

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	145	MW
Gas	3,326	MW
Hydro	1,780	MW
Distillate	920	MW
<b>Total TNB</b>	<b>8,241</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,870</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>82</b>	<b>MW</b>
<b>System Total</b>	<b>19,193</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 11:30

TNB Generation	6,156	MW
IPP Generation	8,765	MW
Total Set On Bus	15,946	MW
Maximum Demand	15,104	MW
Spinning Reserve	943	MW
Net Energy	316,301	MWH
Load Factor	87.3	%

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12666	12011	11416	11265	11171	10951	11340	11408	11756	13331	14263	14876	14791	14461	14838	15056	14667	14420	13370	13359	13929	13807	13419	13116

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	58
PAKA	119
PGPS	24
TJGS	130
<b>TNB Total</b>	<b>379</b>
KLPP	76
MPSS	55
PGLA	43
PLPS	106
SGB3	64
SGRI	61
SKSP	39
YPGS	36
YPKA	130
<b>IPP Total</b>	<b>610</b>
<b>Total Gas</b>	<b>988</b>
<b>Total Gas Required :</b>	<b>1,225</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	20
PGPS	11
PKLG	118
SRDG	2
TJGS	86
<b>Total</b>	<b>237</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,458.00	15.64 %
Gas	48,318.00	15.28 %
Hydro	13,147.00	4.16 %
Distillate	14,378.00	4.55 %
<b>Total TNB</b>	<b>125,301.0</b>	<b>39.61 %</b>
ST-Coal	95,124.0	30.07 %
ST-Oil	11,606.0	3.67 %
Gas	78,921.0	24.95 %
Distillate	2,529.0	0.80 %
<b>Total IPP</b>	<b>188,180.0</b>	<b>59.49 %</b>
Co-Gen	2,201.0	0.70 %
<b>Total Co-Gen</b>	<b>2,201.0</b>	<b>0.70 %</b>
<b>Total Generation</b>	<b>315,682.0</b>	<b>99.80 %</b>
PLTG	81.0	0.03 %
HVDC	-700.0	-0.22 %
<b>Interconnection</b>	<b>-619.0</b>	<b>-0.20 %</b>
<b>Net Energy</b>	<b>316,301.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	292
Hydro	133
Syncon	495
Thermal	16
<b>Total</b>	<b>935</b>

	Weather	Temperature
Morning	Sunny	27
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	287	286	289	288	286	287	285	285	286	286	287	286	288	288	288	288	285	285	285	285	286	284	281	283	286	288	285	285	284	283	283	282	281	283	282	284	
PKLG	U005	462	463	461	463	464	463	463	461	462	463	463	462	464	464	464	464	463	463	462	462	460	460	463	462	462	460	464	463	463	463	460	461	461	463	463		
PKLG	U006	452	452	452	452	452	451	453	453	452	453	452	453	453	453	453	451	451	479	452	452	452	452	452	452	452	454	454	453	454	454	452	452	453	453	453	453	
JMIG	U001	650	647	649	652	649	651	645	674	690	679	679	678	681	690	687	693	690	693	687	688	688	687	690	692	689	692	687	689	691	689	683	683	689	688	689	689	
JMIG	U002	692	685	690	690	690	692	691	688	690	682	682	680	680	688	686	688	688	689	689	691	691	692	691	691	689	689	695	693	686	689	690	690	692	689	692	692	
JMIG	U003	693	688	689	691	690	690	689	690	691	678	679	680	682	692	687	652	688	691	688	688	691	690	692	685	687	692	688	689	691	691	687	687	688	692	690	692	689
TBIN	U001	695	694	693	694	692	692	694	693	680	680	678	684	689	694	689	695	692	692	691	694	693	692	692	694	693	692	693	694	693	693	693	692	695	692	692	690	693
TBIN	U002	695	697	697	698	685	700	693	695	696	680	680	682	683	694	703	694	700	696	695	698	694	695	696	694	696	697	696	696	696	697	696	699	695	699	700	696	695
TBIN	U003	693	697	697	699	691	687	694	696	698	680	683	682	684	697	693	699	661	699	693	694	696	694	695	696	692	694	698	694	696	698	693	697	692	695	698	694	
JMAH	U002	703	700	706	698	700	699	703	703	703	687	680	678	683	701	704	700	707	697	702	705	705	706	701	706	705	692	699	702	702	701	706	706	698	701	703	705	696
Total ST-Coal		6022	6009	6023	6025	5999	6012	6008	6039	6061	5968	5965	5960	5982	6053	6059	6020	6034	6062	6045	6054	6135	6062	6062	6065	6059	6051	6057	6062	6062	6059	6050	6050	6049	6053	6055	6063	
PKLG	U001	285	285	285	285	285	285	273	181	151	151	147	185	268	285	285	285	285	284	284	284	284	284	284	284	284	284	276	255	255	255	255	255	255	255	280	280	
PKLG	U002	0	0	0	0	19	39	51	71	89	100	100	160	200	261	277	277	277	277	284	284	280	278	278	278	278	278	278	275	275	275	274	274	275	269	277	278	280
Total ST-Oil		285	285	285	285	304	324	336	344	270	251	307	385	529	562	562	562	562	561	561	565	562	562	562	562	562	562	549	530	530	530	529	529	530	530	524	532	
CBPS	GT1A	30	0	0	0	0	0	0	0	0	0	0	0	0	33	72	99	100	99	98	99	98	98	98	98	98	98	97	98	97	97	97	98	99	99	98	98	
CBPS	GT1B	100	90	91	91	90	91	91	91	91	91	90	90	91	90	91	87	101	101	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
CBPS	ST1C	99	99	45	45	45	45	45	45	45	45	45	45	45	45	45	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
GLGR	GT01	103	104	104	81	65	66	64	65	64	65	65	66	63	65	65	66	66	103	102	102	105	101	102	102	105	106	104	103	103	102	104	103	102	103	103	103	104
GLGR	GT02	107	106	107	84	69	70	69	70	68	68	69	68	68	69	69	69	69	107	107	106	105	105	105	105	108	109	108	108	107	107	106	107	106	107	106	107	107
GLGR	ST1C	98	98	98	88	69	69	69	69	69	69	69	69	69	69	69	94	98	97	97	98	97	97	100	99	99	98	98	98	98	98	98	98	98	98	98	98	98
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT13	143	72	66	65	66	65	65	64	65	65	66	66	67	66	66	65	66	126	136	136	137	137	138	141	141	140	142	141	140	140	140	142	140	115	136	136	
KLPP	GT14	142	102	65	65	64	65	65	64	65	64	65	64	77	65	64	64	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	145	108	68	68	67	66	68	66	67	67	68	68	68	68	67	67	67	129	139	141	140	141	141	141	146	147	153	153	154	152	152	153	153	153	146	120	
KLPP	ST17	207	179	139	135	135	135	135	136	136	136	136	136	137	134	136	130	121	182	191	191	191	188	206	214	222	226	226	226	226	226	226	225	190	190	191	191	
MPSS	GT01	104	105	104	83	60	60	60	60	60	60	62	61	62	60	62	61	62	106	106	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
MPSS	GT02	103	104	104	83	59	61	62	61	59	61	60	61	60	61	61	68	108	106	104	103	103	105	105	106	104	104	105	105	103	103	104	105	104	103	102	104	
MPSS	ST01	110	108	108	90	55	55	54	54	54	54	54	55	55	54	53	54	63	98	107	108	109	110	110	110	109	110	110	110	110	110	110	110	110	110	110	110	110
PAKA	GT1A	64	64	64	63	63	68	68	65	61	64	64	64	62	62	62	62	63	63	83	83	82	82	82	82	82	64	61	83	83	81	81	81	84	84	83	83	
PAKA	GT1B	61	61	61	62	62	64	63	62	63	63	63	63	62	62	62	63	63	63	62	86	84	83	85	86	83	62	85	85	85	85	85	85	85	85	85	85	85
PAKA	ST1C	69	64	64	64	64	66	66	66	64	65	64	65	65	64	64	65	65	65	66	77	77	77	77	78	65	65	76	78	78	77	77	77	77	77	77	77	
PAKA	GT2A	61	60	60	61	61	62	60	60	60	62	61	61	62	60	60	60	62	61	77	75	76	77	76	73	76	62	75	76	74	74	74	74	74	74	61	61	
PAKA	GT2B	60	59	59	60	59	60	59	59	59	60	60	60	61	59	59	60	61	59	59	87	87	85	86	86	85	80	84	84	84	84	86	87	87	87	87	87	87
PAKA	ST2C	80	74	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	76	88	88	89	88	88	88	88	88	88	88	88	87	87	87	87	87	87	87
PAKA	GT4A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	60	60	60	60	60	83	83	83	82	82	82	85	85	85	85	
PAKA	GT4B	0	0	0	0	0	0	0	0	60	60	60	60	60	61	60	59	58	70	73	75	75	80	80	80	80	80	84	84	84	84	84	83	86	86	68	75	
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	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT12	236	239	240	193	193	192	192	187	187	186	187	186	189	188	199	199	193	237	239	237	233	234	232	233	239	236	226	226	227	227	234	234	234	232	232	156	0
PGLA	ST10	118	118	113	100	100	101	101	98	98	99	99	99	96	98	101	102	99	110	115	117	117	117	117	116	116	117	115	113	113	113	116	116	117	116	116	93	0
PGPS	GT3A	75	74	75	76	75	77	75	7																													



### Daily MW Generation On Thursday

20-Sep-2012

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	
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	
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	
TJGS	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	
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	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	
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
PCUF	CUFG	49	50	51	50	51	49	50	48	49	49	48	50	49	49	49	48	48	49	49	50	48	49	48	49	
PCUF	CUFK	36	35	35	34	35	36	32	33	34	35	37	37	37	33	35	37	36	36	36	35	34	34	34	33	33
<b>Total Co-Gen</b>		<b>85</b>	<b>85</b>	<b>86</b>	<b>84</b>	<b>86</b>	<b>85</b>	<b>82</b>	<b>81</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>87</b>	<b>86</b>	<b>82</b>	<b>84</b>	<b>87</b>	<b>86</b>	<b>85</b>	<b>86</b>	<b>84</b>	<b>83</b>	<b>83</b>	<b>82</b>	<b>82</b>	
<b>Total Gen</b>		<b>12658</b>	<b>12273</b>	<b>11998</b>	<b>11635</b>	<b>11391</b>	<b>11234</b>	<b>11249</b>	<b>11133</b>	<b>11141</b>	<b>10922</b>	<b>10920</b>	<b>10996</b>	<b>11146</b>	<b>11459</b>	<b>11423</b>	<b>11392</b>	<b>11710</b>	<b>12603</b>	<b>13336</b>	<b>13840</b>	<b>14259</b>	<b>14557</b>	<b>14813</b>	<b>15003</b>	
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		-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	
TIE-PLTG		21	5	17	-30	4	-133	13	-6	-1	-32	-1	-43	-165	83	44	165	-17	-19	35	-2	25	22	-34	-72	
<b>Interconnection</b>		<b>-8</b>	<b>-25</b>	<b>-13</b>	<b>-59</b>	<b>-25</b>	<b>-162</b>	<b>-16</b>	<b>-35</b>	<b>-30</b>	<b>-62</b>	<b>-31</b>	<b>-72</b>	<b>-194</b>	<b>54</b>	<b>15</b>	<b>136</b>	<b>-46</b>	<b>-49</b>	<b>5</b>	<b>-31</b>	<b>-4</b>	<b>-7</b>	<b>-63</b>		
<b>System Total</b>		<b>12666</b>	<b>12298</b>	<b>12011</b>	<b>11694</b>	<b>11416</b>	<b>11396</b>	<b>11265</b>	<b>11168</b>	<b>11171</b>	<b>10984</b>	<b>10951</b>	<b>11068</b>	<b>11340</b>	<b>11405</b>	<b>11408</b>	<b>11256</b>	<b>11756</b>	<b>12652</b>	<b>13331</b>	<b>13871</b>	<b>14263</b>	<b>14564</b>	<b>14876</b>	<b>15104</b>	
SRev ST-Coal		51	64	50	48	74	61	65	34	12	105	108	113	91	20	14	53	-1	11	28	19	-62	11	11	8	
SRev ST-Oil		0	0	0	0	4	10	10	22	39	29	28	49	28	36	3	3	3	3	4	4	0	3	3	3	3
SRev CCGT-Gas		409	579	705	1037	1274	1345	1280	1469	1508	1529	1522	1527	1417	1392	1430	1834	1702	954	866	676	413	254	339	400	
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		0	0	0	0	0	0	0	0	0	0	0	112	6	3	5	20	109	25	8	9	10	10	20	22	
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	625	575	726	726	726	726	575	726	726	726	575	726	726	726	625	625	625	625	474	625	474	625	474	
Hydro		153	185	259	149	151	69	124	89	233	119	126	98	196	74	116	155	152	246	108	98	85	220	85	38	
<b>S.Reserve Total</b>		<b>1238</b>	<b>1453</b>	<b>1589</b>	<b>1960</b>	<b>2229</b>	<b>2211</b>	<b>2205</b>	<b>2340</b>	<b>2367</b>	<b>2508</b>	<b>2510</b>	<b>2513</b>	<b>2419</b>	<b>2254</b>	<b>2292</b>	<b>2776</b>	<b>2602</b>	<b>1948</b>	<b>1656</b>	<b>1430</b>	<b>1070</b>	<b>972</b>	<b>1073</b>	<b>943</b>	