

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	2,983	MW
Hydro	1,625	MW
Distillate	792	MW
<b>Total TNB</b>	<b>6,780</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,863</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>77</b>	<b>MW</b>
<b>System Total</b>	<b>17,720</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:30		
TNB Generation	6,241	MW
IPP Generation	9,731	MW
Total Set On Bus	17,010	MW
Maximum Demand	16,018	MW
Spinning Reserve	961	MW
Net Energy	328,356	MWH
Load Factor	85.4	%
Total Cost	70,257,889	RM
Cost per Unit	22.30	cents/kWH

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	12701	11966	11518	11132	10818	10702	10860	10962	11950	13849	14857	15404	15427	15144	15540	15878	16012	15634	14421	14079	15221	15101	14538	14124

**Gas Usage**

Station	(mmscfd)
CBPS	11
GLGR	58
PAKA	166
PGPS	35
SRDG	8
TJGS	213
<b>TNB Total</b>	<b>491</b>
KLPP	83
MPSS	57
PGLA	110
PLPS	67
PTEK	3
SGB3	43
SGRI	119
SKSP	53
YPKA	120
<b>IPP Total</b>	<b>655</b>
<b>Total Gas</b>	<b>1,145</b>

Total Gas Required : 1,578  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
CBPS	22
KLPP	23
PDPS	61
PGGS	13
PGPS	16
PKLG	122
PLPS	27
PTEK	18
SGB3	24
SGRI	67
SRDG	39
<b>Total</b>	<b>433</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	30,746.00	9.36 %
Gas	64,593.00	19.67 %
Hydro	14,020.00	4.27 %
Distillate	8,718.00	2.66 %
<b>Total TNB</b>	<b>118,077.0</b>	<b>35.96 %</b>
ST-Coal	86,761.0	26.42 %
ST-Oil	11,939.0	3.64 %
Gas	85,591.0	26.07 %
Distillate	24,840.0	7.56 %
<b>Total IPP</b>	<b>209,131.0</b>	<b>63.69 %</b>
Co-Gen	1,883.0	0.57 %
<b>Total Co-Gen</b>	<b>1,883.0</b>	<b>0.57 %</b>
<b>Total Generation</b>	<b>329,091.0</b>	<b>100.22 %</b>
PLTG	6.0	0.00 %
HVDC	729.0	0.22 %
<b>Interconnection</b>	<b>735.0</b>	<b>0.22 %</b>
<b>Net Energy</b>	<b>328,356.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	492
Hydro	281
Syncon	183
Thermal	123
<b>Total</b>	<b>1080</b>

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	38

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																												
PKL.G	U003	283	283	283	281	282	282	282	282	282	282	284	282	282	282	281	281	283	282	282	281	277	279	283	282	283	279	279	281	281	279	281	284	283																			
PKL.G	U004	282	280	282	279	279	280	282	282	284	282	286	284	285	283	284	283	285	283	281	279	281	283	277	281	281	281	281	283	281	275	277	277	279	280	281	283	283	279	211	230	269	277	274									
PKL.G	U006	448	448	448	448	448	448	451	448	445	449	449	449	449	449	445	449	462	469	466	466	469	466	466	466	467	466	466	466	466	466	466	466	466	469	466	466	466	375	358	358	358	357	362	358	358	358						
JM/G	U001	687	690	688	691	689	697	682	693	687	686	688	689	692	690	689	688	690	692	691	690	690	692	689	692	687	691	693	688	689	697	689	691	691	692	688	329	331	334	327	332	335	337	337	320	327	333	348	302				
JM/G	U003	691	697	686	689	676	684	689	689	689	690	692	686	692	687	691	688	689	693	689	695	691	695	691	692	691	691	689	689	690	693	687	693	691	691	690	688	683	692	685	684	683	685	683	685	683	686	686	684				
TB/N	U001	670	663	668	667	669	668	667	667	664	667	667	668	669	668	668	669	675	668	672	664	669	667	668	667	671	668	667	664	667	666	668	670	669	663	666	662	668	666	665	667	668	668	668	664	665	669	667					
TB/N	U002	680	677	680	678	689	680	675	676	673	678	678	678	681	676	679	679	680	682	681	683	675	681	677	677	676	683	679	679	679	676	679	681	680	676	678	675	678	679	678	676	678	678	675	676	679	678	678					
TB/N	U003	671	665	669	670	671	669	669	670	668	671	669	669	672	669	668	671	668	671	669	672	669	671	665	669	670	671	674	668	668	665	669	669	665	669	669	669	665	669	669	665	669	669	665	669	669	669	669	660				
JMAH	U002	603	603	604	604	603	605	597	605	601	601	601	608	603	603	603	603	612	603	603	603	608	601	601	601	607	607	602	598	604	598	604	606	606	599	601	596	604	604	604	604	605	600	600	600	604	604	600	600				
Total ST-Coal		5015	5006	5008	5009	5005	5013	4991	5016	4994	5004	5008	5017	5024	5009	5012	5009	5014	5045	5028	5046	5020	5041	5029	5024	5020	5047	5032	5026	5007	5037	5014	5034	5042	5034	5006	4650	4637	4673	4567	4550	4554	4562	4553	4470	4484	4544	4573	4516				
PKL.G	U001	284	284	284	284	264	173	143	143	143	143	143	143	143	143	143	145	231	283	285	284	284	283	283	283	283	283	283	283	283	283	283	283	284	284	279	265	265	265	265	265	283	283	283	283	283	283	283	283	283			
PKL.G	U002	282	282	282	281	283	265	205	147	149	149	148	148	149	149	147	203	273	279	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283		
Total ST-Oil		566	566	566	565	547	438	348	290	292	292	292	291	291	292	292	292	434	556	564	567	567	566	566	566	562	561	561	567	565	565	565	540	540	540	535	521	521	521	521	564	566	566	565	565	566	566	565	565				
CBPS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	28	31	0	0	0	28	28	31	23	24	0	0	0	25	39	38	39	39	37	38	38	39	39	68	87	93	100									
CBPS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	29	29	19	0	0	0	0	0	0	0	0	0	0	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	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT01	107	108	74	69	68	66	67	68	67	68	67	68	68	67	68	68	70	91	107	108	107	106	105	104	104	104	103	103	103	104	103	104	104	104	104	104	104	104	105	105	104	105	106	106	106	106	106	107	106			
GLGR	GT02	108	109	73	67	68	67	68	67	68	67	68	67	67	67	68	68	88	108	108	107	108	107	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	109	108	109	
GLGR	ST1C	99	98	82	71	71	71	71	71	71	71	71	71	71	71	71	70	80	98	98	98	98	98	98	98	98	98	98	98	97	97	98	98	95	97	97	97	97	98	99	99	99	99	98	98	98	98	98	99				
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	27	27	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	103	141	146	147	147	147	146	146	145	145	145	146	146	146	144	150	150	150	149	148	142	114	114	145	145	145	146	147	147	146	147	151					
KLPP	GT14	152	152	152	152	152	152	152	152	152	150	150	149	149	150	150	0	0	0	0	0	0	0	0	0	0	0	0	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	140	140	140	140	140	140	60	60	60	60	60	60	60	60	60	140	149	150	150	148	150	147	148	148	148	149	148	146	147	146	147	148	146	114	113	147	148	149	148	149	148	149	148	149	148	148	150					
KLPP	ST17	163	134	132	134	135	130	107	106	105	105	106	106	112	103	102	101	129	189	175	214	219	219	219	220	219	219	219	219	219	221	221	223	220	221	221	206	208	222	220	220	220	220	220	220	219	219	165	161				
MPSS	GT01	107	108	67	66	64	64	66	65	64	65	66	65	65	64	65	63	79	106	107	107	105	104	103	102	101	101	99	99	99	101	102	102	102	102	102	103	103	104	103	103	104	104	104	104	104	105	105	105	105	105		
MPSS	GT02	108	108	69	69	67	68	68	68	68	68	67	67	69	68	69	81	108	108	107	107	106	106	105	105	105	105	103	103	103	104	104	105	105	105	105	105	105	105	105	105	105	106	106	106	106	106	106	106	107			
MPSS	ST01	114	115	74	56	56	56	56	56	56	56	56	56	56	56	56	64	111	113	113	113	113	112	112	112	111	111	112	111	112	112	112	112	112	112	112	112	112	112	112	112	112	113	113	113	113	113	113	113	113			
PAKA	GT1A	66	65	66	66	65	65	65	65	64	65	66	66	65	66	65	66	67	67	90	90	90	89	90	89	89	88	89	88	88	88	88	88	89	89	89	89	89	90	65	67	91	91	90	90	91	91	91	91	91	91	91	
PAKA	ST1C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	36	36	37	37	36	36	36	36	36	36	37	37	37	37	37	37	36	36	30	30	36	36	36	36	36	36	36	36	36	36	36	36			
PAKA	GT2A	65	63	65	65	65	64	64	65	64	65	65	65	65	65	64	65	65	65	88	88	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	GT2B	64	63	64																																																	



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																																	
<b>UPIA</b>	<b>HY02</b>	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5																													
<b>Total Hydro</b>		<b>196</b>	<b>147</b>	<b>159</b>	<b>160</b>	<b>161</b>	<b>160</b>	<b>183</b>	<b>191</b>	<b>156</b>	<b>155</b>	<b>180</b>	<b>164</b>	<b>177</b>	<b>172</b>	<b>160</b>	<b>173</b>	<b>148</b>	<b>247</b>	<b>250</b>	<b>201</b>	<b>607</b>	<b>599</b>	<b>945</b>	<b>1075</b>	<b>985</b>	<b>608</b>	<b>627</b>	<b>616</b>	<b>873</b>	<b>1097</b>	<b>1152</b>	<b>1191</b>	<b>1219</b>	<b>1252</b>	<b>1043</b>	<b>1010</b>	<b>590</b>	<b>495</b>	<b>489</b>	<b>825</b>	<b>1208</b>	<b>1201</b>	<b>1199</b>	<b>1091</b>	<b>826</b>	<b>733</b>	<b>556</b>	<b>599</b>									
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	114	113	113	114	112	113	112	112	112	107	112	113	113	114	113	113	113	112	109	114	115	114	114	115	115	116	113	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	105	129	129	139	139	139	139	139	139	138	138	138	138	138	138	138	137	137	137	137	137	136	136	138	138	138	138	139	139	0	0	0	0	0	0	0	0			
PDP	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	102	102	101	101	99	99	100	100	101	99	99	98	98	99	100	102	100	101	100	100	100	100	101	101	102	102	104	0	0	0	0	0	0	0	0	0	0	0	0	
PDP	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	102	101	99	99	99	99	99	98	99	99	97	97	98	99	101	101	100	101	100	100	101	101	102	102	103	102	101	101	103	104	103	105	105	104	104	104	103	103		
PDP	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	104	102	101	101	101	100	100	100	100	100	100	102	102	103	102	101	101	103	104	103	104	103	105	105	104	104	104	104	102	102	102	102	102	102	102	102			
PDP	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	101	101	100	100	100	98	98	99	99	98	99	99	99	101	99	99	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101		
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	100	98	98	98	98	96	98	97	98	97	98	98	96	97	98	97	96	97	96	97	96	98	97	98	96	97	98	96	97	98	96	97	98	96	97	98	96	97	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	90	91	90	92	90	91	91	91	91	91	91	91	90	89	90	85	88	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	107	105	106	104	104	103	103	102	103	102	101	102	101	104	104	106	105	105	106	106	107	107	107	107	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	127	127	125	124	124	124	124	124	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	124	124	124	124	124	124	124	124	124	123	123	125	125	125	125		
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	126	124	124	124	124	124	124	124	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	124	124	124	124	124	124	124	124	123	123	125	125	125	125		
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	120	120	118	118	118	118	117	117	117	117	117	116	116	116	116	116	116	117	117	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	119	119	119	119	119	
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	122	120	120	120	120	120	120	119	119	119	119	119	118	118	118	118	118	119	119	120	120	120	120	119	119	119	119	119	119	119	119	121	121	121	121	121	121	121		
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	121	122	120	120	120	118	119	117	117	116	116	116	116	115	116	117	114	118	118	120	121	121	122	122	119	119	119	123	123	123	123	123	123	123	123	123	123	123	123	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	104	104	105	105	104	104	104	104	104	104	104	105	105	105	105	105	104	105	105	105	105	104	104	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
FLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	153	148	148	148	147	147	146	146	146	145	144	144	142	142	141	141	143	144	146	146	147	147	148	147	149	149	149	149	149	149	149	149	149	149	149	149	149	149		
<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>240</b>	<b>548</b>	<b>1035</b>	<b>1557</b>	<b>1663</b>	<b>1801</b>	<b>1809</b>	<b>1800</b>	<b>1798</b>	<b>1791</b>	<b>1787</b>	<b>1785</b>	<b>1784</b>	<b>1975</b>	<b>2006</b>	<b>2009</b>	<b>2007</b>	<b>2014</b>	<b>2018</b>	<b>2019</b>	<b>1891</b>	<b>1790</b>	<b>1797</b>	<b>1798</b>	<b>1812</b>	<b>1812</b>	<b>1817</b>	<b>1816</b>	<b>1817</b>	<b>1510</b>	<b>1374</b>	<b>1332</b>										
PCUF	CUFG	45	45	45	45	46	45	45	47	45	45	46	45	44	44	44	44	43	44	44	44	44	44	43	44	44	43	43	42	43	42	44	43	45	44	44	45	44	45	44	44	45	44	44	44	44	44	44	44	44	44	43						
PCUF	CUFK	29	31	33	32	33	32	33	34	32	35	34	33	35	34	33	35	34	35	34	33	34	33	35	35	34	33	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35					
<b>Total Co-Gen</b>		<b>74</b>	<b>76</b>	<b>78</b>	<b>77</b>	<b>78</b>	<b>77</b>	<b>78</b>	<b>79</b>	<b>78</b>	<b>79</b>	<b>80</b>	<b>79</b>	<b>80</b>	<b>79</b>	<b>81</b>	<b>82</b>	<b>79</b>	<b>78</b>	<b>77</b>	<b>78</b>	<b>77</b>	<b>78</b>	<b>78</b>	<b>77</b>	<b>78</b>	<b>78</b>	<b>78</b>	<b>77</b>	<b>79</b>	<b>78</b>	<b>80</b>	<b>80</b>	<b>79</b>	<b>79</b>	<b>80</b>	<b>80</b>	<b>79</b>	<b>80</b>	<b>79</b>	<b>80</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>79</b>								
<b>Total Gen</b>		<b>12667</b>	<b>12298</b>	<b>11986</b>	<b>11795</b>	<b>11540</b>	<b>11401</b>	<b>11112</b>	<b>10956</b>	<b>10891</b>	<b>10803</b>	<b>10752</b>	<b>10640</b>	<b>10826</b>	<b>11066</b>	<b>11010</b>	<b>11148</b>	<b>11971</b>	<b>12911</b>	<b>13846</b>	<b>14308</b>	<b>14945</b>	<b>15124</b>	<b>15479</b>	<b>15611</b>	<b>15469</b>	<b>15155</b>	<b>15164</b>	<b>15273</b>	<b>15603</b>	<b>15874</b>	<b>15956</b>	<b>16049</b>	<b>16034</b>	<b>16081</b>	<b>15753</b>	<b>15239</b>	<b>14557</b>	<b>14073</b>	<b>14067</b>	<b>14836</b>	<b>15255</b>	<b>15192</b>	<b>15152</b>	<b>15054</b>	<b>14655</b>	<b>14526</b>	<b>14171</b>	<b>13968</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	0	0	0	0	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	30	30	31	30	31	31	30	30	29	29	31	31	31	31	30	30	31	31	30	30	30	30	30	31	30	30	30	31	30	30	30	30	31	31	31	31	31	29	29	31	31	31	31	31	31	31	31	31	31	31	31					
TIE-PLTG		-65	37	-10	-7	-9	-4	-50	-24	42	-11	20	-41	-63	-3	17	-82	-10	-132	-33	30	57	-42	45	-33	12	-22	-11	-18	33	-11	48	0	-																								