

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,045	MW
Hydro	1,853	MW
Distillate	790	MW
<b>Total TNB</b>	<b>7,898</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,739</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>61</b>	<b>MW</b>
<b>System Total</b>	<b>18,698</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00		
TNB Generation	6,347	MW
IPP Generation	9,316	MW
Total Set On Bus	16,723	MW
Maximum Demand	15,742	MW
Spinning Reserve	999	MW
Net Energy	329,040	MWH
Load Factor	87.1	%

**Maximum Demand Record**

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	13219	12563	12261	11821	11586	11389	11308	11639	12078	13746	14618	15078	15148	14937	15438	15644	15742	15373	14151	13735	14765	14633	14188	13869

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	56
PAKA	167
PGPS	5
TIGS	105
<b>TNB Total</b>	<b>380</b>
KLPP	71
MPSS	55
PGLA	56
PLPS	69
SGRI	83
SKSP	54
YPGS	34
YPKA	113
<b>IPP Total</b>	<b>536</b>
<b>Total Gas</b>	<b>916</b>

Total Gas Required : 1,286  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	27
PDPS	11
PGLA	35
PGPS	51
PKLG	101
PLPS	2
PTEK	4
SGRI	103
SRDG	36
<b>Total</b>	<b>370</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,620.00	15.08 %
ST-Gas	10.00	0.00 %
ST-Oil	1,440.00	0.44 %
Gas	48,275.00	14.67 %
Hydro	20,154.00	6.13 %
Distillate	7,396.00	2.25 %
<b>Total TNB</b>	<b>126,895.0</b>	<b>38.57 %</b>
ST-Coal	95,813.0	29.12 %
ST-Gas	1,144.0	0.35 %
ST-Oil	9,785.0	2.97 %
Gas	70,265.0	21.35 %
Distillate	22,638.0	6.88 %
<b>Total IPP</b>	<b>199,645.0</b>	<b>60.67 %</b>
Co-Gen	1,715.0	0.52 %
<b>Total Co-Gen</b>	<b>1,715.0</b>	<b>0.52 %</b>
<b>Total Generation</b>	<b>328,255.0</b>	<b>99.76 %</b>
PLTG	-111.0	-0.03 %
EGAT	23.0	0.01 %
HVDC	-697.0	-0.21 %
<b>Interconnection</b>	<b>-785.0</b>	<b>-0.24 %</b>
<b>Net Energy</b>	<b>329,040.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	419
Hydro	178
Syncon	330
Thermal	28
<b>Total</b>	<b>955</b>

	Weather	Temperature
Morning	Sunny	25
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
KLPP	GT15	33	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	108	108	106	106	106	105	105	105	105	105	71	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	104	103	103	103	104	52	0	0
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	91	94	89	91	0	0	0	0	0	75	84	90	92	94	90	92	89	90	90	90	90	91	93	89
PGPS	ST3C	42	44	42	42	0	0	0	0	0	0	0	0	0	0	37	37	37	37	42	87	89	91	88	90
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
SGRI	GT12	121	0	0	0	0	0	0	0	0	0	0	0	122	127	127	127	127	127	127	126	126	126	126	126
SGRI	GT13	122	122	121	121	123	123	31	0	0	0	0	0	56	56	123	123	122	122	121	121	120	120	119	119
SGRI	GT22	126	126	126	126	127	127	126	126	0	0	0	0	58	60	110	125	125	127	127	125	125	124	124	124
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	106	125	125	126	126	125	125	124	124	123	123	123
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
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	94	94	94	95	94	95	95	94	95	95	94	94
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	22	120	127	116	123	120	125	123	122	121	124	126
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	85	119	122	116	119	120	121	120	122	120	119	0
PLPS	GT11	142	143	143	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		803	654	647	550	277	250	249	157	0	0	0	121	236	363	591	1030	1106	1113	1230	1561	1691	1659	1673	1661
PCUF	CUFG	35	35	35	35	35	35	34	35	34	35	35	36	35	35	34	34	34	35	35	36	36	35	35	35
PCUF	CUFK	31	33	32	32	34	32	34	32	35	34	34	34	34	35	34	33	32	30	28	27	26	25	26	26
Total Co-Gen		66	68	67	67	69	67	69	66	70	68	70	69	69	69	70	68	67	64	63	61	62	60	61	61
Total Gen		13154	12777	12579	12329	12164	12000	11784	11548	11583	11342	11356	11340	11277	11279	11521	11510	11952	13136	13775	14291	14430	14903	15056	15395
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		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-28
TIE-PLTG		-37	-68	45	14	-68	-26	-8	46	-4	-53	-4	-65	-2	-77	-89	-35	-97	13	59	-10	-158	-126	7	
Interconnection		-65	-96	16	-15	-97	-55	-37	17	-33	-82	-33	-94	-31	-106	-118	-64	-126	-16	29	-40	-188	-156	-22	
System Total		13219	12873	12563	12344	12261	12055	11821	11531	11586	11424	11389	11434	11308	11385	11639	11574	12078	13152	13746	14331	14618	15059	15078	15502
SRev ST-Coal		34	25	33	39	40	73	34	36	36	33	36	27	28	37	13	29	24	26	20	38	25	37	38	27
SRev ST-Oil		16	1	1	2	2	1	4	2	-1	6	6	6	6	7	6	6	6	6	6	6	6	6	7	5
SRev CCGT-Gas		480	782	606	628	821	1061	1289	1462	1645	1857	1844	1870	1924	1938	1673	1750	1386	746	301	234	343	299	357	328
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	0
SRev Distillate		187	56	63	160	143	30	31	123	0	0	0	0	29	194	207	269	200	124	117	260	159	139	171	157
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
Syncon		625	474	474	625	625	625	625	625	625	625	625	474	625	474	625	625	625	388	474	323	323	323	323	323
Hydro		92	135	126	107	98	104	134	127	102	99	97	98	104	229	96	230	96	163	115	195	135	61	300	160
S.Reserve Total		1434	1473	1303	1561	1729	1894	2117	2375	2407	2620	2608	2626	2687	2684	2443	2683	2344	1835	1267	985	1100	986	1184	982