

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,691 MW
Hydro	1,833 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7.734 MW</b>
<b>Total IPP</b>	<b>9,959 MW</b>
<b>Total Co-Gen</b>	<b>58 MW</b>
<b>System Total</b>	<b>17,751 MW</b>

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

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,193 MW
IPP Generation	8,391 MW
Total Set On Bus	14,627 MW
Maximum Demand	13,643 MW
Spinning Reserve	985 MW
Net Energy	284,298 MWH
Load Factor	86.8 %

**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	11206	10629	10224	9973	9731	9591	9808	10018	10687	12241	13143	13606	13433	13090	13401	13381	13382	13146	12289	12352	12857	12523	11914	11591

**Gas Usage**

Station	(mmscfd)
CBPS	55
GLGR	61
PAKA	33
PGPS	53
SRDG	32
TJGS	160
<b>TNB Total</b>	<b>393</b>
KLPP	72
MPSS	58
PDPS	11
PGLA	110
PKLG	7
PLPS	104
PTEK	5
SGB3	58
SGRI	72
SKSP	56
YPKA	103
<b>IPP Total</b>	<b>656</b>
<b>Total Gas</b>	<b>1.049</b>

Total Gas Required : 1,049  
Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,442.00	17.04 %
Gas	50,153.00	17.64 %
Hydro	7,652.00	2.69 %
<b>Total TNB</b>	<b>106,247.0</b>	<b>37.37 %</b>
ST-Coal	90,947.0	31.99 %
ST-Gas	522.0	0.18 %
Gas	84,568.0	29.75 %
<b>Total IPP</b>	<b>176,037.0</b>	<b>61.92 %</b>
Co-Gen	1,551.0	0.55 %
<b>Total Co-Gen</b>	<b>1,551.0</b>	<b>0.55 %</b>
<b>Total Generation</b>	<b>283,835.0</b>	<b>99.84 %</b>
PLTG	145.0	0.05 %
HVDC	-608.0	-0.21 %
<b>Interconnection</b>	<b>-463.0</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>284,298.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	248
Hydro	167
Syncon	558
Thermal	10
<b>Total</b>	<b>983</b>

**Weather Temperature**

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
TJGS	ST1C	116	116	110	117	117	117	90	79	96	96	96	96	96	118	118	118	118	118	118	118	118	118	118	118
TJGS	GT2A	218	219	219	217	171	162	164	164	162	164	165	164	164	165	164	165	164	164	165	164	165	164	164	165
TJGS	GT2B	215	215	215	217	169	159	160	161	161	161	162	160	162	160	160	161	218	213	213	216	214	214	216	216
TJGS	ST2C	261	261	261	260	246	226	227	226	225	226	226	225	225	226	225	226	261	261	261	261	261	261	261	260
Total CCGT-Gas		4861	4669	4505	4558	4349	4314	4316	4088	4030	4097	4044	4105	4108	4167	4385	4512	4784	5435	5874	5959	6181	6092	6296	6281
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	112	68	111	113	63	64	65
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	67	112	112	61	63	65	112
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	100	100	100	100	104	60	60
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	107	106	107	70	70	71	108
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	101	102	102	101	101	100	100
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	131	133	132	123	128	89
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	141	141	142	143	144	143	141
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	233	388	790	717	806	813	620	626	545	810	808
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
KNRG	HY01	24	24	17	22	21	22	24	20	22	23	22	25	23	24	22	22	26	23	24	21	22	22	19	21
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	-1
KNYR	HY02	63	62	46	60	57	57	62	53	62	55	60	62	63	64	61	60	59	59	66	61	61	57	61	60
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	0
LPJA	HY01	27	27	26	26	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
MNOR	HY01	7	7	7	7	7	7	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
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	-1
PGAU	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
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	-1
PGAU	HY04	-1	-1	-1	-1	-1	17	-1	-1	112	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	49	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	0	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	0
SYPS	HY01	25	25	10	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	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	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	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	-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	HY04	-1	-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	5
Total Hydro		400	400	311	145	142	161	166	131	255	135	141	142	146	172	142	142	140	170	365	567	590	603	624	622
PCUF	CUFG	19	18	18	18	18	18	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
PCUF	CUFK	40	40	39	38	41	39	40	41	41	38	41	39	38	39	40	40	39	40	41	40	38	40	40	40
Total Co-Gen		59	58	57	56	59	57	58	59	56	59	57	56	56	58	58	57	58	59	58	56	58	58	57	56
Total Gen		11186	10991	10736	10452	10142	10087	9964	9697	9618	9577	9523	9580	9721	9818	9994	10133	10652	11545	12181	12687	13084	13412	13568	13642
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		31	30	30	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-51	8	77	15	-53	121	21	37	-84	-18	-39	-93	-58	-68	5	-59	-6	-11	-31	12	-30	62	-9	
Interconnection		-20	38	107	-14	-82	92	-9	8	-113	-47	-68	-122	-87	-97	-24	-88	-35	-40	-60	-17	-59	33	-38	

*Daily MW Generation On Monday*

24-Dec-2012

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																										
<b>System Total</b>		11206	10953	10629	10466	10224	9995	9973	9689	9731	9624	9591	9702	9808	9915	10018	10221	10687	11585	12241	12704	13143	13379	13606	13643	13433	13137	13090	13190	13401	13472	13381	13321	13382	13350	13146	12758	12289	12138	12352	12928	12857	12857	12523	12334	11914	11835	11591	11171		
SRev ST-Coal		21	23	24	194	295	332	460	465	549	532	535	544	471	460	467	465	217	4	3	18	20	16	14	12	25	18	19	36	13	2	25	36	27	28	34	24	44	28	6	44	-51	-41	23	16	3	-40	65	46		
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	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 CCGT-Gas		412	604	768	715	924	976	974	1202	1260	1283	1336	1275	1272	1213	995	1008	1186	535	256	356	204	383	179	194	290	231	236	154	212	229	275	166	168	181	175	312	385	531	508	114	287	208	439	343	660	467	630	820		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	52	-2	71	-18	-25	168	162	243	-22	-20	47	89	-10	-12	-9	45	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	575	575	726	575	726	726	726	726	726	575	726	726	726	726	575	575	575	575	575	575	726	726	726	726	726	726	726	726	726	726	726	726	726	575	575	575	726	726	726	575	726	726			
Hydro		60	60	99	65	68	200	193	77	104	73	67	66	62	187	66	66	68	123	279	277	254	241	220	222	286	212	155	155	148	165	176	245	100	88	104	145	179	178	151	147	184	240	125	117	143	238	107	110		
<b>S.Reserve Total</b>		1219	1413	1617	1700	2013	2083	2202	2470	2488	2614	2664	2611	2531	2435	2254	2265	2197	1388	1113	1323	1105	1213	1059	985	1151	1355	1298	1314	1077	1102	1249	1111	1011	1011	1030	1252	1334	1463	1391	880	995	982	1313	1252	1532	1240	1528	1702		