

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	3,854	MW
Hydro	1,805	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,799</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,375</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>63</b>	<b>MW</b>
<b>System Total</b>	<b>18,237</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	6,258	MW
IPP Generation	9,454	MW
Total Set On Bus	16,809	MW
Maximum Demand	15,959	MW
Spinning Reserve	1,034	MW
Net Energy	332,921	MWH
Load Factor	86.9	%

**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	13634	12717	12316	11801	11736	11568	11585	11431	12005	13867	14517	15215	15312	15103	15668	15929	15959	15576	14498	14075	14951	14864	14357	14060

**Gas Usage**

Station	(mmscfd)
CBPS	61
GLGR	59
PAKA	148
PGPS	43
SRDG	50
TJGS	111
<b>TNB Total</b>	<b>472</b>
KLPP	86
MPSS	5
PDPS	36
PGLA	95
PKLG	15
PLPS	111
PTEK	36
SGB3	37
SGRI	166
SKSP	39
YPGS	69
YPKA	132
<b>IPP Total</b>	<b>826</b>
<b>Total Gas</b>	<b>1,298</b>

Total Gas Required : 1,378  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	14
PKLG	65
<b>Total</b>	<b>79</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,642.00	14.91 %
ST-Oil	1,317.00	0.40 %
Gas	57,698.00	17.33 %
Hydro	20,221.00	6.07 %
<b>Total TNB</b>	<b>128,878.0</b>	<b>38.71 %</b>
ST-Coal	87,005.0	26.13 %
ST-Gas	22.0	0.01 %
ST-Oil	6,403.0	1.92 %
Gas	104,377.0	31.35 %
<b>Total IPP</b>	<b>197,807.0</b>	<b>59.42 %</b>
Co-Gen	1,924.0	0.58 %
<b>Total Co-Gen</b>	<b>1,924.0</b>	<b>0.58 %</b>
<b>Total Generation</b>	<b>328,609.0</b>	<b>98.70 %</b>
PLTG	-5,035.0	-1.51 %
HVDC	723.0	0.22 %
<b>Interconnection</b>	<b>-4,312.0</b>	<b>-1.30 %</b>
<b>Net Energy</b>	<b>332,921.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	222
Hydro	207
Syncon	305
Thermal	203
<b>Total</b>	<b>936</b>

	Weather	Temperature
Morning	Rainy	24
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	283	281	283	282	284	282	280	282	284	284	284	283	286	283	283	281	282	283	283	283	285	282	283	281	283	283	283	281	283	283	283	284	284	282	279	279	277	279	279	280	282									
PKLG	U004	282	282	281	280	282	283	279	277	277	283	287	285	284	287	284	283	280	280	280	280	282	284	280	277	279	283	281	282	280	280	278	282	283	281	283	283	284	284	282	279	279	277	279	279	280	282				
PKLG	U005	462	455	465	464	464	466	465	465	465	465	464	479	470	464	464	460	466	464	463	464	465	465	466	461	464	464	462	466	466	465	464	464	463	460	462	465	466	469	464	464	464	465								
PKLG	U006	0	0	0	265	302	363	417	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					
JMUG	U001	688	684	689	684	684	688	689	687	684	686	686	686	690	686	688	687	687	686	692	687	694	689	691	688	690	688	687	689	691	689	689	689	691	690	685	694	687	689	689	689	689	689	689	689	689	691	691			
JMUG	U002	691	691	691	689	689	692	690	692	690	672	690	682	683	691	686	690	688	690	691	689	687	689	689	689	686	691	691	691	688	690	687	690	688	691	689	689	689	689	689	689	689	689	689	689	689	689	689	691	691	
JMUG	U003	695	688	690	689	692	687	691	690	692	687	687	692	690	689	695	695	691	686	689	690	691	686	689	692	693	689	693	690	691	690	691	693	689	689	690	689	690	689	691	690	691	690	691	690	691	690	691	690		
TBIN	U001	628	631	627	627	628	625	631	629	629	626	633	625	633	629	627	626	631	627	628	631	629	631	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629		
TBIN	U002	631	631	632	630	631	628	635	632	627	629	635	628	630	633	629	628	631	629	630	630	627	632	630	631	629	628	631	629	631	631	630	627	630	629	631	631	630	629	631	631	631	631	631	631	631	631	631	631	631	
TBIN	U003	630	631	629	631	632	628	632	631	628	632	629	632	632	631	629	630	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	629	
JMAH	U002	705	704	701	701	701	703	709	701	703	702	709	705	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	702	
Total ST-Coal		5695	5678	5688	5942	5997	6043	6110	5689	5679	5663	5708	5675	5698	5714	5698	5686	5691	5684	5698	5683	5683	5692	5687	5692	5688	5684	5688	5683	5694	5694	5690	5682	5679	5683	5684	5684	5696	5682	5679	5683	5684	5684	5696	5682	5681	5681	5681	5681	5681	
PKLG	U006	237	236	246	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		
Total ST-Gas		237	236	246	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	
PGPS	U002	69	68	68	68	67	69	69	69	68	69	68	69	68	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68		
PKLG	U002	270	270	259	263	263	264	264	264	264	271	271	271	271	271	271	271	271	271	271	271	271	271	270	270	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271		
Total ST-Oil		339	338	327	331	330	333	333	333	332	333	339	340	339	340	340	339	339	339	339	339	338	338	339	339	340	331	318	318	319	318	318	318	337	340	340	339	332	334	338	338	337	337	338	339	340					
CBPS	GT1A	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			
CBPS	GT1B	89	89	90	89	90	90	91	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
CBPS	ST1C	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45		
GLGR	GT01	97	103	103	103	102	100	93	64	64	63	65	64	64	65	62	65	104	102	101	102	102	101	102	101	101	101	102	100	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
GLGR	GT02	102	107	107	106	107	107	98	69	70	69	70	71	71	70	70	71	110	107	107	107	108	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
GLGR	ST1C	86	95	96	95	95	96	92	69	67	68	68	67	68	69	67	67	67	92	96	96	97	97	96	96	97	97	97	96	97	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
KLPP	GT11	5	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		
KLPP	GT12	4	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		
KLPP	GT13	143	142	144	112	67	67	68	68	106	106	68	68	69	68	68	101	110	141	142	143	147	146	146	146	146	146	146	146	146	144	144	144	108	66	20	18	12	11	11	11	11	12	12	14	76	138				
KLPP	GT14	135	135	135	101	91	66	66	66	67	66	66	66	66	66	66	101	134	134	135	134	135	135	135	134	135	133	133	137	137	105	65	22	20	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT15	147	147	148	114	72	70	69	70	70	70	70	70	69	69	69	147	146	147	152	154	152	153	153	151	152	152	152	152	152	151	151	151	110	66	20	19	8	8	8	8	8	8	8	8	8	8	8	8		
KLPP	ST17	229	205	201	185	172	137	137	135	149	149	136	132	132	133	131	162	199	191	224	232	234	234	234	234	234	234	234	234	232	232	235	220	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MPSS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MPSS	ST01	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		
PAKA	GT1A	67	66	65	65	66	65	66	65	65	67	65	66	66	64	65	66	66	84	83	82	81	80	81	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80		
PAKA	GT1B	65	66																																																



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	
LPIA	HY01	17	17	17	17	17	17	17	17	17	21	21	21	21	23	23	23	23	23	22	22	22	22	21	22	22
MNOR	HY01	5	5	4	4	2	2	2	2	2	2	3	3	0	0	4	4	4	4	4	4	4	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	25	26	129	130	111	0	0	0
PGAU	HY02	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	111	-1	-1	-1	-1	-1	18	118	105	24	20	34	28	24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	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
SIHY	HY01	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	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
SYPS	HY02	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
SYPS	HY03	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
SYPS	HY04	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
TMGR	HY01	38	80	31	37	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	40	79	36	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	56	61	54	27	39	34	29	31	47	32	43	33	47	42	42	44	39	27	43	37	37	36	84	84	84
TMGR	HY04	55	59	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	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
<b>Total Hydro</b>		<b>1012</b>	<b>885</b>	<b>728</b>	<b>565</b>	<b>490</b>	<b>482</b>	<b>441</b>	<b>482</b>	<b>687</b>	<b>650</b>	<b>587</b>	<b>568</b>	<b>602</b>	<b>592</b>	<b>589</b>	<b>565</b>	<b>434</b>	<b>488</b>	<b>547</b>	<b>867</b>	<b>776</b>	<b>832</b>	<b>1143</b>	<b>1262</b>	
PCUF	CUFG	53	53	53	53	52	52	47	48	48	48	47	47	47	48	47	47	47	46	45	44	43	42	41	41	43
PCUF	CUFK	30	30	30	29	30	31	30	31	30	31	33	32	31	33	31	31	31	30	28	25	24	24	22	22	22
<b>Total Co-Gen</b>		<b>83</b>	<b>83</b>	<b>83</b>	<b>82</b>	<b>82</b>	<b>83</b>	<b>77</b>	<b>79</b>	<b>78</b>	<b>79</b>	<b>81</b>	<b>79</b>	<b>78</b>	<b>79</b>	<b>78</b>	<b>77</b>	<b>75</b>	<b>71</b>	<b>69</b>	<b>68</b>	<b>65</b>	<b>64</b>	<b>63</b>	<b>64</b>	
<b>Total Gen</b>		<b>13459</b>	<b>12939</b>	<b>12592</b>	<b>12394</b>	<b>12076</b>	<b>11968</b>	<b>11632</b>	<b>11389</b>	<b>11467</b>	<b>11300</b>	<b>11283</b>	<b>11217</b>	<b>11306</b>	<b>11319</b>	<b>11309</b>	<b>11545</b>	<b>11788</b>	<b>12962</b>	<b>13701</b>	<b>14171</b>	<b>14349</b>	<b>14702</b>	<b>15011</b>	<b>15244</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	0
TIE-HVDC		31	31	31	31	29	29	30	30	31	31	30	30	31	31	30	30	31	31	29	29	29	30	30	31	30
TIE-PLTG		-205	-227	-156	-151	-271	-157	-198	-243	-299	-193	-316	-203	-309	-299	-153	-164	-247	-89	-197	-169	-203	-279	-235	-214	
<b>Interconnection</b>		<b>-174</b>	<b>-196</b>	<b>-125</b>	<b>-120</b>	<b>-240</b>	<b>-128</b>	<b>-169</b>	<b>-213</b>	<b>-269</b>	<b>-162</b>	<b>-285</b>	<b>-173</b>	<b>-279</b>	<b>-268</b>	<b>-122</b>	<b>-134</b>	<b>-217</b>	<b>-58</b>	<b>-166</b>	<b>-139</b>	<b>-173</b>	<b>-248</b>	<b>-204</b>	<b>-185</b>	
<b>System Total</b>		<b>13633</b>	<b>13135</b>	<b>12717</b>	<b>12514</b>	<b>12316</b>	<b>12096</b>	<b>11801</b>	<b>11602</b>	<b>11736</b>	<b>11462</b>	<b>11568</b>	<b>11390</b>	<b>11585</b>	<b>11587</b>	<b>11431</b>	<b>11679</b>	<b>12005</b>	<b>13020</b>	<b>13867</b>	<b>14310</b>	<b>14522</b>	<b>14950</b>	<b>15215</b>	<b>15429</b>	
SRev ST-Coal		213	223	217	225	212	228	209	214	224	244	203	234	211	211	222	223	216	221	215	217	223	213	220	214	219
SRev ST-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
SRev ST-Oil		13	14	25	21	22	19	19	19	19	20	19	13	12	13	12	12	13	13	13	13	14	14	13	13	13
SRev CCGT-Gas		631	480	553	599	896	1046	1402	1139	1255	1369	1371	1389	1357	1351	1341	1081	1525	797	199	197	145	153	161	165	
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
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
Syncon		151	453	453	539	625	625	625	474	474	474	474	474	474	474	474	625	625	625	474	237	539	539	388	388	
Hydro		260	85	241	128	65	73	84	194	94	131	194	213	179	189	193	66	172	118	214	418	357	301	66	98	
<b>S.Reserve Total</b>		<b>1268</b>	<b>1255</b>	<b>1489</b>	<b>1512</b>	<b>1820</b>	<b>1991</b>	<b>2339</b>	<b>2040</b>	<b>2066</b>	<b>2238</b>	<b>2261</b>	<b>2323</b>	<b>2233</b>	<b>2238</b>	<b>2242</b>	<b>2007</b>	<b>2551</b>	<b>1774</b>	<b>1115</b>	<b>1095</b>	<b>1389</b>	<b>1247</b>	<b>1013</b>	<b>908</b>	