

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,220 MW
Hydro	1,697 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,947 MW</b>
<b>Total IPP</b>	<b>12,062 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>System Total</b>	<b>19,009 MW</b>

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

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,444 MW
IPP Generation	10,105 MW
Total Set On Bus	16,501 MW
Maximum Demand	15,699 MW
Spinning Reserve	885 MW
Net Energy	330,095 MWH
Load Factor	87.6 %
Total Cost	47,574,216 RM
Cost per Unit	15.43 cents/kWH

**Maximum Demand Record**

Date :	11/06/2014	16,901.0 MW
Date :	24/06/2014	355,911.0 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	13127	12585	12085	11782	11522	11294	11553	11586	12014	13682	14485	15207	15029	14774	15290	15667	15630	15263	14356	13796	15175	14801	14543	14097

**Gas Usage**

Station	(mmscfd)
CBPS	39
GLGR	59
PAKA	95
PGPS	44
SRDG	39
TJGS	110
<b>TNB Total</b>	<b>386</b>
KLPP	107
MPSS	58
PDPS	12
PGLA	93
PKLG	19
PLPS	101
PTEK	9
SGRI	174
SKSP	57
YPGS	34
YPKA	129
<b>IPP Total</b>	<b>792</b>
<b>Total Gas</b>	<b>1,178</b>
Total Gas Required :	1,178
Gas Calorific Value :	38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,552.00	14.71 %
Gas	47,788.00	14.48 %
Hydro	14,954.00	4.53 %
<b>Total TNB</b>	<b>111,294.0</b>	<b>33.72 %</b>
ST-Coal	114,719.0	34.75 %
ST-Gas	1,781.0	0.54 %
Gas	100,477.0	30.44 %
<b>Total IPP</b>	<b>216,977.0</b>	<b>65.73 %</b>
Co-Gen	1,783.0	0.54 %
<b>Total Co-Gen</b>	<b>1,783.0</b>	<b>0.54 %</b>
<b>Total Generation</b>	<b>330,054.0</b>	<b>99.99 %</b>
PLTG	657.0	0.20 %
HVDC	-698.0	-0.21 %
<b>Interconnection</b>	<b>-41.0</b>	<b>-0.01 %</b>
<b>Net Energy</b>	<b>330,095.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	430
Hydro	377
Syncon	200
Thermal	63
<b>Total</b>	<b>1069</b>

	Weather	Temperature
Morning	Sunny	25
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																												
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																												
TMGR	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																												
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																												
UPIA	HY02	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																												
<b>Total Hydro</b>		<b>346</b>	<b>368</b>	<b>419</b>	<b>395</b>	<b>372</b>	<b>414</b>	<b>368</b>	<b>359</b>	<b>349</b>	<b>417</b>	<b>378</b>	<b>414</b>	<b>421</b>	<b>528</b>	<b>482</b>	<b>411</b>	<b>393</b>	<b>485</b>	<b>464</b>	<b>702</b>	<b>906</b>	<b>871</b>	<b>1066</b>	<b>1178</b>	<b>1155</b>	<b>932</b>	<b>919</b>	<b>994</b>	<b>1076</b>	<b>1222</b>	<b>1111</b>	<b>1094</b>	<b>1047</b>	<b>961</b>	<b>791</b>	<b>613</b>	<b>371</b>	<b>155</b>	<b>165</b>	<b>478</b>	<b>887</b>	<b>837</b>	<b>774</b>	<b>649</b>	<b>556</b>	<b>247</b>	<b>167</b>	<b>214</b>				
PCUF	CUFG	43	44	44	43	42	44	44	43	42	43	44	43	43	43	44	42	41	41	40	41	40	39	40	40	40	41	39	41	38	40	41	40	39	41	41	41	41	43	40	40	40	40	40	40	40	38						
PCUF	CUFK	38	38	37	37	38	37	39	39	39	38	37	37	37	37	38	37	36	33	33	31	31	29	29	29	28	29	28	26	27	29	29	29	29	30	31	30	31	30	31	28	31	31	31	30	31	32	32	29				
<b>Total Co-Gen</b>		<b>81</b>	<b>82</b>	<b>81</b>	<b>80</b>	<b>80</b>	<b>81</b>	<b>83</b>	<b>82</b>	<b>81</b>	<b>82</b>	<b>82</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>82</b>	<b>80</b>	<b>79</b>	<b>76</b>	<b>77</b>	<b>73</b>	<b>72</b>	<b>70</b>	<b>69</b>	<b>70</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>66</b>	<b>67</b>	<b>70</b>	<b>68</b>	<b>70</b>	<b>67</b>	<b>70</b>	<b>72</b>	<b>70</b>	<b>69</b>	<b>72</b>	<b>69</b>	<b>72</b>	<b>74</b>	<b>71</b>	<b>70</b>	<b>71</b>	<b>70</b>	<b>71</b>	<b>72</b>	<b>72</b>	<b>67</b>		
<b>Total Gen</b>		<b>13155</b>	<b>12762</b>	<b>12486</b>	<b>12398</b>	<b>12198</b>	<b>11993</b>	<b>11781</b>	<b>11798</b>	<b>11717</b>	<b>11378</b>	<b>11300</b>	<b>11401</b>	<b>11549</b>	<b>11724</b>	<b>11735</b>	<b>11606</b>	<b>11957</b>	<b>13148</b>	<b>13780</b>	<b>14150</b>	<b>14461</b>	<b>14861</b>	<b>15223</b>	<b>15380</b>	<b>15033</b>	<b>14839</b>	<b>14769</b>	<b>15030</b>	<b>15244</b>	<b>15616</b>	<b>15667</b>	<b>15650</b>	<b>15570</b>	<b>15631</b>	<b>15263</b>	<b>14794</b>	<b>14288</b>	<b>13929</b>	<b>13800</b>	<b>14664</b>	<b>15121</b>	<b>15043</b>	<b>14872</b>	<b>14838</b>	<b>14542</b>	<b>14163</b>	<b>14098</b>	<b>13750</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			
TIE-HVDC		-29	-29	-29	-28	-28	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-29	-29	-29	-29	-30	-28	-28	-29	-29	-30	-30	-30	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-28					
TIE-PLTG		57	27	-70	20	141	-12	28	7	223	-62	36	-7	25	-40	178	13	-28	126	127	38	6	62	45	-3	33	-14	25	89	-17	-54	29	23	-30	26	28	75	-39	52	34	-27	-24	16	101	25	28	-20	30	-11				
Interconnection		28	-2	-99	-8	113	-41	-1	-21	195	-92	6	-36	-4	-69	149	-16	-57	97	98	8	-24	33	16	-32	4	-43	-5	60	-46	-83	0	-6	-60	-2	0	46	-68	22	4	-57	-54	-14	71	-4	-1	-49	1	-39				
<b>System Total</b>		<b>13127</b>	<b>12764</b>	<b>12585</b>	<b>12406</b>	<b>12085</b>	<b>12034</b>	<b>11782</b>	<b>11819</b>	<b>11522</b>	<b>11470</b>	<b>11294</b>	<b>11437</b>	<b>11553</b>	<b>11793</b>	<b>11586</b>	<b>11622</b>	<b>12014</b>	<b>13051</b>	<b>13682</b>	<b>14142</b>	<b>14485</b>	<b>14828</b>	<b>15207</b>	<b>15412</b>	<b>15029</b>	<b>14882</b>	<b>14774</b>	<b>14970</b>	<b>15290</b>	<b>15099</b>	<b>15667</b>	<b>15656</b>	<b>15630</b>	<b>15633</b>	<b>15263</b>	<b>14748</b>	<b>14356</b>	<b>13907</b>	<b>13796</b>	<b>14721</b>	<b>15175</b>	<b>15057</b>	<b>14801</b>	<b>14842</b>	<b>14543</b>	<b>14212</b>	<b>14097</b>	<b>13789</b>				
SRev ST-Coal		27	36	21	42	40	30	46	27	47	41	42	33	24	62	42	30	36	39	34	48	51	37	48	33	43	59	107	60	50	50	40	57	46	32	54	44	68	39	42	34	40	42	72	42	35	33	43	40				
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	0	0	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 CCGT-Gas		382	649	860	672	851	1109	1261	1253	1303	1717	1605	1547	1415	1309	1272	1344	1107	850	675	648	534	382	325	309	318	305	312	309	327	221	207	232	221	115	107	128	284	448	589	104	119	132	203	78	184	139	91	292				
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	0	0
SRev Co-Gen		-5	-6	-5	-4	-4	-5	-7	-6	-5	-6	-6	-4	-4	-4	-4	-6	-4	-3	0	-1	3	4	6	7	6	8	8	8	10	9	6	8	6	9	6	4	6	7	4	7	4	2	5	6	5	4	4	9				
Syncon		619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
Hydro		161	139	88	112	135	93	139	148	158	90	129	93	237	130	176	96	114	175	358	399	346	532	512	400	423	320	333	409	327	205	316	333	380	366	310	337	217	151	141	198	392	442	505	304	311	159	139	92				
<b>S.Reserve Total</b>		<b>1184</b>	<b>1437</b>	<b>1583</b>	<b>1441</b>	<b>1641</b>	<b>1846</b>	<b>2058</b>	<b>2041</b>	<b>2122</b>	<b>2461</b>	<b>2389</b>	<b>2288</b>	<b>2140</b>	<b>1965</b>	<b>1954</b>	<b>2083</b>	<b>1872</b>	<b>1529</b>	<b>1455</b>	<b>1424</b>	<b>1113</b>	<b>1154</b>	<b>1083</b>	<b>966</b>	<b>1018</b>	<b>1085</b>	<b>1155</b>	<b>1094</b>	<b>944</b>	<b>885</b>	<b>995</b>	<b>1080</b>	<b>1106</b>	<b>945</b>	<b>987</b>	<b>1111</b>	<b>1286</b>	<b>1564</b>	<b>1693</b>	<b>829</b>	<b>935</b>	<b>1011</b>	<b>1182</b>	<b>971</b>	<b>1158</b>	<b>1058</b>	<b>1100</b>	<b>1256</b>				