

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,885 MW
Hydro	1,532 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,397 MW</b>
<b>Total IPP</b>	<b>11,457 MW</b>
<b>Total Co-Gen</b>	<b>29 MW</b>
<b>System Total</b>	<b>18,883 MW</b>

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

At Daily Maximum Demand Hour : 20:30	
TNB Generation	5,636 MW
IPP Generation	9,393 MW
Total Set On Bus	16,028 MW
Maximum Demand	14,855 MW
Spinning Reserve	970 MW
Net Energy	330,328 MWH
Load Factor	92.7 %
Total Cost	55,311,862 RM
Cost per Unit	17.09 cents/kWH

**Maximum Demand Record**

Date :	11/06/2014	16,901.0MW
Date :	19/06/2014	354,829.0MWH

**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	14626	13943	13457	13084	12625	12349	12403	11930	11702	12971	13901	14531	14465	14125	14462	14659	14665	14347	13741	13544	14830	14774	14606	14598

**Gas Usage**

Station	(mmscfd)
CBPS	54
GLGR	56
PAKA	158
PGPS	42
SRDG	7
TJGS	193
<b>TNB Total</b>	<b>510</b>
KLPP	93
MPSS	10
PDPS	5
PGLA	111
PLPS	35
PTEK	3
SGRI	159
SKSP	25
YPGS	66
YPKA	95
<b>IPP Total</b>	<b>602</b>
<b>Total Gas</b>	<b>1,112</b>
Total Gas Required :	1,316
Gas Calorific Value :	38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	5
PGPS	1
PKLG	134
PLPS	28
SGRI	20
TJGS	16
<b>Total</b>	<b>204</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,290.00	14.32 %
Gas	66,777.00	20.22 %
Hydro	8,549.00	2.59 %
Distillate	2,277.00	0.69 %
<b>Total TNB</b>	<b>124,893.0</b>	<b>37.81 %</b>
ST-Coal	107,287.0	32.48 %
ST-Oil	13,228.0	4.00 %
Gas	80,200.0	24.28 %
Distillate	5,871.0	1.78 %
<b>Total IPP</b>	<b>206,586.0</b>	<b>62.54 %</b>
Co-Gen	776.0	0.23 %
<b>Total Co-Gen</b>	<b>776.0</b>	<b>0.23 %</b>
<b>Total Generation</b>	<b>332,255.0</b>	<b>100.58 %</b>
PLTG	829.0	0.25 %
HVDC	1,098.0	0.33 %
<b>Interconnection</b>	<b>1,927.0</b>	<b>0.58 %</b>
<b>Net Energy</b>	<b>330,328.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	394
Hydro	143
Syncon	523
Thermal	69
<b>Total</b>	<b>1128</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 32





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
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	32	39	41	35	32	35	43	32	32	44	34	35	44	28	22	26	29	48	43	48	42	44	45	45
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<b>Total Hydro</b>		<b>234</b>	<b>306</b>	<b>330</b>	<b>241</b>	<b>185</b>	<b>189</b>	<b>236</b>	<b>184</b>	<b>182</b>	<b>327</b>	<b>211</b>	<b>210</b>	<b>245</b>	<b>176</b>	<b>159</b>	<b>166</b>	<b>171</b>	<b>208</b>	<b>201</b>	<b>305</b>	<b>325</b>	<b>601</b>	<b>803</b>	<b>882</b>
KLPP	GT13	132	132	133	132	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	133	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	125	125	123	123	123	125	125	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT12	125	125	126	126	124	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	125	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	201	179	154	136	139	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	122	122	119	119	118	118	120	120	119	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	133	59	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	149	148	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	138	140	141	138	142	143	141	143	142	141	141	143	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	145	145	147	146	142	145	144	144	144	144	144	118	117	118	118	117	118	101	0	0	0	0	0	0
PLPS	ST18	205	205	194	165	137	134	137	135	136	135	135	136	85	60	117	0	0	0	0	0	0	0	0	0
TJGS	GT1A	177	177	178	178	178	179	179	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1B	181	180	184	182	184	181	181	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST1C	193	193	193	193	193	193	193	172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Distillate</b>		<b>2530</b>	<b>2020</b>	<b>1793</b>	<b>1638</b>	<b>1560</b>	<b>1403</b>	<b>1220</b>	<b>1109</b>	<b>664</b>	<b>455</b>	<b>420</b>	<b>423</b>	<b>203</b>	<b>177</b>	<b>235</b>	<b>118</b>	<b>117</b>	<b>118</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PCUF	CUFK	36	35	35	34	36	36	35	35	35	37	37	36	36	37	37	37	38	36	35	35	35	33	32	31
<b>Total Co-Gen</b>		<b>36</b>	<b>35</b>	<b>35</b>	<b>34</b>	<b>36</b>	<b>36</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>37</b>	<b>37</b>	<b>36</b>	<b>36</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>38</b>	<b>36</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>33</b>	<b>32</b>	<b>31</b>
<b>Total Gen</b>		<b>14700</b>	<b>14389</b>	<b>13948</b>	<b>13694</b>	<b>13576</b>	<b>13316</b>	<b>13128</b>	<b>12911</b>	<b>12687</b>	<b>12580</b>	<b>12368</b>	<b>12368</b>	<b>12375</b>	<b>12334</b>	<b>12177</b>	<b>11690</b>	<b>11721</b>	<b>12432</b>	<b>13025</b>	<b>13543</b>	<b>13897</b>	<b>14233</b>	<b>14596</b>	<b>14805</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		31	31	31	29	29	29	31	32	30	30	31	29	31	31	31	32	31	30	31	31	30	32	32	31
TIE-PLTG		43	44	-26	0	90	50	13	53	32	42	-12	14	-59	52	216	97	-13	-26	24	-52	-35	2	35	38
Interconnection		74	75	5	29	119	79	44	85	62	72	19	43	-28	83	247	128	19	5	54	-21	-4	33	65	70
<b>System Total</b>		<b>14626</b>	<b>14314</b>	<b>13943</b>	<b>13665</b>	<b>13457</b>	<b>13237</b>	<b>13084</b>	<b>12826</b>	<b>12625</b>	<b>12508</b>	<b>12349</b>	<b>12325</b>	<b>12403</b>	<b>12251</b>	<b>11930</b>	<b>11562</b>	<b>11702</b>	<b>12427</b>	<b>12971</b>	<b>13564</b>	<b>13901</b>	<b>14200</b>	<b>14531</b>	<b>14735</b>
SRev	ST-Coal	65	70	68	135	59	60	64	66	59	67	51	55	50	62	61	250	154	70	66	56	64	60	56	62
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
SRev	ST-Oil	8	8	6	7	7	7	5	7	7	7	5	7	7	8	8	84	79	81	21	5	4	4	8	8
SRev	CCGT-Gas	239	406	478	449	371	567	916	916	1252	1212	1068	1063	876	973	1312	1528	1516	974	582	753	482	324	512	515
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	182	392	269	144	152	169	52	163	56	125	20	17	17	43	-15	22	23	22	39	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
Syncon		726	424	424	424	726	726	575	726	726	575	575	575	575	726	726	726	726	726	726	575	474	388	388	302
Hydro		86	316	292	337	91	109	213	114	116	122	238	239	204	122	139	132	127	90	99	146	227	137	135	142

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																								
S.Reserve Total		1306	1616	1537	1496	1406	1638	1825	1992	2216	2108	1957	1956	1729	1934	2231	2742	2625	1963	1533	1535	1251	913	1099	1029	1242	1351	1289	1065	1155	1093	1040	1137	1070	1117	1010	1314	1509	1854	1931	1411	1044	970	1040	847	856	1072	1172	890