

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,571 MW
Hydro	1,833 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,614 MW</b>
<b>Total IPP</b>	<b>9,839 MW</b>
<b>Total Co-Gen</b>	<b>82 MW</b>
<b>System Total</b>	<b>17,535 MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,887 MW
IPP Generation	9,341 MW
Total Set On Bus	16,184 MW
Maximum Demand	15,266 MW
Spinning Reserve	874 MW
Net Energy	319,690 MWH
Load Factor	87.3 %

**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	12928	12140	11669	11482	11153	10951	11289	11307	11768	13408	14314	14944	14811	14475	15074	15202	15210	14843	13532	13462	14495	14289	13743	13347

**Gas Usage**

Station	(mmscfd)
CBPS	61
GLGR	61
PAKA	122
PGPS	54
SRDG	65
TJGS	107
<b>TNB Total</b>	<b>469</b>
KLPP	83
PDPS	30
PGLA	115
PKLG	14
PLPS	115
PTEK	23
SGB3	93
SGRI	87
SKSP	59
YPGS	34
YPKA	138
<b>IPP Total</b>	<b>790</b>
<b>Total Gas</b>	<b>1,259</b>
<b>Total Gas Required :</b>	<b>1,291</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	32
<b>Total</b>	<b>32</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,657.00	15.53 %
Gas	57,372.00	17.95 %
Hydro	15,375.00	4.81 %
<b>Total TNB</b>	<b>122,404.0</b>	<b>38.29 %</b>
ST-Coal	91,213.0	28.53 %
ST-Gas	300.0	0.09 %
ST-Oil	3,125.0	0.98 %
Gas	101,333.0	31.70 %
<b>Total IPP</b>	<b>195,971.0</b>	<b>61.30 %</b>
Co-Gen	2,205.0	0.69 %
<b>Total Co-Gen</b>	<b>2,205.0</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>320,580.0</b>	<b>100.28 %</b>
PLTG	165.0	0.05 %
HVDC	725.0	0.23 %
<b>Interconnection</b>	<b>890.0</b>	<b>0.28 %</b>
<b>Net Energy</b>	<b>319,690.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	322
Hydro	245
Syncon	306
Thermal	10
<b>Total</b>	<b>884</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
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																														
YPGS	GT11	130	128	127	128	127	129	128	130	129	128	130	127	128	129	129	129	127	126	124	123	125	122	125	123	123	122	127	130	129	127	127	128	128	130	130	128	128	132	132	130	129	129	131	129	128									
YPGS	ST10	69	69	69	68	69	69	69	69	69	69	67	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68								
YPKA	BLK1	355	385	385	390	390	389	389	391	391	393	393	391	391	389	389	392	392	389	389	387	387	388	388	387	387	384	384	385	385	384	384	376	376	376	376	376	376	375	375	376	376	375	374	374	375	375	372							
YPKA	BLK2	354	384	384	389	389	388	388	390	390	391	391	390	390	389	389	391	391	389	389	387	387	387	388	388	384	384	384	384	383	383	375	375	376	376	376	376	376	376	374	374	376	376	374	374	373	373	374	374	371					
PLPS	GT11	139	141	141	141	129	105	64	65	66	66	66	65	66	105	67	66	147	142	141	141	139	139	139	139	138	138	137	137	137	137	137	137	137	137	137	137	137	137	138	137	138	137	137	137	136	137	141	141	140					
PLPS	GT12	146	148	147	148	135	109	109	69	68	68	70	69	109	110	148	147	146	146	145	145	144	145	144	143	143	143	143	142	142	143	143	142	142	143	143	142	142	143	142	140	141	141	140	140	141	141	141	147	145	146				
PLPS	GT13	143	145	146	145	134	113	112	63	62	63	64	63	112	112	144	145	145	145	143	143	144	144	142	142	142	141	141	141	141	141	131	135	134	134	134	134	132	133	133	133	133	133	133	133	133	145	144	144						
PLPS	ST18	215	213	214	215	211	193	188	180	148	145	145	145	192	192	181	216	215	216	213	213	213	213	213	213	213	213	212	213	213	212	213	213	212	212	212	212	212	209	211	211	211	212	211	212	211	211	211	214	214	213				
SKSP	BLK1	344	341	340	345	345	341	340	341	344	343	342	338	339	340	342	339	345	341	339	341	338	340	343	342	341	339	340	339	339	340	341	339	340	338	340	341	342	341	341	340	339	340	340	340	342	341	342	340	340					
TJGS	GT2A	205	206	205	205	204	205	205	206	208	206	205	205	206	207	207	205	206	206	205	205	205	202	204	202	203	203	203	201	202	202	203	203	203	202	204	163	204	204	204	204	204	205	204	205	205	205	205	205						
TJGS	GT2B	211	211	211	211	211	211	211	211	213	213	212	212	212	212	215	215	213	213	213	212	212	210	210	210	210	210	210	210	210	210	210	210	210	210	210	161	212	209	212	212	209	212	209	212	212	212	210	212						
TJGS	ST2C	260	259	260	259	259	259	260	259	260	259	260	260	260	259	260	260	259	260	259	260	259	260	259	260	259	259	259	259	258	258	259	258	259	228	255	258	258	259	259	259	259	259	259	259	259	259	259							
Total CCGT-Gas		6318	6033	6025	5831	5477	5367	5293	5091	4950	4891	4787	4848	4972	5269	5125	5120	5582	6336	6548	6556	6614	6638	6660	6656	6630	6631	6638	6634	6631	6639	6605	6418	6617	6607	6618	6391	6377	6224	6349	6626	6627	6572	6567	6631	6424	6548	6468	6636						
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	102	102	84	101	83	97	75	96	73	72	68	70	71	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	108	110	96	91	94	94	95	94	91	92	94	70	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	101	95	100	99	100	101	99	96	98	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	103	98	102	101	102	103	101	100	100	101	73	80	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	98	101	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	109	108	107	107	108	107	107	108	109	109	108	98	70	70	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	111	110	110	110	109	110	110	110	110	110	111	110	103	71	71	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	101	100	100	99	99	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98			
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	99	99	99	98	98	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97			
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	129	128	106	129	93	129	112	127	119	111	93	94	98	98	129	106	89	89	89	130	130	129	130	130	0	0	0	0	0	0	0	0	0	0			
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	88	122	124	122	119	110	105	99	106	98	97	94	97	96	101	100	102	88	88	110	107	110	119	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	66	694	892	984	1129	1167	1091	1143	1097	1143	1217	1310	1351	1298	1148	1010	972	612	317	318	368	572	577	580	573	372	219	0	0	0	0	0	0	0				
BSIA	HY01	11	11	11	11	11	11	10	11	11	11	11	11	10	11	0	0	0	0	0	0	0	0	0	0	0	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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	12	13	10	11	10	11	11	11	11	11	10	10	11	11	11	12	10	11	10	12	12	10	11	11	10	11	10	11	10	11	10	11				
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7						
CEND	HY02	7	7	7	7	7																																																	

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																												
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	0	0	0	12	16	16	16	16	16	16	16	0	0																				
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	0	0	0	16	16	16	16	16	16	16	16	0	0																				
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	16	25	25	25	25	25	0	0	0	0	0	0	0																					
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	16	25	25	25	25	25	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	-1	-1	-1	-1	-1	-1	-1																					
TMGR	HY02	31	27	29	33	35	36	35	33	33	31	31	35	35	34	24	31	32	44	38	38	42	50	33	36	29	37	34	35	34	32	32	30	33	33	33	36	31	32	31	37	40	32	32	34	31	0	0	0				
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	31	35	28	0	0	0	32	31	31	29	31	32	32	0	0	0	0	0	0	38	31	31	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	-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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Total Hydro		668	359	144	154	165	169	170	164	180	146	146	179	181	156	130	169	139	380	781	620	585	902	1026	1117	1039	766	647	809	1109	1207	1192	1196	1215	1198	1057	947	658	561	572	899	979	955	939	930	886	875	927	503				
PCUF	CUFG	50	50	49	54	51	52	51	53	52	51	53	52	51	51	50	50	51	50	51	50	49	51	50	51	50	51	51	51	53	52	54	51	50	52	53	52	52	51	50	52	53	52	51	50								
PCUF	CUFK	33	35	35	34	35	35	35	34	35	36	37	35	36	37	36	36	36	35	36	35	33	35	33	32	34	32	31	32	31	31	31	31	30	32	32	33	33	34	36	35	34	34	35	35	35	34						
Total Co-Gen		83	85	84	88	86	87	86	88	86	87	87	90	87	88	88	89	88	86	87	85	83	86	83	82	84	83	81	82	82	81	80	81	82	83	83	84	86	85	88	87	85	86	87	87	86	84						
Total Gen		12972	12367	12150	11984	11629	11530	11448	11280	11154	11083	11012	11111	11255	11552	11389	11399	11871	12835	13527	14008	14264	14691	14974	15096	14896	14692	14528	14740	15109	15310	15284	15110	15239	15074	14896	14222	13615	13363	13551	14349	14444	14364	14334	14189	13793	13686	13386	13129				
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	31	31	29	30	29	30	31	31	31	29	29	30	30	31	29	29	31	29	31	31	31	30	31	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	31	31	29	29	29	31	30					
TIE-PLTG		13	79	-21	-21	-69	-62	-63	-59	-29	32	30	-13	-65	69	53	38	73	-4	90	64	-81	-20	-1	4	54	6	22	-27	5	14	52	-11	-1	33	23	14	52	51	58	77	-81	44	14	49	21	-14	8	-70				
Interconnection		44	110	10	10	-40	-32	-34	-29	1	63	61	18	-34	98	82	68	103	27	119	93	-50	9	30	35	85	36	53	3	35	44	82	19	29	63	53	45	83	82	89	107	-51	75	45	78	50	15	39	-40				
System Total		12928	12257	12140	11974	11669	11562	11482	11309	11153	11020	10951	11093	11289	11454	11307	11331	11768	12808	13408	13915	14314	14682	14944	15061	14811	14656	14475	14737	15074	15266	15202	15091	15210	15011	14843	14177	13532	13251	13462	14242	14495	14289	14289	14111	13743	13671	13347	13169				
SRev ST-Coal		-13	0	-7	-21	-11	-17	-9	-31	-6	-1	-15	-8	-17	-6	-4	17	-22	8	-10	-12	-22	-1	-9	3	10	-4	1	-9	-6	-8	-4	-8	-16	-16	1	-19	-15	-9	-12	1	-9	-7	-4	-4	-12	-11	-15	-16				
SRev ST-Gas		0	0	0	0	0	0	29	28	28	28	29	28	29	28	0	0	0	0	0	0	0	0	0	0	0	0	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	28	28	28	28	28	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
SRev CCGT-Gas		407	272	280	474	828	938	1012	1214	1355	1414	1518	1457	1333	1036	1180	1185	863	419	297	289	231	207	185	222	215	214	207	211	214	206	240	427	228	238	227	454	468	666	541	219	218	273	278	214	421	297	417	249				
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	84	104	12	87	56	132	80	126	80	114	129	208	261	301	331	259	183	143	142	222	18	13	10	17	-12	11	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		474	625	726	726	726	726	575	726	726	726	726	726	726	726	726	575	726	474	323	474	625	474	474	323	323	625	776	474	323	172	172	172	172	172	172	172	172	474	625	625	474	474	474	474	474	474	323	625				
Hydro		211	269	133	123	112	108	107	113	248	131	131	98	96	121	147	259	138	149	249	259	143	127	188	248	326	212	180	320	256	347	387	383	326	333	374	249	236	182	196	245	288	312	328	214	258	184	183	155				
S.Reserve Total		1079	1166	1132	1302	1655	1755	1836	2051	2200	2298	2388	2302	2166	1906	2077	2064	1733	1078	1021	1123	1109	897	953	880	1034	1155	1318	1104	929	874	1031	1264	1019	1067	1036	1039	1312	1611	1577	962	989	1067	1098	891	1157	949	908	1013				