34	34	34	35	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	93	61	56	49	53	49	100	59	99	56	52	53	60	75	55	100	92	100	81	67	68	74		
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	21	22	22	21	21	22	25	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
MNOR	HY01	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
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	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-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	22	110	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	50	50	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	25	25	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	35	32	28	21	26	22	38	32	38	28	24	26	31	35	26	38	35	42	34	38	39	34		
TMGR	HY03	0	0	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	HY02	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Hydro		491	545	349	152	165	153	223	172	219	164	154	157	197	192	181	221	210	226	197	187	192	343	368	
PCUF	CUFG	46	47	47	47	47	47	47	48	47	45	48	48	48	48	46	45	44	44	44	42	43	43	43	
PCUF	CUFK	30	31	31	31	31	29	33	31	32	31	33	33	32	32	33	33	33	30	29	25	26	25	23	
Total Co-Gen		76	78	78	78	78	76	80	79	79	76	81	81	80	81	81	81	79	75	73	69	71	69	67	
Total Gen		10974	10801	10562	10295	10213	9929	9740	9701	9644	9511	9447	9352	9419	9430	9373	9188	9174	9767	10386	10827	11069	11477	11596	
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	
TIE-HVDC		30	31	31	30	30	31	31	29	29	30	30	29	31	31	31	30	30	30	30	31	31	31	31	
TIE-PLTG		47	-29	-41	56	-1	90	-77	32	-35	36	67	67	16	-111	33	2	-174	-66	-15	-45	-68	32		
Interconnection		77	2	-10	86	29	121	-46	61	-6	66	97	96	47	-80	64	32	-144	-36	15	-14	-37	62		
System Total		10897	10799	10572	10209	10184	9808	9786	9640	9650	9445	9350	9256	9372	9510	9309	9156	9318	9803	10371	10841	11106	11415	11570	
SRev ST-Coal		14	13	0	11	9	8	12	15	77	62	112	161	145	157	160	255	261	303	297	47	16	11		
SRev ST-Oil		39	39	38	38	39	39	39	41	40	39	39	40	40	40	41	40	39	38	28	0	0	0	0	
SRev CCGT-Gas		186	67	124	183	279	550	589	572	615	706	715	763	751	724	765	897	895	764	565	643	503	253		
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	

