

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	145	MW
ST-Oil	0	MW
Gas	4,016	MW
Hydro	1,719	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,860</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,502</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>56</b>	<b>MW</b>
<b>System Total</b>	<b>19,418</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:30		
TNB Generation	6,337	MW
IPP Generation	9,099	MW
Total Set On Bus	16,315	MW
Maximum Demand	15,421	MW
Spinning Reserve	823	MW
Net Energy	319,741	MWH
Load Factor	86.4	%

**Maximum Demand Record**

Date :	16/05/2012	15,723.0 MW
Date :	16/05/2012	325,227.0 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	12660	11937	11692	11139	10908	10898	11235	11133	11562	13541	14409	15054	14970	14699	15175	15291	15320	15096	13975	13693	14687	14510	14067	13448

**Gas Usage**

Station	(mmscfd)
GLGR	46
PAKA	109
PGPS	50
SRDG	47
TJGS	197
<b>TNB Total</b>	<b>449</b>
KLPP	103
MPSS	32
PDPS	6
PGLA	94
PKLG	7
PLPS	110
PTEK	1
SGB3	85
SGRI	79
SKSP	53
YPGS	34
YPKA	104
<b>IPP Total</b>	<b>707</b>
<b>Total Gas</b>	<b>1,156</b>

Total Gas Required : 1,236  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PDPS	2
PKLG	67
SRDG	11
<b>Total</b>	<b>80</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,300.00	14.79 %
Gas	56,099.00	17.55 %
Hydro	21,354.00	6.68 %
Distillate	921.00	0.29 %
<b>Total TNB</b>	<b>125,674.0</b>	<b>39.30 %</b>
ST-Coal	94,960.0	29.70 %
ST-Oil	6,595.0	2.06 %
Gas	91,694.0	28.68 %
Distillate	200.0	0.06 %
<b>Total IPP</b>	<b>193,449.0</b>	<b>60.50 %</b>
Co-Gen	1,859.0	0.58 %
<b>Total Co-Gen</b>	<b>1,859.0</b>	<b>0.58 %</b>
<b>Total Generation</b>	<b>320,982.0</b>	<b>100.39 %</b>
PLTG	166.0	0.05 %
EGAT	375.0	0.12 %
HVDC	700.0	0.22 %
<b>Interconnection</b>	<b>1,241.0</b>	<b>0.39 %</b>
<b>Net Energy</b>	<b>319,741.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	260
Hydro	221
Syncon	288
Thermal	78
<b>Total</b>	<b>847</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																																		
PLPS	GT12	109	110	109	108	108	109	109	75	74	75	74	74	74	74	74	74	145	143	143	143	142	142	142	142	142	142	142	142	142	141	142	132	133	142	141	141	143	143	145	145	146																	
PLPS	GT13	108	107	106	106	108	106	106	69	68	68	69	70	68	68	67	67	147	144	144	143	143	142	141	140	140	141	141	141	141	143	142	142	142	141	141	141	124	126	141	141	141	143	143	146	145	146												
PLPS	ST18	192	193	192	192	192	181	156	153	153	154	153	155	152	152	153	211	212	211	213	212	211	212	211	213	213	212	212	212	213	213	213	211	206	206	209	210	210	212	211	211	211	211	211	211														
SKSP	BLK1	287	252	299	241	233	212	206	224	239	220	220	247	298	290	227	216	249	324	315	338	336	341	336	334	336	335	336	337	334	333	334	335	332	287	270	274	213	214	216	237	336	331	306	334	234	335	257	309										
TJGS	GT1A	223	226	226	226	226	226	210	179	160	160	160	160	199	199	199	196	225	225	222	225	225	225	225	225	228	225	225	225	225	225	225	225	222	222	222	222	222	222	222	222	222	222	225	225	225	225	225											
TJGS	GT1B	220	220	220	220	220	213	203	170	152	152	151	151	153	189	189	189	221	218	218	218	218	218	218	218	221	221	218	218	218	218	218	215	218	215	215	215	215	215	215	215	218	218	218	218	218	218	218	218	222									
TJGS	ST1C	259	259	259	259	259	239	211	197	197	197	197	223	223	226	226	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257										
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	45	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140	124	140									
TJGS	GT2B	218	221	221	221	221	204	153	153	155	154	153	154	155	153	154	119	135	214	215	215	215	218	214	215	214	213	216	213	213	216	215	215	215	215	215	215	217	215	217	217	217	219	219	219	219	222	222	222	222									
TJGS	ST2C	120	122	121	120	120	103	100	98	100	99	101	99	100	98	100	93	97	94	211	252	261	261	261	254	261	260	261	261	262	261	261	261	260	262	262	262	262	262	262	263	263	263	263	264	264	264	264	266	266	266	266							
Total CCGT-Gas		4990	4795	4487	4396	4394	4271	4070	3889	3797	3737	3801	3822	3886	3973	3901	3902	4033	5235	5966	6426	6730	6765	6786	6781	6783	6736	6738	6781	6855	6850	6818	6853	6864	6803	6788	6780	6679	6355	6379	6755	6863	6865	6847	6888	6715	6904	6662	6565										
GLGR	GT01	107	108	0	0	0	0	0	0	0	0	0	0	0	0	0	110	108	108	107	107	106	105	106	105	104	104	104	104	103	104	103	104	105	105	105	104	105	105	105	105	106	106	106	107	107	108	108	107	109	108								
GLGR	GT02	109	109	0	0	0	0	0	0	0	0	0	0	0	0	0	110	109	109	109	108	107	107	107	106	106	106	106	106	106	105	105	105	106	106	106	107	106	107	106	107	106	107	108	108	108	107	109	108	108	107	109	108						
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	111	110	110	111	23	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	0	0	0	0	0	0	0	0	0	0	0	55	110	109	110	108	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	62	96	97	96	97	98	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	0	0	0	0	0	0	0	0	0	0	0	0	60	98	98	98	98	98	98	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	0	0	0	0	0	0	0	0	0	0	0	0	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	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	49	104	103	102	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	70	71	71	71	71	71	71	99	101	102	103	102	102	100	71	71	66	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	88	90	90	89	89	90	92	126	130	129	130	128	128	108	90	89	89	0	0	0	0	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	94	95	96	95	95	95	98	96	133	132	133	132	132	116	95	94	95	133	132	132	131	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	0	0	16	88	91	89	88	91	92	91	126	128	127	126	129	108	90	90	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total OCGT-Gas		216	217	0	0	0	0	0	0	0	0	0	0	0	0	0	220	217	217	216	215	213	371	482	556	559	554	553	557	609	866	1137	1163	1231	1326	1119	693	556	556	554	410	348	345	346	214	215	213	215	214	214	214	214	214						
BSIA	HY01	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22							
BSIA	HY02	22	22	22	22	21	22	22	22	22	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	21	21	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21						
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24						
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9					
CEND	HY04	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	7	7	7	7	7					
KNRG	HY01	26	24	26	24	24	20	20	17	22																																																	

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	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	0																												
TMGR	HY01	72	68	72	68	68	63	63	62	67	64	66	68	71	71	67	65	69	67	68	67	70	68	70	69	67	67	68	71	67	68	70	68	67	66	66	65	69	69	68	67	64	67	66	68	61	65							
TMGR	HY02	85	69	85	55	53	36	36	33	49	38	44	70	85	85	41	38	74	45	63	40	74	77	85	84	70	54	52	60	85	82	54	61	83	59	48	56	43	36	68	80	63	67	38	53	46	59	36	38					
TMGR	HY03	82	71	82	51	50	35	35	34	46	36	42	71	82	82	40	36	73	44	66	39	73	74	82	78	71	49	50	58	82	82	59	61	80	60	45	55	41	36	66	78	58	60	35	51	45	54	31	37					
TMGR	HY04	78	69	78	52	52	40	36	35	47	38	44	68	78	77	41	39	69	47	60	41	70	72	77	75	69	49	52	57	78	77	54	58	78	57	46	55	42	38	65	74	58	61	38	53	44	55	36	39					
Total Hydro		887	843	789	817	732	675	675	666	740	645	657	742	789	905	763	623	755	752	848	778	1003	1029	1210	1200	1131	889	898	922	1189	1251	1090	1097	1250	1108	983	788	685	656	773	1219	1197	1141	911	969	943	875	666	668					
PDP5	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	97	106	107	106	0	0	0	0		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	101	0	0	0	
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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 Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	445	454	452	454	217	0	0	0		
PCUF	CUFG	43	43	43	41	43	43	42	41	43	43	41	42	44	42	43	42	43	42	42	41	42	42	41	40	40	40	41	42	41	41	41	41	41	40	42	41	40	41	43	42	43	42	42	43	43	43	43	42					
PCUF	CUFK	39	39	39	39	41	40	40	39	41	41	37	40	40	39	40	40	40	40	39	39	40	40	39	40	39	32	14	15	14	16	16	17	15	14	17	21	20	21	21	20	21	21	21	21	21	20	21	22	21	21			
Total Co-Gen		82	82	82	80	84	83	82	80	84	84	78	82	84	81	83	82	83	82	81	80	82	82	80	80	79	72	55	55	55	57	57	58	55	56	58	61	61	64	63	63	63	63	64	63	64	68	64	63					
Total Gen		12647	12412	11842	11769	11690	11515	11301	11114	10956	10806	10874	10990	11114	11378	11160	11242	11558	12752	13582	13978	14462	14730	15037	15097	15031	14729	14735	14797	15190	15381	15313	15279	15380	15281	14938	14286	13790	13396	13500	14379	14617	14641	14403	14363	13928	13836	13401	13285					
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	73	76	76	76	75	75	74	76
TIE-HVDC		29	29	30	30	30	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	30	30	0	0	31	31	29	29	31	31	30	30	31	31	30	30					
TIE-PLTG		-42	29	-125	26	-32	53	131	107	17	-26	-54	-21	-152	-106	-3	90	-35	-16	10	11	22	-7	-48	-26	31	-10	6	23	-16	-8	-9	13	30	41	53	69	-5	-9	-11	-8	37	-8	-1	-16	-33	0	55	36					
Interconnection		-13	58	-95	56	-2	83	162	138	48	5	-24	9	-121	-75	27	120	-4	15	41	42	53	24	-17	5	61	20	36	53	15	23	22	44	60	71	53	69	26	22	18	21	141	99	105	90	73	106	159	142					
System Total		12660	12354	11937	11713	11692	11432	11139	10976	10908	10801	10898	10981	11235	11453	11133	11122	11562	12737	13541	13936	14409	14706	15054	15092	14970	14709	14699	14744	15175	15358	15291	15235	15320	15421	15096	14428	13975	13585	13693	14569	14687	14753	14510	14485	14067	13942	13448	13338					
SRev ST-Coal		66	63	54	62	58	52	64	59	203	198	200	194	183	119	125	123	68	72	67	59	104	55	59	58	59	60	47	56	56	113	125	127	156	129	127	127	124	71	102	103	114	63	53	61	62	57	42	61					
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				
SRev ST-Oil		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
SRev CCGT-Gas		1215	850	758	849	761	884	1085	1266	1358	1418	1444	1423	1359	1272	1344	1618	1494	1112	651	454	240	205	254	259	257	304	302	259	185	190	222	187	186	76	91	99	200	524	500	124	16	14	31	-10	163	-26	222	110					
SRev OCGT-Gas		4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		453	453	453	302	453	453	453	453	302	453	453	302	302	453	453	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302				
Hydro		105	149	93	255	189	261	261	270	196	388	225	140	93	128	270	259	127	331	285	355	230	354	175	183	252	494	485	461	194	132	293	286	143	280	254	349	202	231	114	193	215	271	350	292	318	161	235	334					
S.Reserve Total		1847	1522	1362	1472	1465	1654	1867	2052	2214	2310	2326	2214	2092	1825	2045	2457	2149	1824	1313	1179	887	1009	1030	970	1035	1330	1307	1245	952	1015	1059	993	918	823	1168	1169	1147	1447	1339	786	691	685	923	832	1158	656	961	867					