

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	85	MW
Gas	3,597	MW
Hydro	1,558	MW
Distillate	60	MW
<b>Total TNB</b>	<b>6,500</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,886</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>70</b>	<b>MW</b>
<b>System Total</b>	<b>18,456</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:00		
TNB Generation	4,723	MW
IPP Generation	10,205	MW
Total Set On Bus	15,946	MW
Maximum Demand	15,038	MW
Spinning Reserve	948	MW
Net Energy	310,669	MWH
Load Factor	86.1	%

**Maximum Demand Record**

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	12787	12079	11522	11048	10804	10936	10893	10860	11387	12968	13511	14413	14388	14147	14789	15038	15006	14566	13530	13228	13668	13851	13645	13088

**Gas Usage**

Station	(mmscfd)
CBPS	53
GLGR	55
PAKA	181
PGPS	48
SRDG	11
TJGS	44
<b>TNB Total</b>	<b>392</b>
KLPP	38
MPSS	43
PGLA	21
PLPS	74
SGB3	42
SGRI	67
SKSP	49
YPGS	33
YPKA	105
<b>IPP Total</b>	<b>472</b>
<b>Total Gas</b>	<b>864</b>

**Total Gas Required :** 1,178

**Gas Calorific Value :** 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	43
PGLA	33
PGPS	19
PKLG	131
PLPS	16
SGB3	38
SGRI	34
<b>Total</b>	<b>314</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,360.00	8.81 %
ST-Oil	1,783.00	0.57 %
Gas	48,905.00	15.74 %
Hydro	11,734.00	3.78 %
<b>Total TNB</b>	<b>89,782.0</b>	<b>28.90 %</b>
ST-Coal	116,413.0	37.47 %
ST-Oil	12,930.0	4.16 %
Gas	67,493.0	21.73 %
Distillate	21,473.0	6.91 %
<b>Total IPP</b>	<b>218,309.0</b>	<b>70.27 %</b>
Co-Gen	1,881.0	0.61 %
<b>Total Co-Gen</b>	<b>1,881.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>309,972.0</b>	<b>99.78 %</b>
PLTG	4.0	0.00 %
HVDC	-701.0	-0.23 %
<b>Interconnection</b>	<b>-697.0</b>	<b>-0.22 %</b>
<b>Net Energy</b>	<b>310,669.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	401
Hydro	144
Syncon	382
Thermal	41
<b>Total</b>	<b>968</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 31

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	250	247	249	250	247	248	250	249	248	251	249	249	247	248	250	250	251	246	248	248	250	249	249	249	248
PKLG	U004	279	278	278	279	277	278	278	277	278	272	277	280	279	279	278	276	274	277	277	279	279	278	274	275	282
PKLG	U005	469	462	463	461	461	464	464	464	461	461	462	462	463	460	460	463	463	463	462	462	463	463	461	467	
PKLG	U006	462	462	462	463	460	461	461	462	462	463	463	463	463	463	463	460	461	454	373	322	331	331	331	348	
JMIG	U001	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	593	
JMIG	U003	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	596	
TBIN	U001	692	693	693	701	693	693	680	644	646	646	645	651	646	646	646	635	696	693	693	693	693	694	693	693	
TBIN	U002	697	697	697	697	697	697	683	653	654	647	652	652	652	652	645	690	693	698	698	645	696	696	696	696	
TBIN	U003	692	687	701	699	695	695	684	645	650	651	653	650	649	652	651	641	695	694	695	695	639	695	695	695	
JMAH	U001	701	701	701	709	699	702	683	651	651	649	653	653	653	654	644	701	701	701	700	706	705	704	704	702	
JMAH	U002	705	704	704	710	701	708	685	651	653	655	657	652	652	651	641	689	699	701	701	701	701	701	701	706	
<b>Total ST-Coal</b>		<b>6136</b>	<b>6120</b>	<b>6137</b>	<b>6158</b>	<b>6119</b>	<b>6135</b>	<b>6057</b>	<b>5885</b>	<b>5891</b>	<b>5890</b>	<b>5895</b>	<b>5898</b>	<b>5895</b>	<b>5895</b>	<b>5895</b>	<b>5843</b>	<b>6110</b>	<b>6118</b>	<b>6126</b>	<b>6132</b>	<b>5986</b>	<b>6136</b>	<b>6135</b>		
PGPS	U002	80	80	80	78	78	78	78	80	80	79	79	80	80	80	80	80	80	80	80	80	80	80	79	80	
PKLG	U001	272	263	261	272	272	272	272	272	272	272	272	272	272	272	272	272	273	273	272	272	272	272	272	266	
PKLG	U002	276	275	275	276	276	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	
<b>Total ST-Oil</b>		<b>628</b>	<b>618</b>	<b>616</b>	<b>626</b>	<b>626</b>	<b>625</b>	<b>627</b>	<b>627</b>	<b>491</b>	<b>625</b>	<b>627</b>	<b>627</b>	<b>626</b>	<b>627</b>	<b>628</b>	<b>628</b>	<b>627</b>	<b>627</b>	<b>628</b>	<b>628</b>	<b>625</b>	<b>627</b>	<b>627</b>		
CBPS	GT1A	97	93	87	88	88	87	87	87	87	87	87	87	87	87	91	98	98	97	96	96	95	95	95	94	
CBPS	GT1B	101	95	89	90	90	89	89	89	89	89	89	89	89	89	90	100	100	101	100	100	99	99	98	98	
CBPS	ST1C	106	100	92	90	91	91	90	90	90	90	89	89	90	90	89	91	103	106	104	104	103	104	103	103	
GLGR	GT01	101	101	101	68	70	70	71	69	70	71	71	70	71	78	102	101	100	100	100	99	99	98	98	98	
GLGR	GT02	104	105	105	68	68	69	71	71	70	71	70	69	70	72	71	70	68	79	106	104	103	103	102	102	
GLGR	ST1C	99	100	99	71	62	62	62	61	61	61	62	62	62	62	63	96	98	99	99	98	98	98	98	98	
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	61	61	145	145	146	146	146		
KLPP	GT14	0	0	0	0	0	0	123	123	125	125	126	126	126	128	128	0	0	0	0	0	0	0	0	0	
KLPP	GT15	135	98	83	0	0	0	0	0	0	0	0	0	0	9	9	97	97	142	142	144	144	145	145		
KLPP	ST17	160	152	116	116	59	59	59	59	58	61	61	62	62	62	57	57	120	120	162	162	204	204	204		
MPSS	GT01	106	102	107	87	85	84	84	84	84	85	85	83	85	87	83	88	86	85	84	86	101	107	106		
MPSS	GT02	106	73	0	0	0	0	0	0	0	0	0	0	0	41	57	68	84	100	108	107	108	104	101		
MPSS	ST01	104	95	47	33	32	32	32	35	31	33	33	31	31	34	30	33	36	37	34	72	92	103	104		
PAKA	GT1A	88	62	62	61	61	61	62	62	61	61	62	62	61	60	60	64	88	85	85	85	84	85	84	84	
PAKA	GT1B	80	61	60	61	61	61	61	60	59	60	62	61	61	61	61	64	79	80	80	79	79	81	81	81	
PAKA	ST1C	82	72	68	69	69	69	69	69	69	69	69	69	70	70	71	83	83	83	83	83	83	83	83	83	
PAKA	GT2A	80	62	63	62	62	62	61	61	61	63	62	63	61	61	63	63	66	80	80	81	80	81	81	81	
PAKA	GT2B	91	61	61	61	61	61	61	60	60	62	61	61	61	60	61	62	64	89	88	88	87	86	87	86	
PAKA	ST2C	89	77	75	75	75	75	75	75	75	75	75	75	75	75	88	88	88	89	89	89	89	89	89	89	
PAKA	GT3A	90	61	61	62	61	61	60	60	60	62	61	61	61	61	60	60	60	87	87	85	86	86	86	85	
PAKA	GT3B	90	60	61	62	61	62	61	61	60	62	62	61	60	60	59	87	86	86	87	86	86	86	86	85	
PAKA	GT3C	90	74	73	73	73	73	73	73	73	73	73	73	73	74	74	75	90	90	90	90	90	90	90	90	
PAKA	GT4A	84	80	70	70	70	70	70	70	70	70	70	70	70	70	70	81	82	82	82	82	82	82	81	82	
PAKA	GT4B	84	80	69	70	70	70	70	70	70	70	70	70	70	70	70	82	82	82	82	82	82	82	82	82	
PAKA	ST4C	92	82	75	74	74	74	74	74	74	74	74	74	74	74	75	76	76	77	91	93	93	93	93	93	
PGLA	GT11	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	155	0	0	0	0	0	0	0	
PGLA	GT12	194	195	194	195	194	145	153	159	153	157	149	153	152	158	154	149	154	160	156	226	226	225	223	226	
PGLA	ST10	97	100	100	100	100	90	88	88	88	88	86	87	88	88	85	88	86	182	223	223	225	225	225	225	
PGPS	GT3A	86	75	75	75	75	74	75	77	75	76	74	75	75	75	75	85	84	85	84	84	84	84	84	84	
PGPS	GT3B	81	74	74	74	74	73	74	76	75	74	75	74	75	75	81	81	80	80	80	80	79	79	79	79	
PGPS	ST3C	86	79	77	75	76	75	76	78	76	77	76	77	76	77	83	86	86	86	86	86	86	86	86	86	
SGB3	GT31	46	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	93	146	146	146	145	145	146	108	104	



