

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	2,926	MW
Hydro	1,837	MW
Distillate	580	MW
<b>Total TNB</b>	<b>7,413</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,620</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>74</b>	<b>MW</b>
<b>System Total</b>	<b>18,107</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30

TNB Generation	6,395	MW
IPP Generation	9,695	MW
Total Set On Bus	17,183	MW
Maximum Demand	16,214	MW
Spinning Reserve	1,019	MW
Net Energy	326,447	MWH
Load Factor	83.9	%

**Maximum Demand Record**

Date :	15/04/2013	16,214.0 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	12214	11484	11281	10917	10697	10545	10727	10963	11537	13509	14526	15306	15364	15060	15806	16041	16163	15680	14542	14188	15208	15008	14673	14062

**Gas Usage**

Station	(mmscfd)
CBPS	46
GLGR	55
PAKA	114
PGGS	0
PGPS	40
SRDG	59
TJGS	105
<b>TNB Total</b>	<b>420</b>
KLPP	110
MPSS	54
PDPS	36
PGLA	108
PKLG	16
PLPS	105
PTEK	28
SGRI	187
SKSP	55
YPGS	68
YPKA	69
<b>IPP Total</b>	<b>835</b>
<b>Total Gas</b>	<b>1,255</b>

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	39
PDPS	17
PGGS	8
PGPS	0
PKLG	131
SRDG	4
<b>Total</b>	<b>198</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,320.00	15.11 %
Gas	49,773.00	15.25 %
Hydro	16,121.00	4.94 %
Distillate	5,095.00	1.56 %
<b>Total TNB</b>	<b>120,309.0</b>	<b>36.85 %</b>
ST-Coal	84,394.0	25.85 %
ST-Oil	12,834.0	3.93 %
Gas	105,743.0	32.39 %
Distillate	1,565.0	0.48 %
<b>Total IPP</b>	<b>204,536.0</b>	<b>62.66 %</b>
Co-Gen	2,048.0	0.63 %
<b>Total Co-Gen</b>	<b>2,048.0</b>	<b>0.63 %</b>
<b>Total Generation</b>	<b>326,893.0</b>	<b>100.14 %</b>
PLTG	-274.0	-0.08 %
HVDC	720.0	0.22 %
<b>Interconnection</b>	<b>446.0</b>	<b>0.14 %</b>
<b>Net Energy</b>	<b>326,447.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	335
Hydro	136
Syncon	421
Thermal	21
<b>Total</b>	<b>912</b>

**Weather Temperature**

Time	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	32

Total Gas Required : 1,454  
Gas Calorific Value : 38.500

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			
PKLG	U003	280	282	278	277	279	281	280	277	279	277	280	279	279	278	278	281	281	282	282	280	281	281	281	281	281	283	
PKLG	U004	284	284	285	285	286	286	284	283	284	284	284	284	281	281	281	281	281	281	281	281	281	281	281	281	281	286	
PKLG	U005	466	466	459	462	464	463	465	465	464	464	464	465	466	466	464	462	462	462	462	462	462	462	462	462	468		
PKLG	U006	467	467	466	466	465	465	466	466	467	467	467	467	467	466	466	466	466	466	466	466	466	466	466	466	466	466	
JMIG	U001	688	689	687	691	690	692	692	691	690	692	690	692	689	688	690	692	689	691	692	691	686	688	690	690	690	690	
JMIG	U002	685	688	685	686	687	687	686	568	549	552	630	671	664	674	691	692	684	693	687	689	691	690	689	689	688	690	
JMIG	U003	691	692	690	687	689	692	692	692	688	692	690	689	691	695	689	690	692	689	692	690	690	689	691	690	690	683	
TBIN	U002	648	652	651	648	653	655	652	648	649	644	652	653	646	654	654	652	652	652	654	649	650	649	653	650	649	650	
TBIN	U003	695	696	695	697	699	697	695	695	697	690	671	672	667	673	698	695	694	696	698	697	696	693	697	696	693	696	
JMAH	U001	699	700	700	704	702	701	701	703	700	692	669	674	665	677	709	703	705	704	711	700	701	701	704	704	699	702	
Total ST-Coal		5603	5616	5596	5603	5614	5619	5613	5488	5467	5458	5494	5546	5517	5556	5621	5618	5607	5615	5624	5603	5600	5594	5579	5604	5553	5600	
PKLG	U001	275	275	275	275	276	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	
PKLG	U002	271	271	270	268	269	269	270	270	270	249	243	248	271	270	270	272	272	270	270	271	271	271	271	271	267	270	
Total ST-Oil		546	546	545	543	545	545	545	545	545	508	499	509	547	545	545	547	547	545	545	546	546	546	545	545	546	546	
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	29	72	98	98	99	98	98	97	97	97	94	93	92	
CBPS	GT1B	91	91	90	89	91	90	91	90	90	91	91	90	90	91	90	84	99	96	97	95	96	95	94	95	92	92	
CBPS	ST1C	48	48	48	48	48	48	48	48	48	48	48	48	48	48	100	100	100	100	100	100	100	100	100	100	100	100	
GLGR	GT01	60	61	58	60	62	60	62	60	62	63	61	62	64	61	62	95	98	96	96	96	96	94	95	95	93	95	
GLGR	GT02	71	70	69	71	71	71	72	71	73	71	72	71	72	71	71	105	109	109	109	107	108	107	108	106	106	106	
GLGR	ST1C	71	70	70	70	70	69	69	70	70	69	70	69	69	69	69	87	98	98	98	97	96	96	95	96	95	95	
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	12	13	17	18	18	18	18	18	18	
KLPP	GT13	146	111	69	67	68	69	69	69	69	67	68	68	68	68	69	68	68	69	68	107	144	143	144	144	149	149	
KLPP	GT14	138	111	64	63	64	64	64	63	64	63	64	63	63	63	101	134	134	134	139	140	140	139	139	140	139	140	
KLPP	GT15	150	113	69	70	69	69	70	70	70	69	68	69	70	69	112	141	142	147	147	147	147	148	148	147	147	146	
KLPP	ST17	201	181	137	128	127	127	128	127	128	128	128	128	129	129	129	129	129	129	129	129	129	129	129	129	129	129	
MPSS	GT01	65	63	62	64	65	66	65	66	65	66	65	65	68	89	106	105	104	104	103	104	102	102	101	100	101	102	
MPSS	GT02	64	64	62	63	66	65	65	64	63	66	66	66	65	66	64	66	68	88	107	109	108	108	108	108	107	107	
MPSS	ST01	63	55	55	54	52	52	52	52	52	52	52	52	52	53	52	53	73	99	105	105	104	104	106	105	105	105	
PAKA	GT1A	67	67	65	65	65	65	66	66	66	65	65	65	65	65	66	66	81	81	80	80	80	82	82	81	81	81	
PAKA	GT1B	64	64	63	64	66	65	64	64	63	64	64	66	64	64	64	88	87	88	87	86	87	86	86	85	85	85	
PAKA	ST1C	69	69	69	69	68	68	69	69	68	68	69	68	69	69	69	79	79	79	79	79	79	79	79	79	79	79	
PAKA	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	62	62	61	65	63	63	62	62	62	62	
PAKA	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	GT3B	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	
PAKA	ST3C	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
PAKA	GT4A	0	0	0	0	0	0	0	0	0	60	58	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
PAKA	GT4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PAKA	ST4C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	GT11	193	162	187	181	180	162	171	178	168	161	186	174	192	199	163	186	232	227	239	237	218	234	196	228	211	234	
PGLA	GT12	194	162	188	182	182	164	171	178	169	159	184	175	193	201	162	187	232	228	237	236	218	231	197	228	210	232	230
PGLA	ST10	214	199	213	216	217	199	199	208	196	198	202	205	221	213	195	201	240	244	247	241	238	245	221	243	232	250	
PGPS	GT3A	83	83	84	83	83	83	83	83	84	80	82	85	84	84	83	84	83	83	85	99	98	98	80	77	96	96	
PGPS	GT3B	0	0	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	ST3C	31	31	31	32	32	31	31	31	31	31	32	33	31	30	31	32	32	32	32	32	32	32	32	32	32	32	
SGRI	GT11	114	107	107	59	57	57	57	56	56	58	58	57	57	58	58	83	142	140	142	143	143	142	142	142	142	142	
SGRI	GT12	135	142	141	61	61	61	61	61	61	61	61	60	60	61	61	83	140	141	141	140	140	140	140	139	139	136	
SGRI	GT13	116	109	108	58	59	59	59	59	58	59	59	58	58	59	80	132	133	133	132	132	132	132	131	131	131	130	
SGRI	ST14	213	201	204	147	143	141	138	140	141	143	141	138	139	141	138	139	150	221	218	218	220	216	216	217	222	217	



