

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,190 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,933 MW
Hydro	1,805 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,998 MW</b>
<b>Total IPP</b>	<b>10,395 MW</b>
<b>Total Co-Gen</b>	<b>38 MW</b>
<b>System Total</b>	<b>18,431 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,509 MW
IPP Generation	9,508 MW
Total Set On Bus	16,957 MW
Maximum Demand	16,235 MW
Spinning Reserve	902 MW
Net Energy	327,281 MWH
Load Factor	84.0 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	12259	11808	11410	11019	10821	10583	10697	10882	11739	13679	14734	15361	15415	15216	15789	16064	16235	15703	14412	14128	15006	14784	14389	14104

**Gas Usage**

Station	(mmscfd)
CBPS	50
GLGR	32
PAKA	166
PGPS	50
SRDG	56
TJGS	106
<b>TNB Total</b>	<b>459</b>
KLPP	108
MPSS	27
PDPS	15
PGLA	90
PKLG	62
PLPS	95
PTEK	11
SGB3	59
SGRI	136
SKSP	53
YPGS	59
YPKA	108
<b>IPP Total</b>	<b>821</b>
<b>Total Gas</b>	<b>1,281</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	14
PKLG	61
<b>Total</b>	<b>75</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,656.00	15.17 %
ST-Oil	1,315.00	0.40 %
Gas	55,437.00	16.94 %
Hydro	18,917.00	5.78 %
<b>Total TNB</b>	<b>125,325.0</b>	<b>38.29 %</b>
ST-Coal	86,974.0	26.57 %
ST-Gas	4,747.0	1.45 %
ST-Oil	5,958.0	1.82 %
Gas	98,836.0	30.20 %
<b>Total IPP</b>	<b>196,515.0</b>	<b>60.04 %</b>
Co-Gen	1,262.0	0.39 %
<b>Total Co-Gen</b>	<b>1,262.0</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>323,102.0</b>	<b>98.72 %</b>
PLTG	-4,814.0	-1.47 %
HVDC	635.0	0.19 %
<b>Interconnection</b>	<b>-4,179.0</b>	<b>-1.28 %</b>
<b>Net Energy</b>	<b>327,281.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	381
Hydro	221
Syncon	210
Thermal	208
<b>Total</b>	<b>1019</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	36

Total Gas Required : 1,356  
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	283	284	284	285	285	284	283	287	282	284	284	284	286	285	286	289	285	290	284	284	284	284	284	284	285
PKLG	U004	287	285	285	285	287	286	284	279	281	288	284	283	285	285	284	284	284	284	284	282	284	284	282	278	274
PKLG	U005	464	464	464	464	464	466	463	462	466	463	463	462	462	468	465	463	465	465	465	465	465	466	466	462	462
JMIG	U001	688	689	690	690	692	689	688	694	687	691	695	687	690	690	687	690	690	692	687	692	688	694	690	689	685
JMIG	U002	691	693	689	688	683	691	692	690	693	691	689	692	688	691	693	689	692	686	687	690	692	691	688	688	685
JMIG	U003	690	689	688	687	686	688	689	690	687	691	688	690	689	690	692	690	688	693	689	694	689	692	693	689	688
TBIN	U001	627	629	627	628	629	627	632	629	633	628	634	626	628	629	627	628	628	628	627	628	627	622	626	627	629
TBIN	U002	631	630	630	632	633	628	633	631	632	630	633	629	632	631	631	631	633	630	631	631	597	628	630	636	633
TBIN	U003	631	629	630	630	631	630	630	634	631	632	628	633	629	628	631	631	633	630	634	629	629	628	630	628	631
JMAH	U002	703	703	704	705	705	700	701	703	703	703	703	700	706	707	702	702	702	702	707	701	701	705	705	703	705
Total ST-Coal		5695	5695	5691	5694	5695	5689	5695	5695	5698	5700	5702	5687	5700	5696	5694	5696	5693	5687	5698	5694	5696	5690	5665	5691	5683
PKLG	U006	232	231	231	230	230	231	231	232	232	232	232	230	231	231	231	231	231	231	231	231	231	230	230	232	232
Total ST-Gas		232	231	231	230	230	231	231	232	232	232	230	231	231	231	231	231	231	231	231	231	231	230	230	232	232
PGUS	U002	69	68	68	67	68	69	69	69	69	68	69	69	68	69	68	68	68	68	68	68	69	69	68	68	69
PKLG	U002	266	264	267	261	266	271	271	242	159	139	139	139	166	247	269	269	271	271	271	271	271	271	269	269	270
Total ST-Oil		335	332	335	328	334	339	340	311	228	208	207	208	207	235	316	338	337	340	339	339	338	338	339	339	320
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	71	98	98	98	96	96	97	96	96	96
CBPS	GT1B	100	90	91	90	91	91	91	91	91	91	91	91	91	91	84	101	101	98	98	98	98	97	96	97	97
CBPS	ST1C	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	99	99	99	99	99	99	99	99	99
GLGR	GT01	97	97	95	95	95	95	98	97	97	96	95	95	96	96	96	96	96	97	103	103	103	101	101	101	101
GLGR	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
GLGR	ST1C	41	41	41	41	41	41	41	41	41	41	41	40	40	40	40	45	45	45	44	45	45	44	45	44	44
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	11	17	17	32	32	32	32	32	32
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	11	11	11	18	18	18	18	18	18
KLPP	GT13	111	86	67	68	68	68	68	68	68	68	67	68	68	79	144	143	144	142	143	147	145	146	147	146	146
KLPP	GT14	101	66	66	66	66	66	66	66	67	65	67	67	66	65	65	66	136	135	135	135	135	135	134	135	135
KLPP	GT15	112	69	70	70	69	69	69	70	69	69	70	71	69	70	69	69	70	149	149	149	148	153	151	152	152
KLPP	ST17	178	158	138	134	134	134	133	133	133	133	133	132	132	130	202	202	199	226	230	234	234	234	234	234	234
MPSS	GT01	65	58	58	58	58	57	59	59	59	58	60	58	60	58	60	57	59	58	60	57	59	57	97	97	97
MPSS	GT02	80	73	74	73	76	76	75	75	76	76	74	73	76	73	75	74	104	119	119	119	119	119	119	119	119
MPSS	ST01	72	55	52	52	52	51	51	51	51	52	52	52	52	53	53	53	53	79	107	107	109	109	109	109	110
PAKA	GT1A	65	65	66	65	65	65	66	65	65	65	65	65	65	65	65	65	66	83	83	82	82	81	81	81	80
PAKA	GT1B	64	66	64	64	64	63	66	66	64	65	64	64	64	64	64	64	64	86	85	85	84	86	84	85	84
PAKA	ST1C	67	67	67	66	66	66	66	66	66	66	65	66	66	66	67	66	67	68	68	68	78	78	78	79	79
PAKA	GT2A	83	85	65	65	64	64	65	65	66	64	65	64	64	66	65	65	66	64	86	84	86	84	85	85	86
PAKA	GT2B	83	84	64	64	63	64	65	65	64	64	63	64	63	64	65	63	63	88	86	87	87	86	86	87	86
PAKA	ST2C	85	85	76	71	71	71	71	71	71	71	71	72	72	72	72	72	72	73	86	88	88	88	88	88	88
PAKA	GT3A	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91	90	89	89	88	88	87	87	86	86	86
PAKA	GT3B	89	89	90	90	90	90	89	89	90	90	90	90	90	90	89	88	88	87	86	86	86	84	84	84	84
PAKA	ST3C	89	89	89	88	88	88	88	88	88	88	88	88	88	89	89	89	89	89	89	89	89	89	89	89	89
PAKA	GT4A	0	0	0	0	0	0	0	0	0	0	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
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
PGLA	GT11	163	180	175	212	161	158	162	172	162	178	159	158	160	171	168	167	180	178	196	226	223	220	229	229	
PGLA	GT12	164	179	89	0	0	0	0	0	0	0	0	0	0	0	0	116	149	197	232	223	218	228	231	220	
PGLA	ST10	195	205	95	98	92	92	91	98	93	97	90	91	91	94	91	93	93	181	209	243	237	241	243	241	
PGPS	GT3A	95	83	82	83	83	82	83	83	83	82	83	81	83	83	82	83	84	83	83	83	97	95	95	95	
PGPS	GT3B	94	83	83	82	82	82	83	83	83	81	83	81	82	83	82	83	82	83	83	83	83	83	83	83	83
PQPS	ST3C	88	77	75	74	75	74	75	75	74	74	75	75	74	74	75	75	75	75	75	75	75	75	75	75	75



