

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,080 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,560 MW
Hydro	1,732 MW
Distillate	100 MW
<b>Total TNB</b>	<b>8.612 MW</b>
<b>Total IPP</b>	<b>10,695 MW</b>
<b>Total Co-Gen</b>	<b>90 MW</b>
<b>System Total</b>	<b>19,397 MW</b>

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

At Daily Maximum Demand Hour : 20:00	
TNB Generation	5,364 MW
IPP Generation	7,991 MW
Total Set On Bus	14,491 MW
Maximum Demand	13,534 MW
Spinning Reserve	1,046 MW
Net Energy	299,886 MWH
Load Factor	92.3 %

**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	12817	12360	11868	11511	11072	10984	11032	11117	10628	11925	12696	13359	13482	13072	13362	13433	13447	12999	12698	12597	13534	13496	13326	13138

**Gas Usage**

Station	(mmscfd)
CBPS	54
GLGR	57
PAKA	77
PGPS	22
TJGS	175
<b>TNB Total</b>	<b>384</b>
KLPP	61
MPSS	54
PGLA	108
PLPS	86
SGRI	183
SKSP	53
YPGS	34
YPKA	133
<b>IPP Total</b>	<b>714</b>
<b>Total Gas</b>	<b>1,098</b>

Total Gas Required : 1,184  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	6
PGPS	3
PKLG	64
TJGS	13
<b>Total</b>	<b>86</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,680.00	16.57 %
Gas	50,770.00	16.93 %
Hydro	16,867.00	5.62 %
Distillate	2,343.00	0.78 %
<b>Total TNB</b>	<b>119,660.0</b>	<b>39.90 %</b>
ST-Coal	76,498.0	25.51 %
ST-Oil	6,242.0	2.08 %
Gas	93,642.0	31.23 %
Distillate	705.0	0.24 %
<b>Total IPP</b>	<b>177,087.0</b>	<b>59.05 %</b>
Co-Gen	2,337.0	0.78 %
<b>Total Co-Gen</b>	<b>2,337.0</b>	<b>0.78 %</b>
<b>Total Generation</b>	<b>299,084.0</b>	<b>99.73 %</b>
PLTG	-103.0	-0.03 %
HVDC	-699.0	-0.23 %
<b>Interconnection</b>	<b>-802.0</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>299,886.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	343
Hydro	106
Syncon	406
Thermal	58
<b>Total</b>	<b>913</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 35

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	288	287	287	287	286	286	285	284	288	285	287	286	285	285	285	285	284	285	286	285	283	285	275	287	286	286	284	283	283	283	285	285	285	286	282															
PKLG	U005	366	357	357	358	358	360	360	379	354	358	358	362	359	359	358	358	359	358	358	359	359	359	359	359	358	358	361	364	364	357	358	358	358	360	358															
PKLG	U006	469	467	467	467	467	467	467	467	467	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468														
JMJG	U001	691	690	688	691	688	685	690	690	692	691	690	689	692	690	690	690	690	691	689	692	691	689	692	691	689	692	691	687	690	690	690	689	691	689	692	689														
JMJG	U002	689	690	689	689	692	689	689	689	690	694	692	687	691	692	690	694	700	688	690	697	689	688	692	691	689	691	690	692	692	689	689	689	694	689	690	692	691													
JMJG	U003	691	692	690	689	691	689	690	691	692	689	688	688	690	690	693	690	689	689	689	689	690	689	690	689	689	690	689	692	688	688	691	688	690	688	689	687	691													
TBIB	U002	699	694	694	697	696	695	700	698	697	701	700	697	695	696	695	694	692	698	694	695	695	697	698	698	696	693	692	693	696	697	697	691	689	698	695	690	694													
JMAH	U001	700	700	700	700	706	705	706	704	702	702	702	702	702	702	702	702	702	702	704	699	699	704	704	700	693	693	697	697	711	705	702	702	697	704	699	700	705	703												
JMAH	U002	700	700	701	703	701	701	701	701	705	706	706	702	702	702	706	705	705	705	705	705	705	702	703	701	703	699	706	701	701	705	703	703	703	703	703	703	703	703												
Total ST-Coal		5293	5277	5273	5281	5285	5277	5283	5305	5288	5289	5291	5284	5287	5283	5287	5291	5297	5278	5284	5289	5280	5280	5281	5291	5275	5284	5267	5266	5282	5277	5291	5288	5289	5274	5270	5280	5280	5270	5286	5288	5278	5293	5290	5279	5286	5282	5273	5289		
PKLG	U001	285	285	285	285	286	286	285	285	286	286	285	285	285	285	285	285	285	285	285	285	285	283	285	285	285	283	285	285	232	149	153	153	152	204	276	284	285	285	286	286	286	286	286	286						
Total ST-Oil		285	285	285	285	286	286	285	285	286	286	285	285	285	285	285	285	285	285	285	285	285	283	285	285	283	285	285	232	149	153	153	152	204	276	284	285	285	286	286	286	286	286	286	286						
CBPS	GT1A	98	98	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	89	96	96	96	96	93	93	93	88	87	87	87	87	99	98	98	98	99	98	85	0							
CBPS	GT1B	99	99	90	89	89	89	90	90	89	89	90	89	89	89	90	89	89	89	90	100	98	98	89	91	98	98	97	96	96	96	90	89	89	90	89	100	100	100	100	100	100	100	90	90						
CBPS	ST1C	100	100	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98	36						
GLGR	GT01	98	84	86	93	79	75	80	82	79	86	81	93	95	96	82	64	63	93	100	99	98	99	99	99	98	97	97	97	96	96	97	98	98	99	72	68	74	70	95	89	97	87	90	88	73	70				
GLGR	GT02	109	93	98	104	88	85	90	91	89	93	89	102	102	106	92	73	72	101	112	111	110	111	110	109	111	109	108	108	107	107	109	109	109	107	111	80	77	83	81	104	100	105	98	101	98	83	84			
GLGR	ST1C	93	88	86	90	84	83	83	84	83	86	86	86	87	90	89	88	75	71	89	93	98	99	99	98	98	98	96	96	97	97	97	98	98	98	82	79	79	72	87	94	93	87	86	88	81	80				
KLPP	GT13	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	0	0	0	0	0	0	0	0					
KLPP	GT15	119	119	119	119	118	118	78	75	72	73	71	72	72	72	72	71	73	74	73	113	120	146	146	146	116	113	145	146	145	145	145	142	112	112	112	113	148	148	148	148	147	141	112	113	113	113	148	149	149	149
KLPP	ST17	113	113	115	115	114	114	105	73	81	81	79	77	78	78	80	80	78	78	79	79	113	130	130	134	121	117	129	133	133	132	132	133	134	116	117	117	118	129	133	133	134	134	133	133	134	134	134			
MPSS	GT01	89	63	64	63	64	64	64	64	65	64	65	64	63	64	63	64	64	64	89	107	107	106	104	105	104	103	102	102	102	104	103	102	102	103	102	104	104	104	105	105	105	106	111	106	107					
MPSS	GT02	87	63	62	62	61	64	62	63	63	63	63	63	63	63	63	63	63	88	109	108	108	107	107	106	106	106	109	105	105	105	105	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106				
MPSS	ST01	81	58	51	51	51	51	51	50	50	50	50	50	50	50	50	50	73	105	106	107	107	106	106	106	106	106	105	105	105	105	106	106	105	105	105	105	105	105	105	105	105	105	105	108	108	108	107			
PAKA	GT1B	83	84	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	0	0	0	0	0	0	0				
PAKA	ST1C	35	35	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	0	0	0	0	0	0	0				
PAKA	GT2A	93	95	95	95	95	95	95	95	95	95	96	96	96	96	96	96	95	63	63	63	62	93	92	92	62	62	68	90	90	92	91	91	91	86	63	63	62	63	64	93	93	93	93	93	93	93				
PAKA	GT2B	95	96	95	95	95	96	96	96	96	96	96	96	96	96	96	96	62	62	62	62	94	93	93	61	61	65	92	92	92	91	92	92	85	62	63	61	61	62	94	94	94	94	94	94	93	93				
PAKA	ST2C	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	72	72	73	73	90	91	91	71	71	74	73	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91				
PAKA	GT3A	83	83	86	87	87	85	88	67	66	70	67	77	77	79	65	66	64	81	65	79	86	64	59	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	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
PAKA	ST3C	89	90	89	90	90	89	80	81	83	81	87	86	88	80	78	77	79	84	80	82	87	80	80	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	228	162	179	189	168	167	170	161	168	177	168	185	179	186	196	164	157	216	231	216	173	205	234	238	237	235	235	234	235	234	235	234	235	224	233	219	186	190	234	233	229	232	232	229	187	177				
PGLA	GT12	229	161	178	191	167	168	170	159	167	178	168	185	179	188	196	163	155	214	233	218	174	207	234	234	233	232	233	232	233	231	235	233	225	235	220	187	191	234	231	229	233	233	232	230	187	177				
PGLA	ST10	241	201	201	211	200	199	200	201	204	205	205	2																																						



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																											
Total Co-Gen		89	91	94	91	90	89	92	94	92	93	93	92	93	94	91	93	95	93	92	92	93	89	91	88	87	89	83	81	81	84	87	87	88	90	88	89	92	90	90	90	92	90	89	92	88	89	88				
Total Gen		12935	12571	12291	12073	11864	11620	11506	11259	10992	11048	11005	10932	10935	10953	11094	10774	10667	11438	11835	12394	12647	12993	13360	13464	13454	13206	12983	13216	13337	13424	13447	13432	13393	13372	13112	12802	12663	12508	12588	13178	13445	13527	13539	13383	13383	13254	13116	12911			
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	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		
TIE-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		146	47	40	47	25	110	24	79	51	21	50	55	68	34	6	12	68	48	60	21	20	7	30	4	1	20	60	1	5	45	44	39	26	4	142	63	6	40	21	46	60	51	72	54	86	41	8	112			
Interconnection		118	19	-69	-76	-4	81	-5	-108	-80	-8	21	-84	-97	-63	-23	-41	39	19	-90	-9	-49	-22	1	-25	-28	-49	-89	-30	-25	-75	14	9	-54	-32	113	-92	-35	11	-9	-76	-89	22	43	25	57	12	-22	82			
<b>System Total</b>		<b>12817</b>	<b>12552</b>	<b>12360</b>	<b>12149</b>	<b>11868</b>	<b>11539</b>	<b>11511</b>	<b>11367</b>	<b>11072</b>	<b>11056</b>	<b>10984</b>	<b>11016</b>	<b>11032</b>	<b>11016</b>	<b>11117</b>	<b>10815</b>	<b>10628</b>	<b>11419</b>	<b>11925</b>	<b>12403</b>	<b>12696</b>	<b>13015</b>	<b>13359</b>	<b>13489</b>	<b>13482</b>	<b>13255</b>	<b>13072</b>	<b>13246</b>	<b>13362</b>	<b>13499</b>	<b>13433</b>	<b>13423</b>	<b>13447</b>	<b>13404</b>	<b>12999</b>	<b>12894</b>	<b>12698</b>	<b>12497</b>	<b>12597</b>	<b>13254</b>	<b>13534</b>	<b>13505</b>	<b>13496</b>	<b>13358</b>	<b>13326</b>	<b>13242</b>	<b>13138</b>	<b>12829</b>			
SRev ST-Coal		53	63	67	59	55	63	57	54	52	51	50	58	53	57	53	49	43	62	56	52	60	60	59	94	109	56	73	74	58	63	50	52	51	66	70	60	60	70	54	53	102	88	92	101	55	58	67	52			
SRev ST-Oil		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	29	28	28	28	28	28	7	0	0	0	0	0	0		
SRev CCGT-Gas		626	798	766	713	811	934	1105	1272	1630	1573	1619	1654	1656	1650	1603	1819	1941	1308	1516	1098	942	581	278	205	324	539	506	323	278	226	283	257	270	259	330	593	609	757	697	278	213	181	182	181	192	310	444	513			
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	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	
SRev Distillate		53	69	47	47	50	160	7	108	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	0	0	0	0	0	
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	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
Syncon		0	0	86	474	625	625	625	625	625	625	625	625	625	625	474	625	625	625	539	539	539	539	539	388	539	388	539	388	388	539	539	539	539	539	539	539	539	539	539	625	625	625	474	474	474	474	625	625	625	625	625
Hydro		243	325	287	175	135	138	93	95	93	97	95	74	73	78	116	76	89	79	71	50	-3	58	72	224	87	205	70	162	252	159	91	132	159	214	161	78	117	121	116	197	224	225	215	84	83	87	83	84			
<b>S.Reserve Total</b>		<b>975</b>	<b>1255</b>	<b>1253</b>	<b>1468</b>	<b>1676</b>	<b>1920</b>	<b>1887</b>	<b>2154</b>	<b>2400</b>	<b>2346</b>	<b>2389</b>	<b>2411</b>	<b>2407</b>	<b>2390</b>	<b>2246</b>	<b>2569</b>	<b>2698</b>	<b>2074</b>	<b>2182</b>	<b>1739</b>	<b>1538</b>	<b>1238</b>	<b>948</b>	<b>911</b>	<b>1059</b>	<b>1188</b>	<b>1188</b>	<b>947</b>	<b>976</b>	<b>987</b>	<b>968</b>	<b>985</b>	<b>1024</b>	<b>1083</b>	<b>1105</b>	<b>1304</b>	<b>1444</b>	<b>1606</b>	<b>1525</b>	<b>1035</b>	<b>1046</b>	<b>980</b>	<b>968</b>	<b>996</b>	<b>960</b>	<b>1085</b>	<b>1224</b>	<b>1279</b>			